

Safety data sheet

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BASF Safety data sheet according to UN GHS 4th rev.

Date / Revised: 20.09.2019

Product: **SUPERSOL**

Version: 1.0

(ID no. 30722413/SDS_GEN_00/EN)

Date of print 30.01.2020

1. Identification

Product identifier

SUPERSOL

Recommended use: Detergents, Restricted to professional users.

Not recommended use: None known

Details of the supplier of the safety data sheet

Company:

Chemetall (New Zealand) Ltd
664 Rosebank Road Avondale,
Auckland 1026
NEW ZEALAND

Telephone: 008 837 464, +64 9 820 3888

E-mail address: nzadmin@basf.com

Emergency telephone number

Telephone: +61 3 9663 2130

2. Hazards Identification

Classification of the substance or mixture

According to UN GHS criteria

Acute Tox. 4 (oral)
Acute Tox. 5 (dermal)
Acute Tox. 4 (Inhalation - vapour)
Skin Corr./Irrit. 1B
Eye Dam./Irrit. 1
Skin Sens. 1

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Resp. Sens. 1
Muta. 1B
Carc. 1B
Repr. 1B (unborn child)
Repr. 1B (fertility)
STOT SE 3 (Vapours may cause drowsiness and dizziness.)
STOT RE 2
Aquatic Acute 3
Aquatic Chronic 3

For the classifications not written out in full in this section the full text can be found in section 16.

Label elements

Globally Harmonized System, UN (GHS)

Pictogram:



Signal Word:

Danger

Hazard Statement:

H314	Causes severe skin burns and eye damage.
H313	May be harmful in contact with skin.
H332	Harmful if inhaled.
H302	Harmful if swallowed.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.
H373	May cause damage to organs through prolonged or repeated exposure.
H336	May cause drowsiness or dizziness.
H350	May cause cancer.
H340	May cause genetic defects.
H360	May damage fertility. May damage the unborn child.

Precautionary Statements (Prevention):

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P201	Obtain special instructions before use.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P284	In case of inadequate ventilation wear respiratory protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P273	Avoid release to the environment.
P272	Contaminated work clothing should not be allowed out of the workplace.
P260	Do not breathe dust or mist.
P270	Do not eat, drink or smoke when using this product.
P202	Do not handle until all safety precautions have been read and understood.
P281	Use personal protective equipment as required.
P264	Wash with plenty of water and soap thoroughly after handling.

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.
P342 + P311	If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
P308 + P313	IF exposed or concerned: Get medical advice/attention.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P301 + P330 + P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P310	Immediately call a POISON CENTER or doctor/physician.
P330	Rinse mouth.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P363	Wash contaminated clothing before reuse.

Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.

Precautionary Statements (Disposal):

P501	Dispose of contents/container to hazardous or special waste collection point.
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Other hazardsAccording to UN GHS 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.

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3. Composition/Information on Ingredients

Substances

Not applicable

Mixtures

Chemical nature

Hazardous ingredients (GHS)

According to UN GHS criteria

Phenol

Content (W/W): $\geq 15\%$ - $< 20\%$ CAS Number: 108-95-2 EC-Number: 203-632-7 INDEX-Number: 604-001-00-2	Acute Tox. 3 (oral) Acute Tox. 3 (Inhalation - mist) Acute Tox. 3 (dermal) Skin Corr./Irrit. 1B Eye Dam./Irrit. 1 Muta. 2 STOT RE 2 Aquatic Acute 2 Aquatic Chronic 2 H373, H341, H314, H301 + H311 + H331, H401, H411
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Specific concentration limit:

Skin Corr./Irrit. 1B: $\geq 3\%$
 Skin Corr./Irrit. 2: 1 - $< 3\%$
 Eye Dam./Irrit. 2: 1 - $< 3\%$

Sodium hydroxide

Content (W/W): $\geq 2,5\%$ - $< 3\%$ CAS Number: 1310-73-2 EC-Number: 215-185-5 INDEX-Number: 011-002-00-6	Met. Corr. 1 Skin Corr./Irrit. 1A Eye Dam./Irrit. 1 H290, H314
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Specific concentration limit:

Skin Corr./Irrit. 1A: $\geq 5\%$
 Skin Corr./Irrit. 1B: 2 - $< 5\%$
 Skin Corr./Irrit. 2: 0,5 - $< 2\%$
 Eye Dam./Irrit. 2: 0,5 - $< 2\%$

