



Safety Data Sheet

acc. to GHS-NZ

MATTE CLEAR / 2K WB GLOSS CLEAR HARDENER-PART B

Version number: GHS 3.0
Replaces version of: 2023-04-10 (GHS 2)

Revision: 2024-01-08

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name **MATTE CLEAR / 2K WB GLOSS CLEAR HARDENER-PART B**
Product code(s) 44811B, 44814B, 44914B, 44916B

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses Paint related material

1.3 Details of the supplier of the safety data sheet

e-mail (competent person) support@porproducts.com

1.3 Details of the supplier of the safety data sheet

Manufacturer:
P.O.R. Products:
38 Portman Road:
New Rochelle:
NY 10801:
United States:
support@porproducts.com:
www.porproducts.com:

Supplier of Product: HGLB Holdings Limited
Registered Office
69 Rutherford Street
Lower Hutt 5010
Sales@por15nz.com
021-446682
:

1.4 Emergency telephone number

New Zealand ((Mon - Fri, 09:00-17:00 NZST) NZ Poisons Information Center: 0800 764 766 or
+(64) 3 474 7000

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification acc. to GHS

Section	Hazard class	Category	Hazard class and category	Hazard statement
2.6	flammable liquid	3	Flam. Liq. 3	H226
3.1D	acute toxicity (dermal)	5	Acute Tox. 5	H313
3.1I	acute toxicity (inhal.)	5	Acute Tox. 5	H333
3.4S	skin sensitisation	1	Skin Sens. 1	H317
3.8R	specific target organ toxicity - single exposure (respiratory tract irritation)	3	STOT SE 3	H335
4.1A	hazardous to the aquatic environment - acute hazard	3	Aquatic Acute 3	H402

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

The product is combustible and can be ignited by potential ignition sources. Spillage and fire water can cause pollution of watercourses.

MATTE CLEAR / 2K WB GLOSS CLEAR HARDENER-PART B

Version number: GHS 3.0
Replaces version of: 2023-04-10 (GHS 2)

Revision: 2024-01-08

2.2 Label elements

Labelling

- Signal word warning

- Pictograms

GHS02, GHS07



- Hazard statements

H226 Flammable liquid and vapour.
H313+H333 May be harmful in contact with skin or if inhaled.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.
H402 Harmful to aquatic life.

- Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P302+P312 IF ON SKIN: Call a POISON CENTER/doctor if you feel unwell.
P302+P352 IF ON SKIN: Wash with plenty of water.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304+P312 IF INHALED: Call a POISON CENTER/doctor if you feel unwell.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTER/doctor if you feel unwell.
P321 Specific treatment (see on this label).
P362+P364 Take off contaminated clothing and wash it before reuse.
P370+P378 In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
P501 Dispose of contents/container to industrial combustion plant.

- Hazardous ingredients for labelling

Homopolymer of Hexamethylene Diisocyanat,
Hexamethylene-1,6Diisocyanate, N,N-Dimethylcyclohexylamine

2.3 Other hazards

Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance in a concentration of $\geq 0,1\%$.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) in a concentration of $\geq 0,1\%$.

MATTE CLEAR / 2K WB GLOSS CLEAR HARDENER-PART B

Version number: GHS 3.0
Replaces version of: 2023-04-10 (GHS 2)

Revision: 2024-01-08

SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Description of the mixture

Name of substance	Identifier	Wt%	Classification acc. to GHS
Homopolymer of Hexamethylene Diisocyanat	CAS No 28182-81-2	75 - < 90	Acute Tox. 5 / H313 Acute Tox. 3 / H331 Skin Sens. 1 / H317 STOT SE 3 / H335
	CAS No 666723-27-9	10 - < 25	
N,N-Dimethylcyclohexylamine	CAS No 98-94-2	1 - < 5	Flam. Liq. 3 / H226 Acute Tox. 3 / H301 Acute Tox. 3 / H311 Aquatic Acute 1 / H400
Hexamethylene-1,6Diisocyanate	CAS No 822-06-0	0.1 - < 1	Acute Tox. 4 / H302 Acute Tox. 1 / H330 Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Resp. Sens. 1 / H334 Skin Sens. 1 / H317 STOT SE 3 / H335

For full text of abbreviations: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

MATTE CLEAR / 2K WB GLOSS CLEAR HARDENER-PART B

Version number: GHS 3.0
Replaces version of: 2023-04-10 (GHS 2)

Revision: 2024-01-08

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray, BC-powder, Carbon dioxide (CO₂)

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

In case of insufficient ventilation and/or in use, may form flammable/explosive vapour-air mixture. Solvent vapours are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

Hazardous combustion products

Nitrogen oxides (NO_x), Carbon monoxide (CO), Carbon dioxide (CO₂)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

MATTE CLEAR / 2K WB GLOSS CLEAR HARDENER-PART B

Version number: GHS 3.0
Replaces version of: 2023-04-10 (GHS 2)

Revision: 2024-01-08

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.

