

# Safety Data Sheet

According to HSNO Regulations

Initial preparation date: 05.23.2018

Page 1 of 1

Stop Rust Kit

## SECTION I: Identification

### Product identifier

**Product name:** Stop Rust Kit

**Product code:** 40909

**Additional information:** No additional information available.



### Recommended use of the product and restriction on use:

**Relevant identified uses:** Use kit per instructions.

**Uses advised against:** Not determined or not applicable.

**Reasons why uses advised against:** Not determined or not applicable.

### Manufacturer or supplier details

#### Manufacturer:

P.O.R. Products  
38 Portman Road  
New Rochelle, NY 10801  
914-636-0700

#### Supplier:

HGLB Holdings  
30 Victoria Street  
Petone 5012  
021 446682  
sales@por15nz.com

### Emergency telephone number:

**ChemTel Inc.**

+1 813 248 0585

**Poisons Information Center, New Zealand**

0800 764 766

# Safety Data Sheet

## According to HSNO Regulations

Initial preparation date: 03.23.2018

Page 1 of 10

### Cleaner Degreaser

#### SECTION 1: Identification

##### Product identifier

**Product name:** Cleaner Degreaser

**Product code:** 40101, 40104

**Additional information:** No additional information available.



##### Recommended use of the product and restriction on use:

**Relevant identified uses:** Cleaner Degreaser

**Uses advised against:** Not determined or not applicable.

**Reasons why uses advised against:** Not determined or not applicable.

##### Manufacturer or supplier details

###### Manufacturer:

P.O.R. Products  
38 Portman Road  
New Rochelle, NY 10801  
914-636-0700

###### Supplier:

PAINTSMART  
6 Killarney Lane  
Frankton, Hamilton 3204  
07-847-0933  
PAINTSMART.CO.NZ

##### Emergency telephone number:

**ChemTel Inc.**

+1 813 248 0585

**Poisons Information Center, New Zealand**

0800 764 766

#### SECTION 2: Hazards identification

Classified as a Dangerous Good according to NZS 5433:2012 Transport of Dangerous Goods on Land.

Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2017

##### HSNO Classification or Subclasses - Physical hazards:

Class	GHS Category	HSNO Category
Corrosive to metals	Category 1	8.1A

##### HSNO Classification or Subclasses - Health hazards:

Class	GHS Category	HSNO Category
Skin corrosion	Category 1A	8.2A
Carcinogenicity	Category 2	6.7B
Specific target organ toxicity - single exposure	Category 2	6.9B

##### HSNO Classification or Subclasses - Environmental hazards:

Class	GHS Category	HSNO Category
None known	None known	None known

##### GHS classification:

Corrosive to metals, category 1

Skin corrosion, category 1A

Carcinogenicity, category 2

Specific target organ toxicity - single exposure, category 2

# Safety Data Sheet

## According to HSN0 Regulations

Initial preparation date: 03.23.2018

Page 2 of 10

### Cleaner Degreaser

#### Label elements

##### Hazard pictograms:



**Signal word:** Danger

##### Hazard statements and Precautionary statements:

H290 May be corrosive to metals.  
H314 Causes severe skin burns and eye damage.  
H351 Suspected of causing cancer.  
H371 May cause damage to organs (respiratory system) if inhaled as a mist.  
P234 Keep only in original container.  
P260 Do not breathe dust/fume/gas/mist/vapors/spray.  
P264 Wash hands and skin thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P270 Do not eat, drink or smoke when using this product.  
P390 Absorb spillage to prevent material damage  
P310 Immediately call a POISON CENTER or doctor/physician.  
P321 Specific treatment (see first aid instructions on this label).  
P363 Wash contaminated clothing before reuse  
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P406 Store in a corrosive resistant container with a resistant inner liner.  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with applicable regional, national and local laws and regulations.

##### Hazards not otherwise classified:

None known.

### SECTION 3: Composition/information on ingredients

#### Mixture:

Identification	Name	Weight %
CAS number: 111-76-2	2-Butoxyethanol	1-3
CAS number: 1310-58-3	Potassium hydroxide	2-5
CAS number: 68439-45-2	Alcohols, C6-12, ethoxylated, liquids	1-3

#### Additional information:

None known

# Safety Data Sheet

## According to HSNO Regulations

Initial preparation date: 03.23.2018

Page 3 of 10

Cleaner Degreaser

### SECTION 4: First-aid measures

For advice, contact a Poisons Information Center (e.g. phone Australia 131 126, New Zealand 0800 764 766) or a doctor.

#### Description of first aid measures

##### General notes:

Not determined or not available.

##### After inhalation:

Loosen clothing as necessary and position individual in a comfortable position  
Maintain an unobstructed airway  
Get medical advice/attention if you feel unwell  
Take precautions to ensure your own safety  
Remove source of exposure or move person to fresh air and keep comfortable for breathing  
Immediately call a POISON CONTROL CENTER or seek medical attention  
If breathing has stopped, trained personnel should begin rescue breathing  
Avoid mouth-to-mouth contact by using a barrier device  
If the heart has stopped, immediately start cardiopulmonary resuscitation (CPR)

##### After skin contact:

Rinse affected area with soap and water.  
If symptoms develop or persist, seek medical attention.  
Avoid direct contact and wear chemical protective clothing, if necessary  
Immediately take off all contaminated clothing  
Gently blot or brush away excess product  
Rinse skin with lukewarm, gently flowing water until medical aid is available  
Immediately call a POISON CONTROL CENTER or seek medical attention  
Wash contaminated clothing before re-use or discard

##### After eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes  
If symptoms develop or persist, seek medical attention  
Avoid direct contact and wear chemical protective gloves, if necessary  
Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open  
Remove contact lenses, if present and easy to do so  
Continue rinsing until medical aid is available  
Immediately call a POISON CONTROL CENTER or seek medical attention

##### After swallowing:

Rinse mouth thoroughly  
Seek medical attention if irritation, discomfort, or vomiting persists  
Immediately call a POISON CONTROL CENTER or seek medical attention  
Do not induce vomiting and rinse mouth  
If vomiting occurs naturally, lie on your side, in the recovery position  
If breathing has stopped, trained personnel should begin rescue breathing  
Avoid mouth-to-mouth contact by using a barrier device  
If the heart has stopped, immediately start cardiopulmonary resuscitation (CPR)

#### Most important symptoms and effects, both acute and delayed:

##### Acute symptoms and effects:

Not determined or not available.

##### Delayed symptoms and effects:

Not determined or not available.

#### Immediate medical attention and special treatment:

##### Specific treatment:

Not determined or not available.

# Safety Data Sheet

## According to HSNO Regulations

Initial preparation date: 03.23.2018

Page 4 of 10

### Cleaner Degreaser

**Notes for the doctor:**

Not determined or not available.

**Workplace Facilities:**

Not determined or not available.

### SECTION 5: Fire-fighting measures

**Extinguishing media****Suitable extinguishing media:**

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition.

**Unsuitable extinguishing media:**

Not determined or not applicable.

**Specific hazards during fire-fighting:**

Thermal decomposition can lead to release of irritating gases and vapors.

May form corrosive mixtures with water.

**Special protective equipment for firefighters:**

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit.

**Special precautions:**

Not determined or not applicable.

**Hazchem or Emergency Action Code:**

Not determined or not available.