Sodium Dichromate

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Content (W/W): $\geq 0,5\%$ - $< 1\%$	Ox. Sol. 2
CAS Number: 10588-01-9	Carc. 1B
EC-Number: 234-190-3	Muta. 1B
	Repr. 1B
	Skin Corr./Irrit. 1B
	Resp. Sens. 1
	Skin Sens. 1
	Aquatic Acute 1
	Aquatic Chronic 1
	Acute Tox. 2 (by inhalation)
	Acute Tox. 3 (oral)
	STOT RE 1
	Acute Tox. 4 (dermal)
	H272, H301, H312, H314, H317, H330, H334, H340, H350, H360, H372, H410
	<u>Specific concentration limit:</u>
	Resp. Sens. 1: $\geq 0,2\%$
	Skin Sens. 1: $\geq 0,2\%$
	STOT SE 3, irr. to respiratory syst.: $\geq 5\%$

Dichloromethane; Methylene Chloride

Content (W/W): $\geq 50\%$ - $< 75\%$	Skin Corr./Irrit. 2
CAS Number: 75-09-2	Carc. 2
EC-Number: 200-838-9	STOT SE (Central nervous system) 3
REACH registration number: 01- 2119480404-41	(drowsiness and dizziness)
	Eye Dam./Irrit. 2A
	H319, H315, H336, H351

For the classifications not written out in full in this section the full text can be found in section 16.

4. First-Aid Measures

Description of first aid measures

Immediately remove contaminated clothing. Remove affected person from danger area. First aid personnel should pay attention to their own safety. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product.

If inhaled:

Remove the affected individual into fresh air and keep the person calm. Seek medical attention.

On skin contact:

Flush with copious amounts of water for at least 15 minutes. Immediate medical attention required.

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.

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On ingestion:

Rinse mouth and then drink 200-300 ml of water. Do not induce vomiting. If vomiting occurs naturally, keep airway clear. Summon medical aid without delay.

Most important symptoms and effects, both acute and delayed

Symptoms: 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: May cause severe burns of the mouth and throat if orally ingested, as well as a danger of perforation of the oesophagus and the stomach.

Indication of any immediate medical attention and special treatment needed

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

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:

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

Unsuitable extinguishing media for safety reasons:

water jet

Special hazards arising from the substance or mixture

carbon oxides, chromium oxides, chlorine compounds

When dry, the substance/product is oxidising.

Advice for fire-fighters

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, protective equipment and emergency procedures

Use personal protective clothing. Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

Environmental precautions

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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 and material for containment and cleaning 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

Precautions for safe handling

Provide basic employee training to prevent/minimize exposures. Do not return residues to the storage containers. Provide good ventilation of working area (local exhaust ventilation if necessary). To avoid the risk of fire, do not allow this product to dry out. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid aerosol formation. Avoid inhalation of vapour and spray mist. 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. Substance/product in the dry state promotes fires.

Conditions for safe storage, including any incompatibilities

Segregate from combustible materials. Segregate from bases.

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. Avoid direct sunlight. avoid contact with metals

Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

8. Exposure Controls/Personal Protection

Control parameters

Components with occupational exposure limits

108-95-2: Phenol

75-09-2: Dichloromethane; Methylene Chloride

Exposure controls

Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. (Combination filter EN 14387 ABEK)

Hand protection:

fluoroelastomer (Viton)

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).

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.

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

Avoid exposure - obtain special instructions before use. Handle in accordance with good industrial hygiene and safety practice. Eye wash fountains and safety showers must be easily accessible. Do not breathe vapour/spray. 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

Information on basic physical and chemical properties

Form:	liquid
Colour:	dark brown
Odour:	ether-like
pH value:	< 10,5 (20 °C) (undiluted)
Melting point:	not determined
onset of boiling:	> 48 °C
Flash point:	not applicable
Flammability:	not applicable
Lower explosion limit:	not determined
Ignition temperature:	not determined

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Vapour pressure:	(20 °C) not determined
	(50 °C) not determined
Density:	1,160 g/cm ³ (20 °C)
Viscosity, kinematic:	6,0 mm ² /s (20 °C)
	(40 °C) not determined
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating

Other information

Self heating ability:	It is not a substance capable of spontaneous heating.
Miscibility with water:	miscible
Flow time:	Unspecified

10. Stability and Reactivity

Reactivity

Dried product promotes spreading of fire.

Chemical stability

The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions

Reacts as a strong oxidizing agent with all oxidizable organic and inorganic substances. Fire hazard.
Reacts with metals, with evolution of hydrogen.

Conditions to avoid

Avoid drying-out. Avoid direct sunlight.

Incompatible materials

Substances to avoid:
reducing agents, flammable, oxidizable substances, organic substances

Hazardous decomposition products

:
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

Information on toxicological effects

Acute toxicity

Assessment of acute toxicity:

Of moderate toxicity after short-term inhalation. Of moderate toxicity after single ingestion. Of low toxicity after short-term skin contact.

Information on: Phenol

Experimental/calculated data:

LD50 rat (dermal): 660 mg/kg (similar to OECD guideline 402)

Literature data. The European Union (EU) has classified this substance as 'toxic'.

Irritation

Assessment of irritating effects:

Corrosive! Damages skin and eyes. May cause severe damage to the eyes.