- Specific notes/details

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapours are heavier than air, spread along floors and form explosive mixtures with air. Vapours may form explosive mixtures with air.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Explosive atmospheres

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

- Flammability hazards

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

- Ventilation requirements

Keep any substance that emits harmful vapours or gases in a place that allows these to be permanently extracted. Use local and general ventilation. Ground/bond container and receiving equipment.

- Packaging compatibilities

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

7.3 Specific end use(s)

See section 16 for a general overview.

MATTE CLEAR / 2K WB GLOSS CLEAR HARDENER-PART B

Version number: GHS 3.0
Replaces version of: 2023-04-10 (GHS 2)

Revision: 2024-01-08

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)
this information is not available

Relevant DNELs of components						
Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Homopolymer of Hexamethylene Diisocyanat	28182-81-2	DNEL	0.5 mg/m ³	human, inhalatory	worker (industry)	chronic - local effects
Homopolymer of Hexamethylene Diisocyanat	28182-81-2	DNEL	1 mg/m ³	human, inhalatory	worker (industry)	acute - local effects
N,N-Dimethylcyclohexylamine	98-94-2	DNEL	0.53 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
N,N-Dimethylcyclohexylamine	98-94-2	DNEL	8.3 mg/m ³	human, inhalatory	worker (industry)	chronic - local effects
N,N-Dimethylcyclohexylamine	98-94-2	DNEL	8.3 mg/m ³	human, inhalatory	worker (industry)	acute - local effects
N,N-Dimethylcyclohexylamine	98-94-2	DNEL	0.6 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Hexamethylene-1,6Diisocyanate	822-06-0	DNEL	0.035 mg/m ³	human, inhalatory	worker (industry)	chronic - local effects
Hexamethylene-1,6Diisocyanate	822-06-0	DNEL	0.07 mg/m ³	human, inhalatory	worker (industry)	acute - local effects

Relevant PNECs of components						
Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
Homopolymer of Hexamethylene Diisocyanat	28182-81-2	PNEC	0.127 mg/l	aquatic organisms	freshwater	short-term (single instance)
Homopolymer of Hexamethylene Diisocyanat	28182-81-2	PNEC	0.013 mg/l	aquatic organisms	marine water	short-term (single instance)
Homopolymer of Hexamethylene Diisocyanat	28182-81-2	PNEC	266,701 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Homopolymer of Hexamethylene Diisocyanat	28182-81-2	PNEC	26,670 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Homopolymer of Hexamethylene Diisocyanat	28182-81-2	PNEC	53,183 mg/kg	terrestrial organisms	soil	short-term (single instance)

MATTE CLEAR / 2K WB GLOSS CLEAR HARDENER-PART B

Version number: GHS 3.0
Replaces version of: 2023-04-10 (GHS 2)

Revision: 2024-01-08

Relevant PNECs of components						
Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
Homopolymer of Hexamethylene Diisocyanat	28182-81-2	PNEC	6.46 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
N,N-Dimethylcyclohexylamine	98-94-2	PNEC	0.002 mg/l	aquatic organisms	freshwater	short-term (single instance)
N,N-Dimethylcyclohexylamine	98-94-2	PNEC	0 mg/l	aquatic organisms	marine water	short-term (single instance)
N,N-Dimethylcyclohexylamine	98-94-2	PNEC	20.6 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
N,N-Dimethylcyclohexylamine	98-94-2	PNEC	0.021 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
N,N-Dimethylcyclohexylamine	98-94-2	PNEC	0.002 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
N,N-Dimethylcyclohexylamine	98-94-2	PNEC	0.003 mg/kg	terrestrial organisms	soil	short-term (single instance)
Hexamethylene-1,6Diisocyanate	822-06-0	PNEC	8.42 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

MATTE CLEAR / 2K WB GLOSS CLEAR HARDENER-PART B

Version number: GHS 3.0
Replaces version of: 2023-04-10 (GHS 2)

Revision: 2024-01-08

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	liquid
Colour	not determined
Odour	characteristic
Melting point/freezing point	not determined
Boiling point or initial boiling point and boiling range	162.3 °C at 1,013 hPa
Flammability	flammable liquid in accordance with GHS criteria
Lower and upper explosion limit	not determined
Flash point	41 °C at 1,013 hPa
Auto-ignition temperature	200 °C (auto-ignition temperature (liquids and gases))
Decomposition temperature	not relevant
pH (value)	not determined
Kinematic viscosity	not determined
Solubility(ies)	not determined

Partition coefficient

Partition coefficient n-octanol/water (log value)	this information is not available
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Vapour pressure	3.17 hPa at 21.5 °C
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Density and/or relative density

Density	not determined
Relative vapour density	information on this property is not available

Particle characteristics	not relevant (liquid)
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MATTE CLEAR / 2K WB GLOSS CLEAR HARDENER-PART B

Version number: GHS 3.0
Replaces version of: 2023-04-10 (GHS 2)

Revision: 2024-01-08

9.2 Other information

Information with regard to physical hazard classes	there is no additional information
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Other safety characteristics

Solid content	80.5 %
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SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains reactive substance(s). Risk of ignition.

