

Safety data sheet

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Chemetall (now part of BASF Group) Safety data sheet

Date / Revised: 17.10.2020

Product: **MS 165**

Version: 1.0

(30722329/SDS_GEN_NZ/EN)

Date of print 26.10.2020

1. Substance/preparation and manufacturer/supplier identification

MS 165

Recommended use: Detergents, Restricted to professional users.

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:

Skin corrosion/irritation: Cat. 2

Serious eye damage/eye irritation: Cat. 1

Aspiration hazard: Cat. 1

Specific target organ toxicity — single exposure: Cat. 3 (irritating to respiratory system)

Hazardous to the aquatic environment - acute: Cat. 3

Hazardous to the aquatic environment - chronic: Cat. 3

Flammable liquids: Cat. 3

Label elements and precautionary statement:

Pictogram:



Signal Word:

Danger

Hazard Statement:

H318	Causes serious eye damage.
H315	Causes skin irritation.
H412	Harmful to aquatic life with long lasting effects.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H335	May cause respiratory irritation.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P271	Use only outdoors or in a well-ventilated area.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash contaminated body parts thoroughly after handling.
P242	Use only non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P273	Avoid release to the environment.
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.
P303 + P361 + P353	IF ON SKIN (or hair): Remove or Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P331	Do NOT induce vomiting.

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):

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P501 Dispose of contents and container to hazardous or special waste collection point.

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

Hazardous ingredients

cumene

Content (W/W): $\geq 3\%$ - $< 5\%$	Asp. Tox.: Cat. 1
CAS Number: 98-82-8	Flam. Liq.: Cat. 3
	Acute Tox.: Cat. 5 (oral)
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 2

Paraffins (petroleum), normal C5-20

Content (W/W): $\geq 50\%$ - $< 75\%$	Asp. Tox.: Cat. 1
CAS Number: 64771-72-8	Aquatic Chronic: Cat. 4

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

Content (W/W): $\geq 2\%$ - $< 2.5\%$	Skin Corr./Irrit.: Cat. 2
CAS Number: 68603-42-9	Eye Dam./Irrit.: Cat. 2A

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

Content (W/W): $\geq 1\%$ - $< 2\%$	Eye Dam./Irrit.: Cat. 1
CAS Number: 127087-87-0	

Xylene

Content (W/W): $\geq 2\%$ - $< 2.5\%$	Asp. Tox.: Cat. 1
CAS Number: 1330-20-7	Flam. Liq.: Cat. 3
	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Acute Tox.: Cat. 4 (dermal)
	Skin Corr./Irrit.: Cat. 2
	STOT SE (Respiratory system): Cat. 3 (irr. to respiratory syst.)
	STOT RE: Cat. 2
	Eye Dam./Irrit.: Cat. 2A

Propylheptanoethoxilate

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Content (W/W): $\geq 1\%$ - $< 2\%$ CAS Number: 160875-66-1	Eye Dam./Irrit.: Cat. 1
1,3,5-trimethylbenzene Content (W/W): $\geq 3\%$ - $< 5\%$ CAS Number: 108-67-8	Flam. Liq.: Cat. 3 STOT SE (Respiratory system): Cat. 3 (irr. to respiratory syst.) Aquatic Chronic: Cat. 2
1,2,4-trimethylbenzene Content (W/W): $\geq 7\%$ - $< 10\%$ CAS Number: 95-63-6	Flam. Liq.: Cat. 3 Acute Tox.: Cat. 4 (Inhalation - vapour) Skin Corr./Irrit.: Cat. 2 STOT SE (Respiratory system): Cat. 3 (irr. to respiratory syst.) Aquatic Chronic: Cat. 2 Eye Dam./Irrit.: Cat. 2A
2,2'-iminodiethanol Content (W/W): $\geq 0.2\%$ - $< 0.3\%$ CAS Number: 111-42-2	Acute Tox.: Cat. 4 (oral) 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

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 symptoms persist, seek medical advice.

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 and then drink 200-300 ml of water. Do not induce vomiting. Summon medical aid without delay.

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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.