Respiratory/Skin sensitization

Assessment of sensitization:

The substance may cause sensitization of the respiratory tract. Sensitization after skin contact possible.

Germ cell mutagenicity

Assessment of mutagenicity:

Capable of causing genetic defects.

Carcinogenicity

Assessment of carcinogenicity:

The substance caused cancer in animal studies.

Reproductive toxicity

Assessment of reproduction toxicity:

Causes impairment of fertility in laboratory animals. The substance caused malformations/developmental toxicity in laboratory animals.

Developmental toxicity

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Assessment of teratogenicity:

The substance caused malformations/developmental toxicity in laboratory animals.

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:

Repeated exposure may affect certain organs.

Aspiration hazard

No aspiration hazard expected.

12. Ecological Information

Toxicity

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.

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: Phenol

Elimination information:

85 % BOD of the ThOD (28 d) (OECD 301C; ISO 9408; 92/69/EEC, C.4-F) (aerobic, Inoculum conforming to MITI requirements (OECD 301C)) Readily biodegradable.

Bioaccumulative potential

Bioaccumulation potential:

No data available.

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Mobility in soil

Assessment transport between environmental compartments:
Adsorption in soil: No data available.

Results of PBT and vPvB assessment

According to Annex XIII of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.

Other adverse effects

The product does not contain substances that are listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

13. Disposal Considerations

Waste treatment methods

Observe national and local legal requirements.

Waste key:

Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

Contaminated packaging:

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

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

14. Transport Information

Land transport

ADR

UN number	UN2810
UN proper shipping name:	TOXIC LIQUID, ORGANIC, N.O.S. (contains PHENOL, DICHLOROMETHANE)
Transport hazard class(es):	6.1
Packing group:	II
Environmental hazards:	no
Special precautions for user:	Tunnel code: D/E

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RID

UN number UN2810
UN proper shipping name: TOXIC LIQUID, ORGANIC, N.O.S. (contains PHENOL, DICHLOROMETHANE)
Transport hazard class(es): 6.1
Packing group: II
Environmental hazards: no
Special precautions for user:

Inland waterway transport**ADN**

UN number UN2810
UN proper shipping name: TOXIC LIQUID, ORGANIC, N.O.S. (contains PHENOL, DICHLOROMETHANE)
Transport hazard class(es): 6.1
Packing group: II
Environmental hazards: no
Special precautions for user:

Transport in inland waterway vessel

Not evaluated

Sea transport**IMDG**

UN number: UN 2810
UN proper shipping name: TOXIC LIQUID, ORGANIC, N.O.S. (contains PHENOL, DICHLOROMETHANE)
Transport hazard class(es): 6.1
Packing group: II
Environmental hazards: no
Marine pollutant: NO
Special precautions for user:

Air transport**IATA/ICAO**

UN number: UN 2810
UN proper shipping name: TOXIC LIQUID, ORGANIC, N.O.S. (contains PHENOL,

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DICHLOROMETHANE)
 Transport hazard class(es): 6.1
 Packing group: II
 Environmental hazards: No Mark as dangerous for the environment is needed
 Special precautions for user:

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

Regulation: Not evaluated
 Shipment approved: Not evaluated
 Pollution name: Not evaluated
 Pollution category: Not evaluated
 Ship Type: Not evaluated

15. Regulatory Information

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

Not applicable

16. Other Information

Full text of classifications, hazard symbols and hazard statements, if mentioned in section 2 or 3:

Acute Tox.	Acute toxicity
Skin Corr./Irrit.	Skin corrosion/irritation
Eye Dam./Irrit.	Serious eye damage/eye irritation
Skin Sens.	Skin sensitization
Resp. Sens.	Respiratory sensitization
Muta.	Germ cell mutagenicity
Carc.	Carcinogenicity
Repr.	Reproductive toxicity
STOT SE	Specific target organ toxicity — single exposure
STOT RE	Specific target organ toxicity — repeated exposure
Aquatic Acute	Hazardous to the aquatic environment - acute
Aquatic Chronic	Hazardous to the aquatic environment - chronic
Met. Corr.	Corrosive to metals
Ox. Sol.	Oxidising solids
H373	May cause damage to organs through prolonged or repeated exposure.
H341	Suspected of causing genetic defects.
H314	Causes severe skin burns and eye damage.
H301 + H311 + H331	Toxic if swallowed, in contact with skin or if inhaled
H401	Toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H290	May be corrosive to metals.
H272	May intensify fire; oxidizer.
H301	Toxic if swallowed.
H312	Harmful in contact with skin.

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H317	May cause an allergic skin reaction.
H330	Fatal if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H340	May cause genetic defects.
H350	May cause cancer.
H360	May damage fertility or the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H410	Very toxic to aquatic life with long lasting effects.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.

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.

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