



SAFETY DATA SHEET

Date / Revised: 27.01.2023 Version: 5.0

Product: **Dehypon® LS 54**

(30528519/SDS_GEN_AU/EN)

Date of print: 13.02.2023

1. Substance/preparation and manufacturer/supplier identification

Product name:

Dehypon® LS 54

Use: Raw material for the chemical-technical industry

Manufacturer/supplier:

Conservation Supplies Australia
G 02/59 Great Buckingham Street
Redfern NSW 2016
Telephone: +61(0)283675920

Emergency information:

Emergency Advice Number: 1800 803 440 (24h) [within Australia] BASF
Emergency Advice Number: + 61 3 8855 6666 [outside Australia]

2. Hazard identification

Classification of the substance and mixture:

Acute toxicity: Cat.5 (oral)

Skin corrosion/irritation: Cat.3

Hazardous to the aquatic environment - acute: Cat.2

Hazardous to the aquatic environment - chronic: Cat.3

Label elements and precautionary statement:

Signal Word:

Warning

Hazard Statement:

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H316	Causes mild skin irritation.
H303	May be harmful if swallowed.
H412	Harmful to aquatic life with long lasting effects.
H401	Toxic to aquatic life.

Precautionary Statements (Prevention):

P273 Avoid release to the environment.

Precautionary Statements (Response):

P312 Call a POISON CENTER or physician if you feel
unwell. P332 + P313 If skin irritation occurs: Get medical attention.

Precautionary Statements (Disposal):

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

Other hazards which do not result in classification:

No specific dangers known, if the regulations/notes for storage and handling are considered.

This surfactant complies 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.

3. Composition/information on ingredients

Chemical nature

Substance nature: Substance

Alcohols, C12-14, ethoxylated propoxylated

CAS Number: 68439-51-0

4. First-Aid Measures

On skin contact:

Wash thoroughly with soap and water. If irritation develops, seek medical attention.

Note to physician:

Symptoms: (Further) symptoms and / or effects are not known so far

5. Fire-Fighting Measures

Suitable extinguishing media:

water spray, dry powder, foam

Specific hazards:

harmful vapours, carbon oxides

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.



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Special protective equipment:

Wear a self-contained breathing apparatus.

Further information:

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental Release Measures

Personal precautions:

Use personal protective clothing. Information regarding personal protective measures, see section 8.

Environmental precautions:

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Methods for cleaning up or taking up:

For large amounts: Dike spillage. Pump off product. For residues: Pick up with suitable absorbent material.

Dispose of absorbed material in accordance with regulations.

Additional information: High risk of slipping due to leakage/spillage of product. Forms slippery surfaces with water.

7. Handling and Storage

Handling

No special measures necessary provided product is used correctly.

Protection against fire and explosion: No special precautions necessary.

Storage

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Stove-lacquer RDL 50, Stainless steel 1.4301 (V2), Stainless steel 1.4306 (V2A), Stainless steel 1.4361, Stainless steel 1.4401, Stainless steel 1.4439, Stainless steel 1.4539, Stainless steel 1.4541, Stainless steel 1.4571

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

Storage stability:

Storage temperature: $\leq 70\text{ }^{\circ}\text{C}$

The packed product is not damaged by low temperatures or by frost. Bulk must be protected from solidification.

Protect from temperatures above: $70\text{ }^{\circ}\text{C}$

Properties of the product change irreversibly on exceeding the limit temperature.

8. Exposure controls and personal protection

Components with occupational exposure limits

No substance specific occupational exposure limits

known. Engineering Controls

Advice on system design:

No special precautions necessary.

Personal protective equipment

Respiratory protection:

Respiratory protection in case of vapour/aerosol release. Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

Hand protection:

Chemical resistant protective gloves

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

nitrile rubber (NBR) - 0.4 mm coating thickness

Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.

Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:

Safety glasses with side-shields.

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures:

Wearing of closed work clothing is recommended. No eating, drinking, smoking or tobacco use at the place of work. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Form:	liquid
Colour:	yellowish
Odour:	product specific
Odour threshold:	not determined
pH value:	6.0 – 7.5 (DIN EN 1262) (Potassium chloride solution 0,03%, 1 %(m))



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pour point:	-10 °C	(DIN ISO 3016)
solidification point:	< 5 °C	(DIN ISO 2207)
Boiling point:	> 250 °C	
Flash point:	approx. 200 °C	(ISO 2592)
Evaporation rate:	Value can be approximated from Henry's Law Constant or vapor pressure.	
Flammability (solid/gas):	hardly combustible	
Lower explosion limit:	For liquids not relevant for classification and labelling., The lower explosion point may be 5 - 15 °C below the flash point.	
Upper explosion limit:	For liquids not relevant for classification and labelling.	
Ignition temperature:	> 300 °C	
Thermal decomposition:	> 300 °C	
Self ignition:	not self-igniting	
Self heating ability:	It is not a substance capable of spontaneous heating according to UN transport regulations class 4.2.	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	< 0.1 hPa	
Density:	approx. 0.97 g/cm ³ (20 °C)	(DIN 51757)
	approx. 0.94 g/cm ³ (70 °C)	(DIN 51757)
Relative density:	approx. 0.97 (20 °C)	
Relative vapour density (air):	not determined	
Solubility in water:	soluble	
Hygroscopy:	Non-hygroscopic	
Solubility (qualitative) solvent(s):	Ethanol soluble	
Partitioning coefficient n-octanol/water (log Pow):	not applicable	
Surface tension:	approx. 29 mN/m (23 °C; 1 g/l)	(DIN EN 14370)
Viscosity, dynamic:	< 20 mPa.s (60 °C)	(DIN EN 12092)
	approx. 60 mPa.s (23 °C)	(DIN EN 12092)

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Other Information:

If necessary, information on other physical and chemical parameters is indicated in this section.

