

## Safety data sheet

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Chemetall (now part of BASF Group) Safety data sheet

Date / Revised: 18.12.2020

Product: **ENVIRO DEGREASER**

Version: 1.0

(30722012/SDS\_GEN\_NZ/EN)

Date of print 19.12.2020

### 1. Substance/preparation and manufacturer/supplier identification

#### ENVIRO DEGREASER

Recommended use: surfactant

Not recommended use: Uses other than recommended

Manufacturer/supplier:

Chemetall (New Zealand) Ltd  
664 Rosebank Road Avondale,  
Auckland 1026  
NEW ZEALAND  
Telephone: 008 837 464, +64 9 820 3888  
Telefax number: +64 9 820 3979  
E-mail address: nzadmin@basf.com

Emergency information:

National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

### 2. Hazard identification

Classification of the substance and mixture:

Skin corrosion/irritation: Cat. 3

Serious eye damage/eye irritation: Cat. 1

Skin sensitization: Cat. 1

Hazardous to the aquatic environment - acute: Cat. 2

Hazardous to the aquatic environment - chronic: Cat. 2

Label elements and precautionary statement:

Pictogram:

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Signal Word:  
 Danger

Hazard Statement:

H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H411	Toxic to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P310	Immediately call a POISON CENTER or physician.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313	If skin irritation or rash occurs: Get medical attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P391	Collect spillage.

Precautionary Statements (Disposal):

P501	Dispose of contents and container to hazardous or special waste collection point.
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Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

organic, inorganic, aqueous solution

#### Hazardous ingredients

Diphosphoric acid, tetrapotassium salt	
Content (W/W): $\geq 7\%$ - $< 10\%$	Eye Dam./Irrit.: Cat. 2A
CAS Number: 7320-34-5	

Alcohols, C12-15, ethoxylated, 1-2.5 EO

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Content (W/W): $\geq 3\%$ - $< 5\%$ CAS Number: 68131-39-5	Eye Dam./Irrit.: Cat. 1 Aquatic Acute: Cat. 1 Aquatic Chronic: Cat. 3
1-ethoxypropan-2-ol Content (W/W): $\geq 3\%$ - $< 5\%$ CAS Number: 1569-02-4	Flam. Liq.: Cat. 3 STOT SE (Central nervous system): Cat. 3 (drowsiness and dizziness)
"(R)-p-mentha-1,8-diene; d-limonene" Content (W/W): $\geq 3\%$ - $< 5\%$ CAS Number: 5989-27-5	Asp. Tox.: Cat. 1 Flam. Liq.: Cat. 3 Skin Corr./Irrit.: Cat. 2 Skin Sens.: Cat. 1 Aquatic Acute: Cat. 1 Aquatic Chronic: Cat. 1 M-factor acute: 1
4-Nonylphenol branched, ethoxylated Content (W/W): $\geq 1\%$ - $< 2\%$ CAS Number: 127087-87-0	Skin Corr./Irrit.: Cat. 2 Aquatic Chronic: Cat. 2 Eye Dam./Irrit.: Cat. 2A
Quaternary Ammonium Compounds, Coco Alkylbis(hydroxyethyl)met Content (W/W): $\geq 2.5\%$ - $< 3\%$ CAS Number: 61791-10-4	Acute Tox.: Cat. 4 (oral) Acute Tox.: Cat. 4 (dermal) Skin Corr./Irrit.: Cat. 2 Eye Dam./Irrit.: Cat. 1 Aquatic Acute: Cat. 1 Aquatic Chronic: Cat. 1

#### 4. First-Aid Measures

##### General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Immediately remove contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

##### If inhaled:

Remove the affected individual into fresh air and keep the person calm. If symptoms persist, seek medical advice. If breathing is irregular or stopped, administer artificial respiration.

##### On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

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On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

On ingestion:

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

Note to physician:

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:

water jet

Specific hazards:

Hazardous decomposition products formed under fire conditions.

Special protective equipment:

Appropriate breathing apparatus may be required.