### SECTION 6: Accidental release measures

**Personal precautions, protective equipment and emergency procedures:**

Ensure adequate ventilation.

Ensure air handling systems are operational.

Wear protective eye wear, gloves and clothing.

**Environmental precautions:**

Should not be released into the environment.

Prevent from reaching drains, sewer or waterway.

**Methods and material for containment and cleaning up:**

Wear protective eye wear, gloves and clothing.

Absorb with non-combustible liquid-binding material (sand, diatomaceous earth (clay), acid binders, universal binders).

Dispose of contents / container in accordance with local regulations.

**Reference to other sections:**

Not determined or not applicable.

### SECTION 7: Handling and storage precautions

**Precautions for safe handling:**

Use only with adequate ventilation.

Avoid breathing mist or vapor.

Do not eat, drink, smoke or use personal products when handling chemical substances.

**Conditions for safe storage, including any incompatibilities:**

Keep container tightly sealed.

Protect from freezing and physical damage.

Store in a cool, well-ventilated area.

# Safety Data Sheet

## According to HSNO Regulations

Initial preparation date: 03.23.2018

Page 5 of 10

### Cleaner Degreaser

Store in corrosive resistant container with a resistant inner lining.

#### Safe packaging material

##### Suitable material:

Not determined or not applicable.

##### Unsuitable material:

Not determined or not applicable.

### SECTION 8: Exposure controls and personal protection

#### Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
New Zealand	2-Butoxyethanol	111-76-2	TWA: 25 ppm.
	Potassium hydroxide	1310-58-3	Ceiling Limit: 2 mg/m <sup>3</sup>

#### Biological limit value:

No biological exposure limits noted for the ingredient(s)

#### Information on monitoring procedures:

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls

Biological monitoring may also be appropriate for some substances

#### Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

Use explosion-proof ventilation equipment.

#### Personal protection equipment

##### Eye and face protection:

Safety goggles or glasses, or appropriate eye protection.

##### Skin and body protection:

Select glove material impermeable and resistant to the substance.

Wear appropriate clothing to prevent any possibility of skin contact.

##### Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

#### General hygienic measures:

Avoid contact with skin, eyes and clothing.

Wash hands before breaks and at the end of work.

Wash contaminated clothing before reuse.

### SECTION 9: Physical and chemical properties

Appearance	Clear Colorless Liquid
Odor	Very Mild
Odor threshold	Not determined or not available.
pH	9.5 - 13.1

# Safety Data Sheet

## According to HSNO Regulations

Initial preparation date: 03.23.2018

Page 6 of 10

### Cleaner Degreaser

<b>Melting point/freezing point</b>	Melting: Approximately 0°C (32°F); Freezing: Approximately 100°C (212°F)
<b>Initial boiling point/range</b>	Not determined or not available.
<b>Flash point (closed cup)</b>	No Flash Point
<b>Evaporation rate</b>	Not determined or not available.
<b>Flammability (solid, gas)</b>	Not determined or not available.
<b>Upper flammability/explosive limit</b>	Not determined or not available.
<b>Lower flammability/explosive limit</b>	Not determined or not available.
<b>Vapor pressure</b>	23 hPa @ 20°C
<b>Vapor density</b>	Not determined or not available.
<b>Density</b>	1.03 g/mL
<b>Relative density</b>	Not determined or not available.
<b>Solubilities</b>	Miscible in water.
<b>Partition coefficient (n-octanol/water)</b>	Not determined or not available.
<b>Auto/Self-ignition temperature</b>	Not determined or not available.
<b>Decomposition temperature</b>	Not determined or not available.
<b>Dynamic viscosity</b>	1 mm <sup>2</sup> /s @ 20°C
<b>Kinematic viscosity</b>	Not determined or not available.
<b>Explosive properties</b>	Not determined or not available.
<b>Oxidizing properties</b>	Not determined or not available.

#### Other information

<b>Recommended Storage Temperature</b>	40°F - 90°F
<b>Recommended Shelf Life</b>	Unopened, 3 Years
<b>VOC Content</b>	20.9 g/L; 2.04% w/w

### SECTION 10: Stability and reactivity

#### Reactivity:

Does not react under normal conditions of use and storage.

#### Chemical stability:

Stable under normal conditions of use and storage.

#### Possibility of hazardous reactions:

None under normal conditions of use and storage.

#### Conditions to avoid:

None known.

#### Incompatible materials:

Strong acids (e.g. hydrochloric acid), strong bases (e.g. sodium hydroxide), strong oxidizing agents (e.g. perchloric acid).

Corrosive to: aluminum alloys, copper alloys (e.g. brass and/or bronze), zinc.

#### Hazardous decomposition products:

Corrosive chemicals; irritating chemicals; toxic chemicals.

### SECTION 11: Toxicological information

#### Acute toxicity:

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

# Safety Data Sheet

## According to HSN0 Regulations

Initial preparation date: 03.23.2018

Page 7 of 10

### Cleaner Degreaser

#### Substance data:

Name	Route	Result
Potassium hydroxide	oral	LD50 - Rat - 333 mg/kg
Alcohols, C6-12, ethoxylated, liquids	oral	LD50 > 300 to <= 2,000 mg/kg
2-Butoxyethanol	oral	LD50 - Rat - 470 mg/kg
	dermal	LD50 - Rabbit - 220 mg/kg
	inhalation	LC50 - Rat - 450 ppm - 4H

#### Skin corrosion/irritation:

**Assessment:** Causes severe skin burns and eye damage

**Product data:** No data available.

#### Substance data:

Name	Result
Potassium hydroxide	Corrosive to the skin.
2-Butoxyethanol	Irritating to the skin.

#### Serious eye damage/irritation:

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

#### Substance data:

Name	Result
Alcohols, C6-12, ethoxylated, liquids	Corrosive effect on the eyes.
2-Butoxyethanol	Irritating effect on the eyes.

#### Respiratory or skin sensitization:

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

#### Carcinogenicity

**Assessment:** Suspected of causing cancer

**Product data:** No data available.

**Substance data:** No data available.

**International Agency for Research on Cancer (IARC):** None of the ingredients are listed.

**National Toxicology Program (NTP):** None of the ingredients are listed.

#### Germ cell mutagenicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

#### Reproductive toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

#### Specific target organ toxicity (single exposure)

**Assessment:** May cause damage to organs

**Product data:** No data available.

**Substance data:** No data available.

#### Specific target organ toxicity (repeated exposure)

**Assessment:** May cause damage to organs through prolonged or repeated exposure

**Product data:** No data available.

**Substance data:** No data available.



# Safety Data Sheet

## According to HSNO Regulations

Initial preparation date: 03.23.2018

Page 8 of 10

### Cleaner Degreaser

#### Aspiration toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

#### Information on likely routes of exposure:

No data available.

#### Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

#### Other information:

No data available.