10. Stability and Reactivity

Conditions to avoid:

See SDS section 7 - Handling and storage.

Thermal decomposition: >

300 °C Substances to avoid:

acids, Alkalines, caustics, halogens, reactive chemicals

Hazardous reactions:

No hazardous reactions when stored and handled according to instructions.

Hazardous decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

Chemical stability:

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

Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

11. Toxicological Information

Routes of exposure

Acute oral toxicity

Experimental/calculated data:

LD50rat (oral): > 2,000 - < 5,000 mg/kg (OECD Guideline 401)

Acute inhalation toxicity

LC50 rat (by inhalation):

not determined

Acute dermal toxicity

LD50 rat (dermal): > 5,000 mg/kg (OECD Guideline 402)

Assessment of acute toxicity

Of low toxicity after single ingestion. Virtually nontoxic after a single skin contact.

Symptoms

(Further) symptoms and / or effects are not known so far

Irritation

Assessment of irritating effects:

Not irritating to the eyes. Skin contact causes slight irritation.



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Experimental/calculated data:
Skin corrosion/irritation rabbit: Slightly irritating. (OECD Guideline
404) Serious eye damage/irritation rabbit: non-irritant (Draize test)

Respiratory/Skin sensitization

Assessment of sensitization:
No sensitizing effect.

Experimental/calculated data:
Guinea pig maximization test guinea pig: (OECD Guideline 406)

Germ cell mutagenicity

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

Experimental/calculated data:
Ames-test
Bacteria: negative (OECD Guideline 471)

Carcinogenicity

Assessment of carcinogenicity:
No data available concerning carcinogenic effects.

Reproductive toxicity

Assessment of reproduction toxicity:
No data available.

Developmental toxicity

Assessment of teratogenicity:
No data available.

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

Assessment of repeated dose toxicity:
Repeated oral uptake of the substance did not cause substance-related effects.

Aspiration hazard

No aspiration hazard expected.

12. Ecological Information

Ecotoxicity

Assessment of aquatic toxicity:

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Acutely toxic for aquatic organisms. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Toxicity to fish:

LC50 (48 h) > 1 - < 10 mg/l, *Leuciscus idus* (DIN 38412 Part 15)

Aquatic invertebrates:

EC50 (24 h) > 1 - < 10 mg/l, *Daphnia magna* (OECD Guideline 202, part 1)

Aquatic plants:

EC50 (72 h) > 1 - < 10 mg/l (growth rate), *Desmodium subspicatus* (OECD Guideline 201) acute Effect

EC10 (72 h) > 0.1 - < 1 mg/l (growth rate), *Desmodium subspicatus* (OECD Guideline 201) long-term effect

Microorganisms/Effect on activated sludge:

EC0 > 100 mg/l, *Pseudomonas putida* (OECD Guideline 209) EC0 > 100 mg/l, *Pseudomonas putida* (DIN 38412 Part 8)

Chronic toxicity to fish:

No data available.

Chronic toxicity to aquatic invertebrates:

No observed effect concentration (21 d), 0.1 - < 1 mg/l, *Daphnia magna* (OECD Guideline 211)

Assessment of terrestrial toxicity:

No data available concerning terrestrial toxicity.

Mobility

Assessment transport between environmental compartments:

The substance will not evaporate into the atmosphere from the water surface. Adsorption to solid soil phase is possible.

Persistence and degradability

Assessment biodegradation and elimination (H₂O):

Readily biodegradable (according to OECD criteria).

Elimination information:

> 60 % (28 d) (OECD 301F; ISO 9408; 92/69/EEC, C.4-D) Readily biodegradable (according to OECD criteria). 72.32 % TIC of the ThIC (60 d) (DIN EN ISO 11734) (anaerobic, anaerobic sludge)

Bioaccumulation potential

Assessment bioaccumulation potential: Accumulation in organisms is not to be expected.

Additional information

Add. remarks environm. fate & pathway:

Treatment in biological waste water treatment plants has to be performed according to local and administrative regulations.

13. Disposal Considerations

Must be disposed of or incinerated in accordance with local

regulations. Contaminated packaging:

Uncontaminated packaging can be re-used.

Packs that cannot be cleaned should be disposed of in the same manner as the contents.

14. Transport Information

Domestic transport:

	Not classified as a dangerous good under transport regulations
UN number or ID number	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

Sea transport

IMDG

	Not classified as a dangerous good under transport regulations
UN number or ID number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

Air transport

IATA/ICAO

	Not classified as a dangerous good under transport regulations
UN number or ID number	Not applicable
Proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known



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1. 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.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP): Not Scheduled

Registration status:

AICS, AU

released / listed

2. Other Information

This product is of industrial quality and unless otherwise specified or agreed intended exclusively for industrial use. This includes the mentioned and recommended usage. Any other intended applications should be discussed with the manufacturer. In particular this concerns the application for products that are the object of special standards and regulations.

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.