

Safety data sheet

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Chemetall (now part of BASF Group) Safety data sheet

Date / Revised: 12.10.2020

Product: **AIR COOLER CLEANER**

Version: 1.0

(30722050/SDS_GEN_NZ/EN)

Date of print 05.01.2021

1. Substance/preparation and manufacturer/supplier identification

AIR COOLER CLEANER

Recommended use: Detergents

Not recommended use: None known

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:

Acute toxicity: Cat. 5 (oral)

Skin corrosion/irritation: Cat. 2

Serious eye damage/eye irritation: Cat. 1

Aspiration hazard: Cat. 1

Specific target organ toxicity — single exposure: Cat. 3 (Vapours may cause drowsiness and dizziness.)

Hazardous to the aquatic environment - acute: Cat. 2

Hazardous to the aquatic environment - chronic: Cat. 2

Flammable liquids: Cat. 4

Label elements and precautionary statement:

Pictogram:



Signal Word:
 Danger

Hazard Statement:

H318	Causes serious eye damage.
H315	Causes skin irritation.
H303	May be harmful if swallowed.
H411	Toxic to aquatic life with long lasting effects.
H227	Combustible liquid.
H304	May be fatal if swallowed and enters airways.
H336	May cause drowsiness or dizziness.

Precautionary Statements (Prevention):

P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P310	Immediately call a POISON CENTER or physician.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or physician.
P332 + P313	If skin irritation occurs: Get medical attention.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P331	Do NOT induce vomiting.
P391	Collect spillage.

Precautionary Statements (Storage):

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.

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:

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The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria. 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

Hazardous ingredients

Benzyl alcohol

Content (W/W): $\geq 7\%$ - $< 10\%$
 CAS Number: 100-51-6

Acute Tox.: Cat. 4 (oral)
 Acute Tox.: Cat. 4 (Inhalation - mist)
 Eye Dam./Irrit.: Cat. 2A

2-butoxyethanol

Content (W/W): $\geq 10\%$ - $< 12.5\%$
 CAS Number: 111-76-2

Flam. Liq.: Cat. 4
 Eye Dam./Irrit.: Cat. 2A
 Acute Tox.: Cat. 4 (oral)
 Skin Corr./Irrit.: Cat. 2

2-aminoethanol

Content (W/W): $\geq 1\%$ - $< 2\%$
 CAS Number: 141-43-5

Flam. Liq.: Cat. 4
 Acute Tox.: Cat. 4 (Inhalation - vapour)
 Acute Tox.: Cat. 4 (oral)
 Aquatic Acute: Cat. 2
 Acute Tox.: Cat. 5 (dermal)
 Skin Corr./Irrit.: Cat. 1B
 Eye Dam./Irrit.: Cat. 1
 STOT SE: Cat. 3 (irr. to respiratory syst.)
 Aquatic Chronic: Cat. 3

Amides, coco, N,N-bis(hydroxyethyl)

Content (W/W): $\geq 1\%$ - $< 2\%$
 CAS Number: 68603-42-9

Skin Corr./Irrit.: Cat. 2
 Eye Dam./Irrit.: Cat. 2A

α -(4-Nonylphenyl)- ω -hydroxy-poly(oxy-1,2-ethanediyl) branched

Content (W/W): $\geq 3\%$ - $< 5\%$
 CAS Number: 127087-87-0

Eye Dam./Irrit.: Cat. 1

2,2'-iminodiethanol

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Content (W/W): $\geq 0.1\%$ - $< 0.2\%$ Acute Tox.: Cat. 4 (oral)
 CAS Number: 111-42-2 Skin Corr./Irrit.: Cat. 2
 Eye Dam./Irrit.: Cat. 1
 Repr.: Cat. 2 (fertility)
 Repr.: Cat. 2 (unborn child)
 STOT RE (Kidney, Liver, Blood, Central nervous system): Cat. 2
 Aquatic Acute: Cat. 2

solvent naphtha

Content (W/W): $\geq 50\%$ - $< 75\%$ Asp. Tox.: Cat. 1
 CAS Number: 64742-94-5 Flam. Liq.: Cat. 4
 Skin Corr./Irrit.: Cat. 2
 STOT SE: Cat. 3 (drowsiness and dizziness)
 Aquatic Acute: Cat. 2
 Aquatic Chronic: Cat. 2

4-Nonylphenol, branched, ethoxylated

Content (W/W): $\geq 3\%$ - $< 5\%$ Acute Tox.: Cat. 4 (oral)
 CAS Number: 127087-87-0 Eye Dam./Irrit.: Cat. 1
 Aquatic Chronic: Cat. 2

4. First-Aid Measures

General advice:

Immediately remove contaminated clothing. First aid personnel should pay attention to their own safety. Remove affected person from danger area.

If inhaled:

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

On skin contact:

Flush with copious amounts of water for at least 15 minutes. If symptoms persist, seek medical advice.

On contact with eyes:

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

On ingestion:

Rinse mouth thoroughly with water, seek medical attention. Do not induce vomiting. Summon medical aid without delay.

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.

Hazards: If swallowed, in the event of vomiting, risk of product entering the lungs. When inhaled (e.g. during vomiting) risk of pulmonary oedema and/or pneumonia.

