

Safety data sheet

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Chemetall (now part of BASF Group) Safety data sheet

Date / Revised: 12.12.2018

Product: **ENVIRO CLEANER**

Version: 1.0

(30722009/SDU_GEN_NZ/EN)

Date of print 27.12.2018

1. Substance/preparation and manufacturer/supplier identification

ENVIRO CLEANER

Manufacturer/supplier:

Chemetall (New Zealand) Ltd
664 Rosebank Road Avondale,
Auckland 1026
NEW ZEALAND
Tel: 008 837 464, +64 9 820 3888
Fax: +64 9 820 3979
Email: nzadmin@basf.com

Emergency information:

Telephone: +64 9 820 3888

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Skin corrosion/irritation : Category 2

Serious eye damage/eye irritation : Category 1

Skin sensitisation : Category 1

GHS label elements

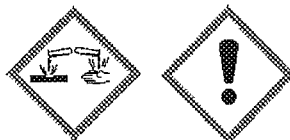
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Hazard pictograms :



Signal word :

: Danger

Hazard statements :

: H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.

Precautionary statements :

Prevention:
 P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P261 Avoid breathing mist or vapours.
 P262 Do not get in eyes, on skin, or on clothing.
 P264 Wash skin thoroughly after handling.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
 P281 Use personal protective equipment as required.
Response:
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P308 + P313 IF exposed or concerned: Get medical advice/ attention.
 P310 Immediately call a POISON CENTER or doctor/ physician.
 P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
 P362 Take off contaminated clothing and wash before reuse.
Storage:
 P405 Store locked up.
Disposal:
 P501 Dispose of contents/ container to an approved waste disposal plant.

In use hazards

An in-use solution of **less than 20%** is not classified as hazardous according to GHS criteria.
 An in-use solution of **20 - 50%** has the signal word WARNING according to GHS criteria.

Other hazards which do not result in classification

The information required is contained in this Material Safety Data Sheet.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
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1-ethoxypropan-2-ol	1569-02-4	< 10
Alcohols, C12-14, ethoxylated	68439-50-9	< 10
Trisodium-nitritotriacetate	5064-31-3	< 10
Disodium metasilicate	6834-92-0	< 10
Quaternary alkylamine ethoxylate	61791-10-4	< 10
Dipentene	138-86-3	< 10
Nonylphenol polyglycol ether	9016-45-9	< 10

SECTION 4. FIRST AID MEASURES

- General advice : Take off contaminated clothing and shoes immediately.
 First Aid responders should pay attention to self-protection and use the recommended protective clothing
 Move out of dangerous area.
- Inhalation : Move to fresh air.
 If symptoms persist, call a physician.
- Skin contact : Wash off immediately with plenty of water for at least 15 minutes.
 Call a physician immediately.
- Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
 Call a physician immediately.
- Ingestion : Rinse mouth with water.
 Immediately give large quantities of water to drink.
 Do NOT induce vomiting.
 Call a physician immediately.
- Most important symptoms and effects, both acute and delayed : If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach.
- Notes to physician : Treat symptomatically.
 For specialist advice physicians should contact the Poisons Information Service.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : Hazardous decomposition products formed under fire conditions.
- Specific extinguishing methods : The product itself does not burn.
 Collect contaminated fire extinguishing water separately. This

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must not be discharged into drains.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Wear personal protective equipment.
 For further information see Section 8 of the safety data sheet.
 For disposal considerations see section 13.
- Environmental precautions : Do not flush into surface water or sanitary sewer system.
 Avoid subsoil penetration.
- Methods and materials for containment and cleaning up : Ensure adequate ventilation.
 Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
 Sweep up and shovel into suitable containers for disposal.

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Advice on safe handling : Provide sufficient air exchange and/or exhaust in work rooms.
 Ensure that eye flushing systems and safety showers are located close to the working place.
 Avoid contact with skin and eyes.
 To avoid risks to man and the environment, comply with the instructions for use.
- Hygiene measures : Take off contaminated clothing and shoes immediately.
 Avoid contact with the skin and the eyes.
 Keep away from food, drink and animal feedingstuffs.
 Wash hands before breaks and immediately after handling the product.
- Conditions for safe storage : Store in a place accessible by authorized persons only.
 Store in original container.
 Keep container tightly closed in a dry and well-ventilated place.
 To maintain product quality, do not store in heat or direct sunlight.
- Materials to avoid : Do not store near acids.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

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Contains no substances with occupational exposure limit values.