If heated:

Risk of ignition

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints to prevent fire or explosion

Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

10.5 Incompatible materials

Oxidisers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification acc. to GHS

Acute toxicity

May be harmful in contact with skin. May be harmful if inhaled.

- Acute toxicity estimate (ATE)

Dermal	2,346 mg/kg
Inhalation: vapour	24.8 mg/l/4h

MATTE CLEAR / 2K WB GLOSS CLEAR HARDENER-PART B

Version number: GHS 3.0
Replaces version of: 2023-04-10 (GHS 2)

Revision: 2024-01-08

Acute toxicity estimate (ATE) of components			
Name of substance	CAS No	Exposure route	ATE
Homopolymer of Hexamethylene Diisocyanat	28182-81-2	dermal	>2,000 mg/kg
Homopolymer of Hexamethylene Diisocyanat	28182-81-2	inhalation: dust/mist	0.5 mg/l/4h
N,N-Dimethylcyclohexylamine	98-94-2	oral	>272 mg/kg
N,N-Dimethylcyclohexylamine	98-94-2	dermal	380 mg/kg
Hexamethylene-1,6Diisocyanate	822-06-0	oral	959 mg/kg
Hexamethylene-1,6Diisocyanate	822-06-0	inhalation: vapour	0.124 mg/l/4h

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

May cause respiratory irritation.

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

11.2 Information on other hazards

There is no additional information.

MATTE CLEAR / 2K WB GLOSS CLEAR HARDENER-PART B

Version number: GHS 3.0
Replaces version of: 2023-04-10 (GHS 2)

Revision: 2024-01-08

SECTION 12: Ecological information

12.1 Toxicity

Harmful to aquatic life.

Aquatic toxicity (acute) of components

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Homopolymer of Hexamethylene Diisocyanat	28182-81-2	EC50	>1,000 mg/l	algae	72 h
Homopolymer of Hexamethylene Diisocyanat	28182-81-2	ErC50	>1,000 mg/l	algae	72 h
Homopolymer of Hexamethylene Diisocyanat	28182-81-2	EL50	>100 mg/l	algae	72 h
N,N-Dimethylcyclohexylamine	98-94-2	LC50	31.58 mg/l	fish	96 h
N,N-Dimethylcyclohexylamine	98-94-2	ErC50	>2 mg/l	algae	72 h
N,N-Dimethylcyclohexylamine	98-94-2	EC50	0.79 mg/l	algae	72 h

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance in a concentration of $\geq 0,1\%$.

12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) in a concentration of $\geq 0,1\%$.

12.7 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment-relevant information

Solvent reclamation/regeneration.

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

MATTE CLEAR / 2K WB GLOSS CLEAR HARDENER-PART B

Version number: GHS 3.0
Replaces version of: 2023-04-10 (GHS 2)

Revision: 2024-01-08

Waste treatment of containers/packagings

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1 UN number

UN RTDG	UN 1263
IMDG-Code	UN 1263
ICAO-TI	UN 1263

14.2 UN proper shipping name

UN RTDG	PAINT RELATED MATERIAL
IMDG-Code	PAINT RELATED MATERIAL
ICAO-TI	Paint related material

14.3 Transport hazard class(es)

UN RTDG	3
IMDG-Code	3
ICAO-TI	3

14.4 Packing group

UN RTDG	III
IMDG-Code	III
ICAO-TI	III

14.5 Environmental hazards

non-environmentally hazardous acc. to the dangerous goods regulations

14.6 Special precautions for user

There is no additional information.

14.7 Maritime transport in bulk according to IMO instruments

The cargo is not intended to be carried in bulk.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

There is no additional information.



Safety Data Sheet

acc. to GHS-NZ

MATTE CLEAR / 2K WB GLOSS CLEAR HARDENER-PART B

Version number: GHS 3.0
Replaces version of: 2023-04-10 (GHS 2)

Revision: 2024-01-08

National regulations (New Zealand)

New Zealand Inventory of Chemicals
(NZIoC)

Surface Coatings and Colourants (Flammable, Carcinogenic) Group Standard 2020
HSR002669.

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Key literature references and sources for data

Globally Harmonized System of Classification and Labelling of Chemicals ("Purple book").

UN Recommendations on the Transport of Dangerous Goods. International Maritime Dangerous Goods Code (IMDG).
Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.