### SECTION 12: Ecological information

#### Acute (short-term) toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

#### Chronic (long-term) toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

#### Persistence and degradability

**Product data:** No data available.

**Substance data:** No data available.

#### Bioaccumulative potential

**Product data:** No data available.

**Substance data:** No data available.

#### Mobility in soil

**Product data:** No data available.

**Substance data:** No data available.

#### Hazard to the ozone layer

**Product data:** No data available.

**Substance data:** No data available.

**Other adverse effects:** No data available.


### SECTION 13: Disposal considerations

#### Disposal methods:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities.

### SECTION 14: Transportation information

#### Road/Rail transport: (NZS 5433:1999)

<b>UN number</b>	1814
<b>UN proper shipping name</b>	POTASSIUM HYDROXIDE SOLUTION
<b>UN transport hazard class(es)</b>	8 
<b>Packing group</b>	III

# Safety Data Sheet

## According to HSNO Regulations


Initial preparation date: 03.23.2018

Page 9 of 10


### Cleaner Degreaser

<b>Environmental hazards</b>	None
<b>Special precautions for user</b>	None

#### International Maritime Dangerous Goods (IMDG)

<b>UN number</b>	1814
<b>UN proper shipping name</b>	POTASSIUM HYDROXIDE SOLUTION
<b>UN transport hazard class(es)</b>	8 
<b>Packing group</b>	III
<b>Environmental hazards</b>	None
<b>Special precautions for user</b>	None
<b>ERG code</b>	8L
<b>Excepted quantities</b>	E1
<b>Passenger and cargo</b>	5L
<b>Cargo aircraft only</b>	60L
<b>Limited quantity</b>	1L
<b>Additional Information</b>	No additional data

#### International Air Transport Association Dangerous Goods Regulations (IATA-ICAO)

<b>UN number</b>	1814
<b>UN proper shipping name</b>	POTASSIUM HYDROXIDE SOLUTION
<b>UN transport hazard class(es)</b>	8 
<b>Packing group</b>	III
<b>Environmental hazards</b>	None
<b>Special precautions for user</b>	None

#### Transport in bulk according to Annex II of MARPOL and the IBC Code

<b>Bulk Name</b>	None
<b>Ship type</b>	None
<b>Pollution category</b>	None

### SECTION 15: Regulatory information

#### New Zealand Inventory of Chemicals (NZIoC):

111-76-2	2-Butoxyethanol	Listed
1310-58-3	Potassium hydroxide	Listed
68439-45-2	Alcohols, C6-12, ethoxylated, liquids	Listed

# Safety Data Sheet

## According to HSNO Regulations

Initial preparation date: 03.23.2018

Page 10 of 10

### Cleaner Degreaser

#### HSNO Classification or Subclasses:

Class	GHS Category	HSNO Category
Corrosive to metals	Category 1	8.1A
Skin corrosion	Category 1A	8.2A
Carcinogenicity	Category 2	6.7B
Specific target organ toxicity - single exposure	Category 2	6.9B

HSNO Group Standard Name :	HSNO Approval Number:
Industrial and Institutional Cleaning Products (Corrosive, Toxic [6.7])	HSR002588

#### SECTION 16: Other information

**Abbreviations and Acronyms:** None

**Disclaimer:**

The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

**Initial preparation date:** 03.23.2018

**Revision Date:** New

**End of Safety Data Sheet**

# Safety Data Sheet

## According to HSNO Regulations

Initial preparation date: 03.23.2018

Page 1 of 10

### Metal Prep

#### SECTION 1: Identification

##### Product identifier

**Product name:** Metal Prep

**Product code:** 40201, 40204

**Additional information:** No additional information available.

##### Recommended use of the product and restriction on use:

**Relevant identified uses:** Metal cleaner

**Uses advised against:** Not determined or not applicable.

**Reasons why uses advised against:** Not determined or not applicable.



##### Manufacturer or supplier details

###### Manufacturer:

P.O.R. Products  
38 Portman Road  
New Rochelle, NY 10801  
914-636-0700

###### Supplier:

PAINTSMART  
6 Killarney Lane  
Frankton, Hamilton 3204  
07-847-0933  
PAINTSMART.CO.NZ

##### Emergency telephone number:

**ChemTel Inc.**

+1 813 248 0585

**Poisons Information Center, New Zealand**

0800 764 766

#### SECTION 2: Hazards identification

Classified as a Dangerous Good according to NZS 5433:2012 Transport of Dangerous Goods on Land.

Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2017

##### HSNO Classification or Subclasses - Physical hazards:

Class	GHS Category	HSNO Category
None known	None known	None known

##### HSNO Classification or Subclasses - Health hazards:

Class	GHS Category	HSNO Category
Skin corrosion	Category 1A	8.2A
Carcinogenicity	Category 1A	6.7A
Specific target organ toxicity - single exposure	Category 3, respiratory irritation	6.1E
Specific target organ toxicity - repeated exposure	Category 2	6.9B

##### HSNO Classification or Subclasses - Environmental hazards:

Class	GHS Category	HSNO Category
None known	None known	None known

##### GHS classification:

Skin corrosion, category 1A

Carcinogenicity, category 1A

Specific target organ toxicity - single exposure, category 3, respiratory irritation

Specific target organ toxicity - repeated exposure, category 2

# Safety Data Sheet

## According to HSNO Regulations

Initial preparation date: 03.23.2018

Page 2 of 10

### Metal Prep

#### Label elements

##### Hazard pictograms:



**Signal word:** Danger

##### Hazard statements and Precautionary statements:

H314 Causes severe skin burns and eye damage.

H350 May cause cancer if inhaled as a mist.

H335 May cause respiratory irritation.

H373 May cause damage to organs (lungs, respiratory system) through prolonged or repeated exposure if inhaled as a mist.

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P264 Wash hands and skin thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P281 Use personal protective equipment as required.

P271 Use only outdoors or in a well-ventilated area.

P310 Immediately call a POISON CENTER or doctor/physician.

P321 Specific treatment (see first aid information on this label).

P363 Wash contaminated clothing before reuse

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P405 Store locked up.

P403+P233 Store in a well ventilated place. Keep container tightly closed.

P501 Dispose of contents/container in accordance with local/regional/national/international regulation.

##### Hazards not otherwise classified:

None known.

### SECTION 3: Composition/information on ingredients

#### Mixture:

Identification	Name	Weight %
CAS number: 7779-90-0	Zinc phosphate	2-5
CAS number: 7664-38-2	Phosphoric acid solutions	10-12

#### Additional information:

None known

### SECTION 4: First-aid measures

For advice, contact a Poisons Information Center (e.g. phone Australia 131 126, New Zealand 0800 764 766) or a doctor.

#### Description of first aid measures

# Safety Data Sheet

## According to HSNO Regulations

Initial preparation date: 03.23.2018

Page 3 of 10

### Metal Prep

#### General notes:

Not determined or not available.