Engineering measures : Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
 Recommended Filter type:
 Type B

Hand protection
 Material : butyl-rubber

Remarks : Protective gloves complying with EN 374. The exact break through time can be obtained from the protective glove producer and this has to be observed. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Eye protection : Tightly fitting safety goggles
 Eye protection (EN 166)

Skin and body protection : Chemical resistant protective clothing according to DIN EN 13034 (Type 6)

Protective measures : Handle in accordance with good industrial hygiene and safety practice.
 Ensure that eye flushing systems and safety showers are located close to the working place.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid
 Colour : green
 pH : 13
 Boiling point/boiling range : > 100 °C
 Flash point : Not applicable
 Vapour pressure : No data available
 Density : 1.06 g/cm³
 Solubility(ies)
 Water solubility : soluble

SECTION 10. STABILITY AND REACTIVITY

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Reactivity	: Potential for exothermic hazard
Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reactions	: Amphoteric metals are attacked developing hydrogen (combustible).
Conditions to avoid	: Avoid contact with amphoteric metals (e.g. aluminium, lead, zinc). Protect from frost, heat and sunlight.
Incompatible materials	: Acids Light metals
Hazardous decomposition products	: No decomposition if used as directed.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity : Acute toxicity estimate: > 2,000 mg/kg
 Method: Calculation method

Components:

1-ethoxypropan-2-ol:

Acute oral toxicity : LD50 (Rat): 4,900 mg/kg
 Acute inhalation toxicity : LC50 (Rat): > 14,200 mg/l
 Exposure time: 4 h
 Acute dermal toxicity : LD50 (Rabbit): 9,500 mg/kg

Alcohols, C12-14, ethoxylated:

Acute oral toxicity : LD50: > 5,000 mg/kg

Trisodium-nitrilotriacetate:

Acute inhalation toxicity : LC50 (Rat): > 5 mg/l
 Exposure time: 4 h
 Remarks: Information taken from reference works and the literature.

Acute dermal toxicity : LD50 (Rabbit): > 10,000 mg/kg

Nonylphenol polyglycol ether:

Acute oral toxicity : LD50 (Rat): > 2,000.0 mg/kg

Skin corrosion/irritation

Product : No data available

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Serious eye damage/eye irritation

Product : No data available

Respiratory or skin sensitisation**Product:**

Remarks: No data available

Assessment: If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach.

Chronic toxicity**Germ cell mutagenicity**

Product : No data available

Components:**Trisodium-nitrilotriacetate:**

Germ cell mutagenicity - Assessment : Animal testing did not show any mutagenic effects.

Carcinogenicity

Product : No data available

Components:**Trisodium-nitrilotriacetate:**

Carcinogenicity - Assessment : Limited evidence of a carcinogenic effect.

Reproductive toxicity

Product : No data available

Components:**Trisodium-nitrilotriacetate:**Reproductive toxicity - Assessment : Animal testing did not show any effects on fertility.
Animal testing did not show any effects on foetal development.**STOT - single exposure**

Product : No data available

STOT - repeated exposure

Product : No data available

Product:

Repeated dose toxicity - Assessment : If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach.

Aspiration toxicity

Product : No data available

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Components:****1-ethoxypropan-2-ol:**

Toxicity to fish : LC50: > 1,000 mg/l

Toxicity to daphnia and other aquatic invertebrates : EC50: > 1,000 mg/l

Toxicity to algae : IC50: > 1,000 mg/l

Alcohols, C12-14, ethoxylated:

Toxicity to fish : LC50: 1 - 10 mg/l
 Test Type: semi-static test
 Method: ISO 7346/2

Toxicity to daphnia and other aquatic invertebrates : EC50: > 100 mg/l

Trisodium-nitrilotriacetate:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): > 100 mg/l
 Exposure time: 96 h
 Test Type: flow-through test
 Remarks: Information taken from reference works and the literature.

Toxicity to daphnia and other aquatic invertebrates : EC50 (Gammarus salinus (seawater shrimp)): 98 mg/l
 Exposure time: 96 h
 Remarks: Information taken from reference works and the literature.

Toxicity to algae : EC50 (Scenedesmus capricornutum (fresh water algae)): > 91.5 mg/l
 Exposure time: 72 h
 Test Type: static test
 Method: Tested according to Directive 92/69/EEC.

Toxicity to bacteria : EC50 (.): 3,200 - 5,600 mg/l
 Exposure time: 8 h
 Remarks: Information taken from reference works and the literature.

Nonylphenol polyglycol ether:

Toxicity to fish : LC50 (Brachydanio rerio (Zebra danio)): > 1 - 10 mg/l
 Exposure time: 96 h

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Persistence and degradability

Product:

Biodegradability : Remarks: The surfactant(s) contained in this mixture complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.907/2006 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Components:

Alcohols, C12-14, ethoxylated:

Biodegradability : Remarks: Not readily biodegradable.

Bioaccumulative potential

Product:

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

Mobility in soil

Product:

Mobility : Remarks: No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : In accordance with local and national regulations.

Packaging : Dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION

International Regulation

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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Not applicable for product as supplied.

National Regulations**ADG**

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION**Safety, health and environmental regulations/legislation specific for the substance or mixture**

The product is classified and labelled in accordance with EC directives or respective national laws.

Regional or national implementations of GHS may not implement all hazard classes and categories.

Standard for the Uniform : Schedule 5

Scheduling of Medicines and

Poisons

SECTION 16. OTHER INFORMATION**Full text of other abbreviations**

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; CPR - Controlled Products Regulations; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

Further information

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Other information :
Date format : dd.mm.yyyy

AU / EN

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

The content of this Safety Data Sheet (SDS) is based on an existing document from an acquired company with adaptations to Section I. The data is currently under validation.

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.