



Safety Data Sheet

**SPINNER
DOLPHIN**

S L O W H A R D E N E R

Safety Data Sheet dated 9/3/2020, version 1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1. Product identifier
Mixture identification:
Trade name: SPINNER DOLPHIN SLOW HARDENER
CAS number: 39423-51-3
EC number: 500-105-6
REACH number: 01-2119556886-20
- 1.2. Relevant identified uses of the substance or mixture and uses advised against
Recommended use:
Exclusive use professional user / industrial user.
- 1.3. Details of the supplier of the safety data sheet
HIJOS DE A. FERRER DALMAU, S.A.,
Rosalia de Castro, 21 08025 Barcelona SPAIN
Competent person responsible for the safety data sheet:
jaime@ferrer-dalmau.com
- 1.4. Emergency telephone number
Emergency Tel. +34 934874015 (office hours)

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture
EC regulation criteria 1272/2008 (CLP)
-  Warning, Acute Tox. 4, Harmful if swallowed.
 -  Warning, Acute Tox. 4, Harmful in contact with skin.
 -  Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.
 -  Danger, Eye Dam. 1, Causes serious eye damage.

Adverse physicochemical, human health and environmental effects:
No other hazards

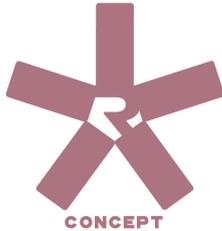
- 2.2. Label elements
Hazard pictograms:



Danger

- Hazard statements:
H302+H312 Harmful if swallowed or in contact with skin.
H411 Toxic to aquatic life with long lasting effects.
H318 Causes serious eye damage.

- Precautionary statements:
P264 Wash with water, Thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.



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P310 Immediately call a POISON CENTER.
P312 Call a POISON CENTER if you feel unwell.
P391 Collect spillage.

Special Provisions:

None

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

Identification of the substance:

CAS number: 39423-51-3

EC number: 500-105-6

REACH number: 01-2119556886-20

3.2. Mixtures

N.A.

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

OBTAIN IMMEDIATE MEDICAL ATTENTION.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Give nothing to eat or drink.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

4.2. Most important symptoms and effects, both acute and delayed

None

4.3. Indication of any immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Spray water.

Carbon dioxide (CO₂).



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Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

7.3. Specific end use(s)

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No occupational exposure limit available

DNEL Exposure Limit Values

Propylidynetrimethanol, propoxylated, reaction products with ammonia - CAS: 39423-51-3

Worker Professional: 1.6 mg/kg - Consumer: 0.8 mg/kg - Exposure: Human Dermal - Frequency:

Long Term, systemic effects

Worker Professional: 14 mg/m³ - Consumer: 3.48 mg/m³ - Exposure: Human Inhalation -

Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

Propylidynetrimethanol, propoxylated, reaction products with ammonia - CAS: 39423-51-3



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Target: Fresh Water - Value: 0.0044 mg/l
Target: Marine water - Value: 0.00044 mg/l
Target: Freshwater sediments - Value: 0.02 mg/kg
Target: Marine water sediments - Value: 0.002 mg/kg
Target: Plant wastewater treatment - Value: 10 mg/l
Target: Soil (agricultural) - Value: 0.002 mg/kg
Target: Intermittent / sporadic - Value: 0.044 mg/l

8.2. Exposure controls

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

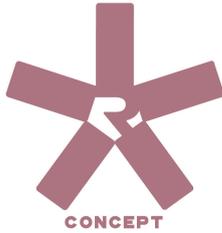
None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Appearance and colour:	Yellowish fluid fluid	--	--
Odour:	Ammoniacal	--	--
Odour threshold:	Not Relevant	--	--
pH:	12 (5,5 %)	--	--
Melting point / freezing point:	N.A.	--	--
Initial boiling point and boiling range:	236 °C	--	--
Flash point:	> 60 ° C	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	Not Relevant	--	--
Upper/lower flammability or explosive limits:	Not Relevant	--	--
Vapour pressure:	Not Relevant	--	--
Vapour density:	N.A.	--	--
Relative density:	0,98	--	--
Solubility in water:	562 kg/m ³	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	320°C	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	70 cP	--	--
Explosive properties:	Not Relevant	--	--
Oxidizing properties:	Not Relevant	--	--

9.2. Other information



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Properties	Value	Method:	Notes:
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	Not Relevant	--	--
Substance Groups relevant properties	N.A.	--	--

SECTION 10: Stability and reactivity

- 10.1. Reactivity
Stable under normal conditions
- 10.2. Chemical stability
Stable under normal conditions
- 10.3. Possibility of hazardous reactions
None
- 10.4. Conditions to avoid
Stable under normal conditions.
- 10.5. Incompatible materials
None in particular.
- 10.6. Hazardous decomposition products
None.