#### After inhalation:

Loosen clothing as necessary and position individual in a comfortable position  
Maintain an unobstructed airway  
Get medical advice/attention if you feel unwell  
Take precautions to ensure your own safety  
Remove source of exposure or move person to fresh air and keep comfortable for breathing  
Immediately call a POISON CONTROL CENTER or seek medical attention  
If breathing has stopped, trained personnel should begin rescue breathing  
Avoid mouth-to-mouth contact by using a barrier device  
If the heart has stopped, immediately start cardiopulmonary resuscitation (CPR)

#### After skin contact:

Rinse affected area with soap and water.  
If symptoms develop or persist, seek medical attention.  
Avoid direct contact and wear chemical protective clothing, if necessary  
Immediately take off all contaminated clothing  
Gently blot or brush away excess product  
Rinse skin with lukewarm, gently flowing water until medical aid is available  
Immediately call a POISON CONTROL CENTER or seek medical attention  
Wash contaminated clothing before re-use or discard

#### After eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes  
If symptoms develop or persist, seek medical attention  
Avoid direct contact and wear chemical protective gloves, if necessary  
Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open  
Remove contact lenses, if present and easy to do so  
Continue rinsing until medical aid is available  
Immediately call a POISON CONTROL CENTER or seek medical attention

#### After swallowing:

Rinse mouth thoroughly  
Seek medical attention if irritation, discomfort, or vomiting persists  
Immediately call a POISON CONTROL CENTER or seek medical attention  
Do not induce vomiting and rinse mouth  
If vomiting occurs naturally, lie on your side, in the recovery position  
If breathing has stopped, trained personnel should begin rescue breathing  
Avoid mouth-to-mouth contact by using a barrier device  
If the heart has stopped, immediately start cardiopulmonary resuscitation (CPR)

#### Most important symptoms and effects, both acute and delayed:

##### Acute symptoms and effects:

Not determined or not available.

##### Delayed symptoms and effects:

Not determined or not available.

#### Immediate medical attention and special treatment:

##### Specific treatment:

Not determined or not available.

##### Notes for the doctor:

Not determined or not available.

#### Workplace Facilities:

Not determined or not available.

# Safety Data Sheet

## According to HSNO Regulations

Initial preparation date: 03.23.2018

Page 4 of 10

### Metal Prep

#### SECTION 5: Fire-fighting measures

##### Extinguishing media

###### Suitable extinguishing media:

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition.

###### Unsuitable extinguishing media:

Not determined or not applicable.

##### Specific hazards during fire-fighting:

Thermal decomposition can lead to release of irritating gases and vapors.

##### Special protective equipment for firefighters:

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit.

##### Special precautions:

Not determined or not applicable.

##### Hazchem or Emergency Action Code:

Not determined or not available.

#### SECTION 6: Accidental release measures

##### Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation.

Ensure air handling systems are operational.

Wear protective eye wear, gloves and clothing.

##### Environmental precautions:

Should not be released into the environment.

Prevent from reaching drains, sewer or waterway.

##### Methods and material for containment and cleaning up:

Wear protective eye wear, gloves and clothing.

Absorb with non-combustible liquid-binding material (sand, diatomaceous earth (clay), acid binders, universal binders).

Dispose of contents / container in accordance with local regulations.

##### Reference to other sections:

Not determined or not applicable.

#### SECTION 7: Handling and storage precautions

##### Precautions for safe handling:

Use only with adequate ventilation.

Avoid breathing mist or vapor.

Do not eat, drink, smoke or use personal products when handling chemical substances.

##### Conditions for safe storage, including any incompatibilities:

Keep container tightly sealed.

Protect from freezing and physical damage.

Store in a cool, well-ventilated area.

##### Safe packaging material

###### Suitable material:

Not determined or not applicable.

###### Unsuitable material:

Not determined or not applicable.

# Safety Data Sheet

## According to HSNO Regulations

Initial preparation date: 03.23.2018

Page 5 of 10

Metal Prep

### SECTION 8: Exposure controls and personal protection

#### Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
New Zealand	Phosphoric acid solutions	7664-38-2	TWA: 1 mg/m <sup>3</sup>

#### Biological limit value:

No biological exposure limits noted for the ingredient(s)

#### Information on monitoring procedures:

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls

Biological monitoring may also be appropriate for some substances

#### Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above. Use explosion-proof ventilation equipment.

#### Personal protection equipment

##### Eye and face protection:

Safety goggles or glasses, or appropriate eye protection.

##### Skin and body protection:

Select glove material impermeable and resistant to the substance.

Wear appropriate clothing to prevent any possibility of skin contact.

##### Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

#### General hygienic measures:

Avoid contact with skin, eyes and clothing.

Wash hands before breaks and at the end of work.

Wash contaminated clothing before reuse.

### SECTION 9: Physical and chemical properties

Appearance	Clear Blue Liquid
Odor	Odorless
Odor threshold	Not determined or not available.
pH	2.5
Melting point/freezing point	Melting: Approximately 0°C (32°F); Freezing: Approximately 100°C (212°F)
Initial boiling point/range	Not determined or not available.
Flash point (closed cup)	No Flash Point
Evaporation rate	Not determined or not available.
Flammability (solid, gas)	Not determined or not available.
Upper flammability/explosive limit	Not determined or not available.
Lower flammability/explosive limit	Not determined or not available.
Vapor pressure	23.7 mm Hg @ 25°C



# Safety Data Sheet

## According to HSNO Regulations

Initial preparation date: 03.23.2018

Page 6 of 10

### Metal Prep

<b>Vapor density</b>	Not determined or not available.
<b>Density</b>	1.07 g/mL
<b>Relative density</b>	Not determined or not available.
<b>Solubilities</b>	Miscible in water.
<b>Partition coefficient (n-octanol/water)</b>	Not determined or not available.
<b>Auto/Self-ignition temperature</b>	Not determined or not available.
<b>Decomposition temperature</b>	Not determined or not available.
<b>Dynamic viscosity</b>	Not determined or not available.
<b>Kinematic viscosity</b>	Not determined or not available.
<b>Explosive properties</b>	Not determined or not available.
<b>Oxidizing properties</b>	Not determined or not available.

### Other information

<b>VOC Content</b>	0.0767 gr/L / 0.0071% w/w
<b>Recommended Storage Temperature</b>	40°F - 90°F
<b>Recommended Shelf Life</b>	Unopened, 3 Years

### SECTION 10: Stability and reactivity

#### Reactivity:

Does not react under normal conditions of use and storage.

#### Chemical stability:

Stable under normal conditions of use and storage.

#### Possibility of hazardous reactions:

None under normal conditions of use and storage.

#### Conditions to avoid:

Prolonged exposure to high temperatures.

Alkaline conditions (high pH).

#### Incompatible materials:

Reacts violently with: strong bases (e.g. sodium hydroxide).

Slightly reactive or incompatible with the following materials: aromatic hydrocarbons (e.g. toluene).

Forms flammable chemicals on contact with: metals (e.g. aluminum), strong bases (e.g. sodium hydroxide), strong oxidizing agents (e.g. perchloric acid), strong reducing agents (e.g. hydrides).

#### Hazardous decomposition products:

Irritating chemicals; toxic chemicals; corrosive phosphorous oxides.

### SECTION 11: Toxicological information

#### Acute toxicity:

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

#### Skin corrosion/irritation:

**Assessment:** Causes severe skin burns and eye damage

**Product data:** No data available.

#### Substance data:

Name	Result
Phosphoric acid solutions	Corrosive to skin.

#### Serious eye damage/irritation:

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

# Safety Data Sheet

## According to HSNO Regulations

Initial preparation date: 03.23.2018

Page 7 of 10

### Metal Prep

**Substance data:** No data available.

#### Respiratory or skin sensitization:

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

#### Carcinogenicity

**Assessment:** May cause cancer

**Product data:** No data available.

**Substance data:** No data available.

**International Agency for Research on Cancer (IARC):** None of the ingredients are listed.

**National Toxicology Program (NTP):** None of the ingredients are listed.

#### Germ cell mutagenicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

#### Reproductive toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

#### Specific target organ toxicity (single exposure)

**Assessment:** May cause respiratory irritation

**Product data:** No data available.

**Substance data:** No data available.

#### Specific target organ toxicity (repeated exposure)

**Assessment:** May cause damage to organs through prolonged or repeated exposure

**Product data:** No data available.

**Substance data:** No data available.

#### Aspiration toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

#### Information on likely routes of exposure:

No data available.

#### Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

#### Other information:

No data available.

### SECTION 12: Ecological information

#### Acute (short-term) toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:**

Name	Result
Zinc phosphate	LC50 - Thymallus arcticus - 0.112 mg/L - 96 h
	NOEC - Daphnia magna - 0.048 mg/L - 3 w

#### Chronic (long-term) toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

# Safety Data Sheet

## According to HSNO Regulations

Initial preparation date: 03.23.2018

Page 8 of 10

### Metal Prep

**Substance data:** No data available.

**Persistence and degradability**

**Product data:** No data available.

**Substance data:** No data available.

**Bioaccumulative potential**

**Product data:** No data available.

**Substance data:** No data available.

**Mobility in soil**

**Product data:** No data available.

**Substance data:** No data available.

**Hazard to the ozone layer**

**Product data:** No data available.

**Substance data:** No data available.

**Other adverse effects:** No data available.


### SECTION 13: Disposal considerations

**Disposal methods:**


It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities.

### SECTION 14: Transportation information

**Road/Rail transport: (NZS 5433:1999)**

<b>UN number</b>	3264
<b>UN proper shipping name</b>	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Phosphoric acid solutions)
<b>UN transport hazard class(es)</b>	8 
<b>Packing group</b>	None
<b>Environmental hazards</b>	None
<b>Special precautions for user</b>	None

**International Maritime Dangerous Goods (IMDG)**

<b>UN number</b>	3264
<b>UN proper shipping name</b>	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Phosphoric acid solutions)
<b>UN transport hazard class(es)</b>	8 
<b>Packing group</b>	III
<b>Environmental hazards</b>	None
<b>Special precautions for user</b>	None
<b>ERG code</b>	8L
<b>Excepted quantities</b>	E1
<b>Passenger and cargo</b>	5L
<b>Cargo aircraft only</b>	60L

# Safety Data Sheet

## According to HSNO Regulations


Initial preparation date: 03.23.2018

Page 9 of 10

### Metal Prep

<b>Limited quantity</b>	1L
<b>Additional Information</b>	No additional data

### International Air Transport Association Dangerous Goods Regulations (IATA-ICAO)

<b>UN number</b>	3264
<b>UN proper shipping name</b>	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Phosphoric acid solutions)
<b>UN transport hazard class(es)</b>	8 
<b>Packing group</b>	III
<b>Environmental hazards</b>	None
<b>Special precautions for user</b>	None

### Transport in bulk according to Annex II of MARPOL and the IBC Code

<b>Bulk Name</b>	None
<b>Ship type</b>	None
<b>Pollution category</b>	None

### SECTION 15: Regulatory information

#### New Zealand Inventory of Chemicals (NZIoC):

7779-90-0	Zinc phosphate	Listed
7664-38-2	Phosphoric acid solutions	Listed

#### HSNO Classification or Subclasses:

Class	GHS Category	HSNO Category
Skin corrosion	Category 1A	8.2A
Carcinogenicity	Category 1A	6.7A
Specific target organ toxicity - single exposure	Category 3, respiratory irritation	6.1E
Specific target organ toxicity - repeated exposure	Category 2	6.9B

<b>HSNO Group Standard Name :</b>	<b>HSNO Approval Number:</b>
Surface Coatings and Colourants (Corrosive, Toxic [6.7])	HSR002660

### SECTION 16: Other information

**Abbreviations and Acronyms:** None

**Disclaimer:**

The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

**Safety Data Sheet**  
According to HSNO Regulations

Initial preparation date: 03.23.2018

Page 10 of 10

**Metal Prep**

Initial preparation date: 03.23.2018

Revision Date: New

**End of Safety Data Sheet**

# Safety Data Sheet

## According to HSNO Regulations

Initial preparation date: 04.06.2018

Page 1 of 13

**POR-15 Black**

### SECTION 1: Identification

#### Product identifier

**Product name:** POR-15 Black

**Product code:** 45001, 45004, 45006, 45008

**Additional information:** No additional information available.

#### Recommended use of the product and restriction on use:

**Relevant identified uses:** Paints and coatings.

**Uses advised against:** Not determined or not applicable.

**Reasons why uses advised against:** Not determined or not applicable.



#### Manufacturer or supplier details

##### Manufacturer:

P.O.R. Products  
38 Portman Road  
New Rochelle, NY 10801  
914-636-0700

##### Supplier:

PAINTSMART  
6 Killarney Lane  
Frankton, Hamilton 3204  
07-847-0933  
PAINTSMART.CO.NZ

#### Emergency telephone number:

**ChemTel Inc.**

+1 813 248 0585

**Poisons Information Center, New Zealand**

0800 764 766

### SECTION 2: Hazards identification

Classified as a Dangerous Good according to NZS 5433:2012 Transport of Dangerous Goods on Land.

Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2017

#### HSNO Classification or Subclasses - Physical hazards:

Class	GHS Category	HSNO Category
Flammable liquids	Category 3	3.1C

#### HSNO Classification or Subclasses - Health hazards:

Class	GHS Category	HSNO Category
Skin irritation	Category 2	6.3A
Eye irritation	Category 2A	6.4A
Skin sensitization	Category 1	6.5A
Respiratory sensitization	Category 1	6.5A
Aspiration hazard	Category 1	6.1E
Acute toxicity (inhalation)	Category 4	6.1D
Specific target organ toxicity - single exposure	Category 3, respiratory irritation	6.1E
Specific target organ toxicity - single exposure	Category 3, central nervous system	6.9B
Specific target organ toxicity - repeated exposure	Category 1	6.9A
Carcinogenicity	Category 2	6.7B

# Safety Data Sheet

## According to HSN0 Regulations

Initial preparation date: 04.06.2018

Page 2 of 13

**POR-15 Black**

### HSNO Classification or Subclasses - Environmental hazards:

Class	GHS Category	HSNO Category
None known	None known	None known

### GHS classification:

Flammable liquids, category 3  
Eye irritation, category 2A  
Skin irritation, category 2  
Skin sensitization, category 1  
Respiratory sensitization, category 1  
Aspiration hazard, category 1  
Acute toxicity (inhalation), category 4  
Specific target organ toxicity - single exposure, category 3, respiratory irritation  
Specific target organ toxicity - single exposure, category 3, central nervous system  
Specific target organ toxicity - repeated exposure, category 1  
Carcinogenicity, category 2