Further information:

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

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## 6. Accidental Release Measures

Personal precautions:

Use personal protective clothing. Avoid breathing vapours. Keep away from sources of ignition. Ensure adequate ventilation. Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

Environmental precautions:

Do not allow to enter drains or waterways. Do not discharge into the subsoil/soil. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste

regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

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## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. The relevant fire protection measures should be noted.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials. Segregate from acids and acid forming substances.

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephtalate (PET), Polypropylene (PP), Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions.

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## 8. Exposure controls and personal protection

### Components with occupational exposure limits

No occupational exposure limits known.

### Personal protective equipment

#### Respiratory protection:

Wear respiratory protection if ventilation is inadequate. (Gas filter EN 14387 A)

#### Hand protection:

Wear protective gloves of neoprene.

Use suitable protective gloves made of nitrile rubber or butyl rubber. Please observe the glove manufacturer's instructions on permeability and rupture times as well as the specific workplace conditions.

Chemical resistant protective gloves (EN 374)

Further information on penetration time is available from the manufacturer of the glove.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Eye protection:  
Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Body protection:  
Chemical resistant protective clothing according to DIN EN 13034 (Type 6)

General safety and hygiene measures:  
Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

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## 9. Physical and Chemical Properties

Form:	liquid
Colour:	orange
pH value:	10.0 - 11.0 (20 °C) (undiluted)
Melting point:	not determined
onset of boiling:	100 °C
Flash point:	not applicable
Flammability (solid/gas):	not applicable
Lower explosion limit:	not determined
Ignition temperature:	not determined
Self heating ability:	It is not a substance capable of spontaneous heating.
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating
Vapour pressure:	(20 °C) not determined  (50 °C) not determined
Density:	1.070 g/cm <sup>3</sup> (20 °C)

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Solubility in water:	soluble	
Miscibility with water:	miscible	
:	No data available.	
Flow time:	< 30 s	(DIN EN ISO 2431; 3 mm)

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## 10. Stability and Reactivity

Conditions to avoid:  
Avoid direct sunlight.

Substances to avoid:  
acid forming substances, Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions., acids

Hazardous reactions:  
No hazardous reactions when stored and handled according to instructions.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

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## 11. Toxicological Information

### Acute toxicity

Assessment of acute toxicity:  
Based on available Data, the classification criteria are not met.

### Irritation

Assessment of irritating effects:  
May cause severe damage to the eyes. Skin contact causes slight irritation.

### Respiratory/Skin sensitization

Assessment of sensitization:  
Sensitization after skin contact possible.

### Germ cell mutagenicity

Assessment of mutagenicity:  
Based on available Data, the classification criteria are not met.

### Carcinogenicity

Assessment of carcinogenicity:  
Based on available Data, the classification criteria are not met.

### **Reproductive toxicity**

Assessment of reproduction toxicity:  
Based on available Data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:  
Based on available Data, the classification criteria are not met.

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

Assessment of STOT single:  
Based on available Data, the classification criteria are not met.

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:  
Based on available Data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

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## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:  
Toxic to aquatic life. Toxic to aquatic life with long lasting effects. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
No data available concerning biodegradation and elimination.

Elimination information:  
No data available.

### **Bioaccumulation potential**

Bioaccumulation potential:  
No data available.

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### 13. Disposal Considerations

Observe national and local legal requirements.

Contaminated packaging:  
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

### 14. Transport Information

#### Domestic transport:

Packing group: III  
ID number: UN 3082  
Transport hazard class(es): 9, EHS  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains "(R)-p-mentha-1,8-diene; d-limonene")

#### Further information

Hazchem Code:3Z  
IERG Number:47

#### Sea transport

IMDG

Packing group: III  
ID number: UN 3082  
Transport hazard class(es): 9, EHS  
Marine pollutant: YES  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains "(R)-p-mentha-1,8-diene; d-limonene")

#### Air transport

IATA/ICAO

Packing group: III  
ID number: UN 3082  
Transport hazard class(es): 9, EHS  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains "(R)-p-mentha-1,8-diene; d-limonene")

### 15. Regulatory Information

#### Other regulations

Xi - Irritant.  
N - Dangerous for the environment.

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sensitizing - sensitizing

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002530

Cleaning Products (Subsidiary Hazard) Group Standard 2017

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## 16. Other Information

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.