SECTION 11: Toxicological information

- 11.1. Information on toxicological effects
Toxicological information of the substance:
Propylidynetrimehanol, propoxylated, reaction products with ammonia - CAS: 39423-51-3
 - a) acute toxicity
The product is classified: Acute Tox. 4 H302; Acute Tox. 4 H312
Test: LD50 - Route: Oral - Species: Rat 550 mg/Kg bw
Test: LD50 - Route: Skin - Species: Rabbit 1100 mg/Kg bw
 - b) skin corrosion/irritation
Not classified
Based on available data, the classification criteria are not met
 - c) serious eye damage/irritation
The product is classified: Eye Dam. 1 H318
 - d) respiratory or skin sensitisation
Not classified
Based on available data, the classification criteria are not met
 - e) germ cell mutagenicity
Not classified
Based on available data, the classification criteria are not met
 - f) carcinogenicity
Not classified
Based on available data, the classification criteria are not met
 - g) reproductive toxicity
Not classified
Based on available data, the classification criteria are not met
 - h) STOT-single exposure
Not classified
Based on available data, the classification criteria are not met
 - i) STOT-repeated exposure
Not classified
Based on available data, the classification criteria are not met
 - j) aspiration hazard



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Not classified
Based on available data, the classification criteria are not met

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Propylidynetrimethanol, propoxylated, reaction products with ammonia - CAS: 39423-51-3

The product is classified: Aquatic Chronic 2 - H411

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia 13 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae 4 mg/l - Duration h: 72

12.2. Persistence and degradability

Propylidynetrimethanol, propoxylated, reaction products with ammonia - CAS: 39423-51-3

Biodegradability: Non-readily biodegradable - Test: Biodegradability - Duration: 28 days - %: 5

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

None

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions.

In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information



14.1. UN number

ADR-UN Number: 3082

IATA-UN Number: 3082

IMDG-UN Number: 3082

14.2. UN proper shipping name

ADR-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.(Propylidynetrimethanol, propoxylated, reaction products with
ammonia)

IATA-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.(Propylidynetrimethanol, propoxylated, reaction products with
ammonia)



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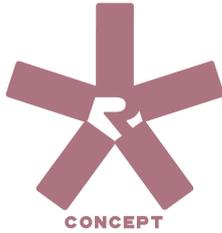
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IMDG-Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Propylidynetrimehanol, propoxylated, reaction products with ammonia)		
14.3. Transport hazard class(es)			
ADR-Class:	9		
ADR - Hazard identification number:	90		
IATA-Class:	9		
IATA-Label:	9		
IMDG-Class:	9		
14.4. Packing group			
ADR-Packing Group:	III		
IATA-Packing group:	III		
IMDG-Packing group:	III		
14.5. Environmental hazards			
ADR-Environmental Pollutant:	Yes		
IMDG-Marine pollutant:	Marine Pollutant		
14.6. Special precautions for user			
ADR-Subsidiary risks:	-		
ADR-S.P.:	274 335 375 601		
ADR-Transport category (Tunnel restriction code):	3 (-)		
IATA-Passenger Aircraft:	964		
IATA-Subsidiary risks:	-		
IATA-Cargo Aircraft:	964		
IATA-S.P.:	A97 A158 A197		
IATA-ERG:	9L		
IMDG-EmS:	F-A , S-F		
IMDG-Subsidiary risks:	-		
IMDG-Stowage and handling:	Category A		
IMDG-Segregation:	-		
14.7. Transport in bulk according to Annex II of Marpol and the IBC Code			
N.A.			

SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
- Dir. 98/24/EC (Risks related to chemical agents at work)
 - Dir. 2000/39/EC (Occupational exposure limit values)
 - Regulation (EC) n. 1907/2006 (REACH)
 - Regulation (EC) n. 1272/2008 (CLP)
 - Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
 - Regulation (EU) n. 2015/830
 - Regulation (EU) n. 286/2011 (ATP 2 CLP)
 - Regulation (EU) n. 618/2012 (ATP 3 CLP)
 - Regulation (EU) n. 487/2013 (ATP 4 CLP)
 - Regulation (EU) n. 944/2013 (ATP 5 CLP)
 - Regulation (EU) n. 605/2014 (ATP 6 CLP)
 - Regulation (EU) n. 2015/1221 (ATP 7 CLP)
 - Regulation (EU) n. 2016/918 (ATP 8 CLP)
 - Regulation (EU) n. 2016/1179 (ATP 9 CLP)
 - Regulation (EU) n. 2017/776 (ATP 10 CLP)
- Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:
- Restrictions related to the product:
 - Restriction 3
 - Restrictions related to the substances contained:
 - No restriction.



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Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)
Regulation (EC) nr 648/2004 (detergents).
Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

N.A.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the substance.

SECTION 16: Other information

Hazard class and hazard category	Code	Description
Acute Tox. 4	3.1/4/Dermal	Acute toxicity (dermal), Category 4
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Aquatic Chronic 2	4.1/C2	Chronic (long term) aquatic hazard, category 2

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities
SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.



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STOT: Specific Target Organ Toxicity.
TLV: Threshold Limiting Value.
TWA: Time-weighted average
WGK: German Water Hazard Class.