### Label elements

#### Hazard pictograms:



**Signal word:** Danger

### Hazard statements and Precautionary statements:

H226 Flammable liquid and vapor  
H319 Causes serious eye irritation  
H315 Causes skin irritation  
H317 May cause an allergic skin reaction  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled  
H304 May be fatal if swallowed and enters airways  
H332 Harmful if inhaled  
H335 May cause respiratory irritation  
H336 May cause drowsiness or dizziness  
H372 Causes damage to organs through prolonged or repeated exposure  
H351 Suspected of causing cancer  
H315+H320 Causes skin and eye irritation.  
H302+H332 Harmful if swallowed or if inhaled.  
H312+H332 Harmful in contact with skin or if inhaled.  
H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled.  
H412 Harmful to aquatic life with long lasting effects  
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking  
P233 Keep container tightly closed  
P240 Ground/bond container and receiving equipment  
P241 Use explosion-proof electrical/ventilating/light/equipment  
P242 Use only non-sparking tools  
P243 Take precautionary measures against static discharge  
P280 Wear protective gloves/protective clothing/eye protection/face protection  
P264 Wash skin thoroughly after handling  
P272 Contaminated work clothing should not be allowed out of the workplace  
P285 In case of inadequate ventilation wear respiratory protection  
P271 Use only outdoors or in a well-ventilated area  
P260 Do not breathe dust/fume/gas/mist/vapors/spray  
P270 Do not eat, drink or smoke when using this product  
P201 Obtain special instructions before use

# Safety Data Sheet

## According to HSNO Regulations

Initial preparation date: 04.06.2018

Page 3 of 13

### POR-15 Black

P202 Do not handle until all safety precautions have been read and understood  
P273 Avoid release to the environment  
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.  
P284 Wear respiratory protection.  
P281 Use personal protective equipment as required.  
P303+P361+P353 If on skin (or hair): Immediately remove/take off all contaminated clothing. Rinse skin with water/shower  
P370+P378 In case of fire: Use agents recommended in section 5 for extinction  
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing  
P321 Specific treatment (see supplemental first aid instructions on this label).  
P362 Take off contaminated clothing and wash before reuse  
P302+P352 If on skin: Wash with soap and water  
P333+P313 If skin irritation or a rash occurs: Get medical advice/attention  
P331 Do not induce vomiting  
P301+P310 If swallowed: Immediately call a poison center or doctor/physician  
P304+P340+P312 If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell  
P308+P313 If exposed or concerned: Get medical advice/attention  
P337+P313 If eye irritation persists get medical advice/attention  
P332+P313 If skin irritation occurs: Get medical advice/attention  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P363 Wash contaminated clothing before reuse  
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P304+P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.  
P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
P314 Get medical advice/attention if you feel unwell  
P405 Store locked up  
P403+P233 Store in a well ventilated place. Keep container tightly closed  
P403+P235 Store in a well ventilated place. Keep cool.  
P501 Dispose of contents and container as instructed in Section 13

#### Hazards not otherwise classified:

None known.

### SECTION 3: Composition/information on ingredients

#### Mixture:

Identification	Name	Weight %
CAS number: 95-63-6	1, 2, 4-Trimethylbenzene	<6
CAS number: 64742-48-9	Naphtha (petroleum), hydrotreated heavy	15-20
CAS number: 1333-86-4	Carbon Black	<3
CAS number: 1330-20-7	Xylene	<0.5
CAS number: 52747-01-0	Propanol, ((1-methyl-1,2- ethanediyl)bis(oxy))bis-, polymer with 1,1'-methylenebis(4- isocyanatobenzene)	8-18
CAS number: 64742-95-6	Solvent naphtha (petroleum), light arom.	15-20
CAS number: 9016-87-9	Isocyanic acid, polymethylenepolyphenylene ester	1-5



# Safety Data Sheet

## According to HSNO Regulations

Initial preparation date: 04.06.2018

Page 4 of 13

### POR-15 Black

CAS number: 26447-40-5	Methylenediphenyl diisocyanate	2-7
CAS number: 101-68-8	4,4'-Methylenediphenyl diisocyanate	5-12
CAS number: 98-82-8	Cumene	<0.5
CAS number: 67815-87-6	Isocyanic acid, polymethylenepolyphenylene ester, polymer with 1,2-ethanediamine, 2- methyloxirane and 1,2-propanediol	27-47

#### Additional information:

None known

### SECTION 4: First-aid measures

**For advice, contact a Poisons Information Center (e.g. phone Australia 131 126, New Zealand 0800 764 766) or a doctor.**

#### Description of first aid measures

##### General notes:

Get medical attention if you feel unwell.

##### After inhalation:

Loosen clothing as necessary and position individual in a comfortable position

Maintain an unobstructed airway

Get medical advice/attention if you feel unwell

Take precautions to ensure your own safety

Remove source of exposure or move person to fresh air

Get medical advice if you feel unwell or concerned

##### After skin contact:

Rinse affected area with soap and water.

If symptoms develop or persist, seek medical attention.

Take off all contaminated clothing.

Gently blot or brush away excess product.

Wash with plenty of lukewarm, gently flowing water.

Get medical advice if skin irritation occurs or you feel unwell.

##### After eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes.

If symptoms develop or persist, seek medical attention.

Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open.

Remove contact lenses, if present and easy to do so.

Continue rinsing for 15-20 minutes.

Get medical advice if eye irritation persists.

##### After swallowing:

Rinse mouth thoroughly

Seek medical attention if irritation, discomfort, or vomiting persists

#### Most important symptoms and effects, both acute and delayed:

##### Acute symptoms and effects:

May cause breathing difficulty, asthma attack, nausea, allergic reaction

##### Delayed symptoms and effects:

Not determined or not available.

# Safety Data Sheet

## According to HSNO Regulations

Initial preparation date: 04.06.2018

Page 5 of 13

### POR-15 Black

#### Immediate medical attention and special treatment:

##### Specific treatment:

Not determined or not available.

##### Notes for the doctor:

Contains isocyanates, consult literature for specific treatment.

#### Workplace Facilities:

Not determined or not available.

### SECTION 5: Fire-fighting measures

#### Extinguishing media

##### Suitable extinguishing media:

Use Water (fog only), dry chemical, chemical foam, carbon dioxide, or alcohol-resistant foam.

##### Unsuitable extinguishing media:

Do not use a water stream as an extinguisher.

#### Specific hazards during fire-fighting:

Thermal decomposition can lead to release of irritating gases and vapors.

Vapors can flow to distant ignition sources and flashback

Liquid is volatile and may generate an explosive atmosphere.

#### Special protective equipment for firefighters:

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit.

#### Special precautions:

Shut off sources of ignition.

Carbon monoxide and carbon dioxide may form upon combustion.

Heating causes a rise in pressure, risk of bursting and combustion.

#### Hazchem or Emergency Action Code:

Not determined or not available.

### SECTION 6: Accidental release measures

#### Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation.

Ensure air handling systems are operational.

Wear protective eye wear, gloves and clothing.

Beware of vapors accumulating to form explosive concentrations.

Vapors can accumulate in low areas.

#### Environmental precautions:

Should not be released into the environment.

Prevent from reaching drains, sewer or waterway.

#### Methods and material for containment and cleaning up:

Wear protective eye wear, gloves and clothing.

Use spark-proof tools and equipment.

Absorb with non-combustible liquid-binding material (sand, diatomaceous earth (clay), acid binders, universal binders).

Dispose of contents / container in accordance with local regulations.

#### Reference to other sections:

Not determined or not applicable.

# Safety Data Sheet

## According to HSNO Regulations

Initial preparation date: 04.06.2018

Page 6 of 13

**POR-15 Black**

### SECTION 7: Handling and storage precautions

#### Precautions for safe handling:

- Use only with adequate ventilation.
- Avoid breathing mist or vapor.
- Do not eat, drink, smoke or use personal products when handling chemical substances.
- Take precautionary measures against electrostatic discharges.
- Use only non-sparking tools.