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Suitable extinguishing media:

carbon dioxide, dry powder, alcohol-resistant foam

Unsuitable extinguishing media for safety reasons:

water

Specific hazards:

carbon oxides, nitrogen oxides

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. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

6. Accidental Release Measures

Personal precautions:

Use personal protective clothing. 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:

Ensure adequate ventilation. Pick up with inert absorbent material (e.g. sand, earth etc.). Take up mechanically and collect in suitable container (adequately labelled) for disposal.

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

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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. Take precautionary measures against static discharges.

Storage

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

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 container tightly closed in a cool, well-ventilated place. Protect from frost. Avoid direct sunlight.

8. Exposure controls and personal protection

Components with occupational exposure limits

cumene, 98-82-8;

TWA value 50 ppm (ACGIHTLV)
STEL value 375 mg/m³ ; 75 ppm (OEL (NZ))
TWA value 125 mg/m³ ; 25 ppm (OEL (NZ))
Skin Designation (OEL (NZ))
Skin absorption can be significant.

Xylene, 1330-20-7;

TWA value 100 ppm (ACGIHTLV)
STEL value 150 ppm (ACGIHTLV)
TWA value 217 mg/m³ ; 50 ppm (OEL (NZ))

1,3,5-trimethylbenzene, 108-67-8;

TWA value 25 ppm (ACGIHTLV)
TWA value 123 mg/m³ ; 25 ppm (OEL (NZ))

1,2,4-trimethylbenzene, 95-63-6;

TWA value 25 ppm (ACGIHTLV)
TWA value 123 mg/m³ ; 25 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 AX)

Hand protection:

Chemical resistant protective gloves (EN 374)

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:

Handle in accordance with good industrial hygiene and safety practice. Eye wash fountains and safety showers must be easily accessible. Take off immediately all contaminated clothing. Keep away from food, drink and animal feeding stuffs. Hands and/or face should be washed before breaks and at the end of the shift.

9. Physical and Chemical Properties

Form:	liquid
Colour:	colourless
Odour:	of hydrocarbons
pH value:	not applicable
Melting point:	not determined
onset of boiling:	145 °C
Flash point:	> 36 °C
Flammability (solid/gas):	Flammable liquid and vapour.
Lower explosion limit:	not determined
Upper explosion limit:	6.0 %(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

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Vapour pressure:	(20 °C) not determined
	(50 °C) not determined
Density:	0.810 g/cm ³ (20 °C)
Solubility in water:	Formation of an emulsion.
Miscibility with water:	immiscible
Viscosity, kinematic:	6.0 mm ² /s (20 °C)
	(40 °C) not determined
Flow time:	Unspecified

10. Stability and Reactivity

Conditions to avoid:

Avoid all sources of ignition: heat, sparks, open flame. Avoid electro-static charge. Avoid heat.

Substances to avoid:

None known during use and storage if used according to instructions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

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:

Based on available Data, the classification criteria are not met.

Information on: cumene

Experimental/calculated data:

LD50 rat (oral): 2,910 mg/kg

Literature data.

Information on: 2,2'-iminodiethanol

Experimental/calculated data:

LD50 rat (oral): approx. 1,600 mg/kg (BASF-Test)

Information on: cumene
Experimental/calculated data:
LD50 rabbit (dermal): 10,578 mg/kg
Literature data.

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

Irritation

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

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:
Causes temporary irritation of the respiratory tract.

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

Ecotoxicity

Assessment of aquatic toxicity:

Harmful to aquatic life. Harmful 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:

Elimination information:

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 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.

Information on: cumene

Elimination information:

70 % BOD of the ThOD (20 d) (ISO 10708) (aerobic, activated sludge, domestic)

Literature data.

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.

Contaminated packaging:

Containers which are not properly emptied must be disposed pursuant to Directive 2008/98/EC

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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 1268
Transport hazard class(es): 3
Proper shipping name: PETROLEUM DISTILLATES, N.O.S.

Further information

Hazchem Code:3Y
IERG Number:14

Sea transport

IMDG

Packing group: III
ID number: UN 1268
Transport hazard class(es): 3
Marine pollutant: NO
Proper shipping name: PETROLEUM DISTILLATES, N.O.S.

Air transport

IATA/ICAO

Packing group: III
ID number: UN 1268
Transport hazard class(es): 3
Proper shipping name: PETROLEUM DISTILLATES, N.O.S.

15. Regulatory Information

Other regulations

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 HSR002528
Cleaning Products (Flammable) Group Standard 2017

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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.