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Treatment: Symptomatic treatment (decontamination, vital functions).
Antidote: No known specific antidote.

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:
carbon oxides
Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

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.

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.

7. Handling and Storage

Handling

Do not return residues to the storage containers. Provide good ventilation of working area (local exhaust ventilation if necessary). Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with skin and eyes.

Keep away from food, drink and animal feeding stuffs. Warn users about safety measures and precautions to prevent accidents.

Protection against fire and explosion:

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

Storage

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

Further information on storage conditions: The entrance to storage rooms is to be granted only to appropriately trained personnel. Keep only in the original container. Keep in a cool, well-ventilated place. Protect from frost. Avoid direct sunlight.

8. Exposure controls and personal protection

Components with occupational exposure limits

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)

TWA value 121 mg/m³ ; 25 ppm (OEL (NZ))

Skin Designation (OEL (NZ))

Skin absorption can be significant.

2-aminoethanol, 141-43-5;

STEL value 6 ppm (ACGIHTLV)

TWA value 3 ppm (ACGIHTLV)

TWA value 7.5 mg/m³ ; 3 ppm (OEL (NZ))

STEL value 15 mg/m³ ; 6 ppm (OEL (NZ))

2,2'-iminodiethanol, 111-42-2;

TWA value 1 mg/m³ (ACGIHTLV), Inhalable fraction and vapor

Skin Designation (OEL (NZ))

Skin absorption can be significant.

TWA value 13 mg/m³ ; 3 ppm (OEL (NZ))

Skin Designation (ACGIHTLV), Inhalable fraction and vapor

Danger of cutaneous absorption

Skin Designation (ACGIHTLV), Inhalable fraction and vapor

Danger of cutaneous absorption

Personal protective equipment

Respiratory protection:

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

Hand protection:

Chemical resistant protective gloves (EN 374)

nitrile rubber (Buna N)

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

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

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. 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.

9. Physical and Chemical Properties

Form: liquid
Colour: colourless to amber
Odour: of hydrocarbons, of petroleum

pH value: not applicable

Melting point: not determined

onset of boiling: > 171 °C

Flash point: > 65 °C

Flammability (solid/gas): Combustible liquid.

Lower explosion limit: not determined

Upper explosion limit: 12.7 %(V)

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: 0.930 g/cm³
(20 °C)

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Solubility in water:	emulsifiable	
Miscibility with water:	immiscible	
Viscosity, kinematic:	6.0 mm ² /s (20 °C)	
	(40 °C) not determined	
Flow time:	< 30 s	(DIN EN ISO 2431; 3 mm)

10. Stability and Reactivity

Conditions to avoid:
Avoid direct sunlight.

Substances to avoid:
No substances known that should be avoided.

Hazardous reactions:
None known

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.

11. Toxicological Information

Acute toxicity

Assessment of acute toxicity:
Of low toxicity after single ingestion.

Information on: Benzyl alcohol
Experimental/calculated data:
LD50 rat (oral): 1,620 mg/kg (Directive 84/449/EEC, B.1)

Information on: 2-aminoethanol
Experimental/calculated data:
LD50 rat (oral): 1,089 mg/kg (OECD Guideline 401)

Information on: 2,2'-iminodiethanol
Experimental/calculated data:
LD50 rat (oral): approx. 1,600 mg/kg (BASF-Test)

Information on: Benzyl alcohol
Experimental/calculated data:
LD50 rabbit (dermal): 2,000 mg/kg (EPA OTS 798.1100)

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Information on: 2,2'-iminodiethanol
Experimental/calculated data:
LD50 rabbit (dermal): 13,079 mg/kg

Irritation

Assessment of irritating effects:
Based on the ingredients, there is no suspicion of an irritating effect.

Respiratory/Skin sensitization

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

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:
Possible narcotic effects (drowsiness or dizziness).

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

May also damage the lung at swallowing (aspiration hazard).

12. Ecological Information

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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 (H₂O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: 2-aminoethanol

Elimination information:

> 90 % DOC reduction (21 d) (OECD 301 A (new version)) (aerobic, activated sludge, domestic)

Information on: 2,2'-iminodiethanol

Elimination information:

93 % BOD of the ThOD (28 d) (OECD 301F; ISO 9408; 92/69/EEC, C.4-D) (aerobic, activated sludge, domestic)

Bioaccumulation potential

Bioaccumulation potential:

No data available.

13. Disposal Considerations

Observe national and local legal requirements.

14. Transport Information

Domestic transport:

Packing group:	III
ID number:	UN 3082
Transport hazard class(es):	9, EHSM
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains SOLVENT NAPHTHA)

Further information

Hazchem Code:3Z

IERG Number:47

Sea transport

IMDG

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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 SOLVENT NAPHTHA)

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 SOLVENT NAPHTHA)

15. Regulatory Information

Other regulations

Xn - Harmful.

Carc. Cat. 3 - Carcinogenic substances Category 3: Substances which cause concern for man owing to possible carcinogenic effects.

N - Dangerous for the environment.

Xi - Irritant.

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: HSR002525

Cleaning Products (Combustible) Group Standard 2017

16. Other Information

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.