#### Conditions for safe storage, including any incompatibilities:

- Keep container tightly sealed.
- Protect from freezing and physical damage.
- Store in a cool, well-ventilated area.
- Store away from all ignition sources (open flames, hot surfaces, direct sunlight, spark sources).

#### Safe packaging material

##### Suitable material:

Not determined or not applicable.

##### Unsuitable material:

Not determined or not applicable.

### SECTION 8: Exposure controls and personal protection

#### Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
New Zealand	Carbon Black	1333-86-4	TWA: 3 mg/m <sup>3</sup>
	Xylene	1330-20-7	TWA: 350 mg/m <sup>3</sup> (80 ppm); STEL: 655 mg/m <sup>3</sup> (150 ppm)
	Cumene	98-82-8	TWA: 125 mg/m <sup>3</sup> (25 ppm); STEL: 375 mg/m <sup>3</sup> (75 ppm)

#### Biological limit value:

No biological exposure limits noted for the ingredient(s)

#### Information on monitoring procedures:

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls  
Biological monitoring may also be appropriate for some substances

#### Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.  
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.  
Use explosion-proof ventilation equipment.

#### Personal protection equipment

##### Eye and face protection:

Safety goggles or glasses, or appropriate eye protection.

##### Skin and body protection:

Select glove material impermeable and resistant to the substance.  
Wear appropriate clothing to prevent any possibility of skin contact.

# Safety Data Sheet

## According to HSN0 Regulations

Initial preparation date: 04.06.2018

Page 7 of 13

### POR-15 Black

#### Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

#### General hygienic measures:

Avoid contact with skin, eyes and clothing.  
Wash hands before breaks and at the end of work.  
Wash contaminated clothing before reuse.

### SECTION 9: Physical and chemical properties

<b>Appearance</b>	Gloss Black Colored Liquid
<b>Odor</b>	Not determined or not available.
<b>Odor threshold</b>	Not determined or not available.
<b>pH</b>	Not determined or not available.
<b>Melting point/freezing point</b>	Not determined or not available.
<b>Initial boiling point/range</b>	>284°F (>140°C)
<b>Flash point (closed cup)</b>	>106°F (>41°C)
<b>Evaporation rate</b>	Not determined or not available.
<b>Flammability (solid, gas)</b>	Not determined or not available.
<b>Upper flammability/explosive limit</b>	Not determined or not available.
<b>Lower flammability/explosive limit</b>	Not determined or not available.
<b>Vapor pressure</b>	38 mmHg
<b>Vapor density</b>	Not determined or not available.
<b>Density</b>	1.04 g/mL
<b>Relative density</b>	Not determined or not available.
<b>Solubilities</b>	Not miscible.
<b>Partition coefficient (n-octanol/water)</b>	Not determined or not available.
<b>Auto/Self-ignition temperature</b>	Not determined or not available.
<b>Decomposition temperature</b>	Not determined or not available.
<b>Dynamic viscosity</b>	200-500 cPs
<b>Kinematic viscosity</b>	Not determined or not available.
<b>Explosive properties</b>	Not determined or not available.
<b>Oxidizing properties</b>	Not determined or not available.

#### Other information

<b>VOC Content</b>	295 g/L (US EPA Method 24A)
<b>Recommended Storage Temperature</b>	50°F - 95°F
<b>Recommended Shelf Life</b>	3 Years Un-Opened

### SECTION 10: Stability and reactivity

#### Reactivity:

Does not react under normal conditions of use and storage.

#### Chemical stability:

Stable under normal conditions of use and storage.

#### Possibility of hazardous reactions:

None under normal conditions of use and storage.

#### Conditions to avoid:

Keep away from heat, sparks and flames.

# Safety Data Sheet

## According to HSNO Regulations

Initial preparation date: 04.06.2018

Page 8 of 13

**POR-15 Black**

### Incompatible materials:

None known.

### Hazardous decomposition products:

None known.

## SECTION 11: Toxicological information

### Acute toxicity:

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

### Substance data:

Name	Route	Result
Isocyanic acid, polymethylenepolyphenylene ester	inhalation	LC50 - Rat - 490 mg/m <sup>3</sup> /4h
Methylenediphenyl diisocyanate	inhalation	LC50 - Rat - 369 mg/cu m/4 h
4,4'-Methylenediphenyl diisocyanate	inhalation	LC50 - Rat - 369 mg/cu m/4 h
Xylene	dermal	LD50 - Rat - > 1,700 mg/kg
	inhalation	LC50 - Rat - 5,000 ppm/4 h
1, 2, 4-Trimethylbenzene	inhalation	LC50 - Rat - 18,000 mg/m <sup>3</sup>

### Skin corrosion/irritation:

**Assessment:** Causes skin irritation

**Product data:** No data available.

### Substance data:

Name	Result
Isocyanic acid, polymethylenepolyphenylene ester, polymer with 1,2- ethanediamine, 2-methyloxirane and 1,2- propanediol	Irritating to the skin.
Isocyanic acid, polymethylenepolyphenylene ester	Moderate skin irritation.
Methylenediphenyl diisocyanate	Irritating to the skin.
4,4'-Methylenediphenyl diisocyanate	Irritating to the skin.
Xylene	Irritating to the skin.
1, 2, 4-Trimethylbenzene	Irritating to the skin.
Naphtha (petroleum), hydrotreated heavy	Irritating to the skin.

### Serious eye damage/irritation:

**Assessment:** Causes serious eye irritation

**Product data:** No data available.

### Substance data:

Name	Result
Isocyanic acid, polymethylenepolyphenylene ester, polymer with 1,2- ethanediamine, 2-methyloxirane and 1,2- propanediol	Irritating effect on the eyes.
Isocyanic acid, polymethylenepolyphenylene ester	Irritating effect on the eyes.
Methylenediphenyl diisocyanate	Moderate eye irritation.
4,4'-Methylenediphenyl diisocyanate	Moderate eye irritation.
1, 2, 4-Trimethylbenzene	Irritating effect on the eyes.

### Respiratory or skin sensitization:

**Assessment:** May cause an allergic skin reaction May cause allergy or asthma symptoms or breathing

# Safety Data Sheet

## According to HSNO Regulations

Initial preparation date: 04.06.2018

Page 9 of 13

**POR-15 Black**

difficulties if inhaled

**Product data:** No data available.

**Substance data:**

Name	Result
Isocyanic acid, polymethylenepolyphenylene ester, polymer with 1,2- ethanediamine, 2-methyloxirane and 1,2- propanediol	Sensitization possible through skin and respiratory contact.
Isocyanic acid, polymethylenepolyphenylene ester	May cause sensitization by respiratory contact.
Methylenediphenyl diisocyanate	May cause sensitization by inhalation and skin contact.
4,4'-Methylenediphenyl diisocyanate	May cause sensitization by inhalation and skin contact.
Cumene	No skin irritation No eye irritation
Propanol, ((1-methyl-1,2- ethanediyl)bis(oxy))bis-, polymer with 1,1'- methylenebis(4-isocyanatobenzene)	Sensitization possible through respiratory contact.

### Carcinogenicity

**Assessment:** Suspected of causing cancer

**Product data:** No data available.

**Substance data:**

Name	Species	Result
Methylenediphenyl diisocyanate	Methylenediphenyl diisocyanate	May cause cancer.
4,4'-Methylenediphenyl diisocyanate		May cause cancer.
Carbon Black	Carbon Black	The IARC carcinogenic classification and California Proposition 65 Warning only apply to airborne, unbound particles of respirable size of Carbon Black.
Solvent naphtha (petroleum), light arom.	Solvent naphtha (petroleum), light arom.	Component may cause cancer.

### International Agency for Research on Cancer (IARC):

Name	Classification
Isocyanic acid, polymethylenepolyphenylene ester	Group 3 - Not classifiable as to its carcinogenicity to humans
Carbon Black	Group 2B - Possibly carcinogenic to humans
Xylene	Group 3 - Not classifiable as to its carcinogenicity to humans
Cumene	Group 2B - Possibly carcinogenic to humans

**National Toxicology Program (NTP):** None of the ingredients are listed.

### Germ cell mutagenicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:**

Name	Result
Solvent naphtha (petroleum), light arom.	May cause genetic defects.

# Safety Data Sheet

## According to HSNO Regulations

Initial preparation date: 04.06.2018

Page 10 of 13

**POR-15 Black**

### Reproductive toxicity

**Assessment:** Based on available data, the classification criteria are not met

**Product data:** No data available.

**Substance data:** No data available.

### Specific target organ toxicity (single exposure)

**Assessment:** May cause respiratory irritation. May cause drowsiness or dizziness

**Product data:** No data available.

#### Substance data:

Name	Result
Isocyanic acid, polymethylenepolyphenylene ester, polymer with 1,2- ethanediamine, 2-methyloxirane and 1,2- propanediol	May cause respiratory tract irritation through single or repeated exposure.
Isocyanic acid, polymethylenepolyphenylene ester	Component affects the respiratory system through single and repeated exposure.
Methylenediphenyl diisocyanate	Component affects the respiratory system through single and repeated exposure.
4,4'-Methylenediphenyl diisocyanate	Component affects the respiratory system through single and repeated exposure.
Cumene	Component affects the respiratory system.
1, 2, 4-Trimethylbenzene	Component affects the respiratory system.
Naphtha (petroleum), hydrotreated heavy	Component affects the central nervous system.

### Specific target organ toxicity (repeated exposure)

**Assessment:** Causes damage to organs through prolonged or repeated exposure

**Product data:** No data available.

**Substance data:** No data available.

### Aspiration toxicity

**Assessment:** May be fatal if swallowed and enters airways

**Product data:** No data available.

#### Substance data:

Name	Result
Solvent naphtha (petroleum), light arom.	May be fatal if swallowed and enters airway.
Naphtha (petroleum), hydrotreated heavy	May be fatal if swallowed and enters airway.

### Information on likely routes of exposure:

No data available.

### Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

### Other information:

No data available.

## SECTION 12: Ecological information

### Acute (short-term) toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

#### Substance data:

Name	Result
Cumene	EC50 - Daphnia magna - 1.4 mg/L - 24 h
	LC50 - Pimephales promelas - 6.32 mg/L - 96 h
1, 2, 4-Trimethylbenzene	LC50 - Pimephales promelas - 7.72 mg/L - 96 h

# Safety Data Sheet

According to HSNO Regulations

Initial preparation date: 04.06.2018

Page 11 of 13

## POR-15 Black

### Chronic (long-term) toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

### Persistence and degradability

**Product data:** No data available.

**Substance data:** No data available.

### Bioaccumulative potential

**Product data:** No data available.

**Substance data:** No data available.

### Mobility in soil

**Product data:** No data available.

**Substance data:** No data available.

### Hazard to the ozone layer

**Product data:** No data available.

**Substance data:** No data available.

**Other adverse effects:** No data available.


## SECTION 13: Disposal considerations

### Disposal methods:


It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities.

## SECTION 14: Transportation information

### Road/Rail transport: (NZS 5433:1999)

<b>UN number</b>	1263
<b>UN proper shipping name</b>	Paint
<b>UN transport hazard class(es)</b>	3 
<b>Packing group</b>	III
<b>Environmental hazards</b>	None
<b>Special precautions for user</b>	None

### International Maritime Dangerous Goods (IMDG)

<b>UN number</b>	1263
<b>UN proper shipping name</b>	Paint
<b>UN transport hazard class(es)</b>	3 
<b>Packing group</b>	III
<b>Environmental hazards</b>	None
<b>Special precautions for user</b>	None
<b>ERG code</b>	3L



# Safety Data Sheet

## According to HSNO Regulations


Initial preparation date: 04.06.2018

Page 12 of 13

### POR-15 Black

Excepted quantities	E1
Passenger and cargo	60L
Cargo aircraft only	220L
Limited quantity	10L
Additional Information	No additional data

### International Air Transport Association Dangerous Goods Regulations (IATA-ICAO)

<b>UN number</b>	1263
<b>UN proper shipping name</b>	Paint
<b>UN transport hazard class(es)</b>	3 
<b>Packing group</b>	III
<b>Environmental hazards</b>	None
<b>Special precautions for user</b>	None

**Transport in bulk according to Annex II of MARPOL and the IBC Code:** No additional data

### SECTION 15: Regulatory information

#### New Zealand Inventory of Chemicals (NZIoC):

95-63-6	1, 2, 4-Trimethylbenzene	Listed
64742-48-9	Naphtha (petroleum), hydrotreated heavy	Listed
1333-86-4	Carbon Black	Listed
1330-20-7	Xylene	Listed
52747-01-0	Propanol, ((1-methyl-1,2- ethanediyl)bis(oxy))bis-, polymer with 1,1'-methylenebis(4- isocyanatobenzene)	Not Listed
64742-95-6	Solvent naphtha (petroleum), light arom.	Listed
9016-87-9	Isocyanic acid, polymethylenepolyphenylene ester	Listed
26447-40-5	Methylenediphenyl diisocyanate	Listed
101-68-8	4,4'-Methylenediphenyl diisocyanate	Listed
98-82-8	Cumene	Listed
67815-87-6	Isocyanic acid, polymethylenepolyphenylene ester, polymer with 1,2-ethanediamine, 2- methyloxirane and 1,2-propanediol	Listed

#### HSNO Classification or Subclasses:

Class	GHS Category	HSNO Category
Flammable liquids	Category 3	3.1C
Skin irritation	Category 2	6.3A
Eye irritation	Category 2A	6.4A
Skin sensitization	Category 1	6.5A
Respiratory sensitization	Category 1	6.5A
Aspiration hazard	Category 1	6.1E

# Safety Data Sheet

## According to HSNO Regulations

Initial preparation date: 04.06.2018

Page 13 of 13

### POR-15 Black

Acute toxicity (inhalation)	Category 4	6.1D
Specific target organ toxicity - single exposure	Category 3, respiratory irritation	6.1E
Specific target organ toxicity - single exposure	Category 3, central nervous system	6.9B
Specific target organ toxicity - repeated exposure	Category 1	6.9A
Carcinogenicity	Category 2	6.7B

<b>HSNO Group Standard Name :</b>	<b>HSNO Approval Number:</b>
Surface Coatings and Colourants (Flammable, Toxic [6.7])	HSR002669

### SECTION 16: Other information

**Abbreviations and Acronyms:** None

**Disclaimer:**

The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

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**Revision Date:** New

**End of Safety Data Sheet**