

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

1.1. Product identifier

Product form : Mixture
 Product name : Oil Spill Dispersant WB
 Product code : 1110100
 Product group : Alkaline mixture

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Main use category : Industrial use

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Star Marine Chemicals
 Bunschotenweg 134
 3089 KC Rotterdam - The Netherlands
 T +31(0)105925831
info@starmarine.nl - www.starmarine.nl

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Netherlands	Nationaal Vergiftigingen Informatie Centrum	Huispostnummer B.00.118 Postbus 85500 3508 GA Utrecht	+31 30 274 88 88	Only for the purpose of informing medical personnel in cases of acute intoxications

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin corrosion/irritation, Category 1B H314
 Corrosive to metals Not classified
 Full text of H-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS05

Signal word (CLP) : Danger
 Hazardous ingredients : Ethanolamine; Sodium hydroxide
 Hazard statements (CLP) : H314 - Causes severe skin burns and eye damage.
 Precautionary statements (CLP) : P280 - Wear protective gloves, protective clothing, face protection, eye protection.
 P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
 P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P363 - Wash contaminated clothing before reuse.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Alcohols, C12-14, Ethoxylated	(CAS-No.) 68131-39-5 (EC-No.) Polymer	5 - 15	Xn; R22 Xi; R41	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
Ethanolamine	(CAS-No.) 141-43-5 (EC-No.) 205-483-3 (EC Index-No.) 603-030-00-8 (REACH-no) 01-2119486455-28	< 5	Xn; R20/21/22 C; R34	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1B, H314 STOT SE 3, H335 Aquatic Chronic 3, H412
2-(2-butoxyethoxy)ethanol	(CAS-No.) 112-34-5 (EC-No.) 203-961-6 (EC Index-No.) 603-096-00-8 (REACH-no) 01-2119475104-44	< 5	Xi; R36	Eye Irrit. 2, H319
Sodium hydroxide	(CAS-No.) 1310-73-2 (EC-No.) 215-185-5 (EC Index-No.) 011-002-00-6 (REACH-no) 01-2119457892-27	< 5	C; R35	Met. Corr. 1, H290 Skin Corr. 1A, H314

Full text of R- and H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: In all cases of doubt, or when symptoms persist, seek medical attention.
First-aid measures after inhalation	: In case of serious or continuous discomfort, provide fresh air and seek medical advice.
First-aid measures after skin contact	: Wash with plenty of water and if necessary take medical advice.
First-aid measures after eye contact	: Wash with plenty of water and if necessary take medical advice.
First-aid measures after ingestion	: Rinse mouth out with water. Transport to hospital immediately.

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

Symptoms/effects after skin contact	: Pungent. Severe burns. Pain. Redness.
Symptoms/effects after eye contact	: Pungent. Pain. Redness. Blurred vision.
Symptoms/effects after ingestion	: Caustic, lack of breath, vomiting, blisters on lips and tongue, burning pain in mouth and throat, gullet and stomach.

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

None.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water spray, powder, foam, CO ₂ .
Unsuitable extinguishing media	: None.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: None.
Explosion hazard	: None.

5.3. Advice for firefighters

Precautionary measures fire	: No special precautions required.
Firefighting instructions	: No specific firefighting instructions required.
Protection during firefighting	: No specific measures are necessary.
Other information	: None known.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: When using do not eat, drink or smoke. Keep container tightly closed. Keep out of reach of children.
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6.1.1. For non-emergency personnel

No additional information available

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6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : In case the undiluted product is discharged accidentally, neutralize to pH 7.

6.4. Reference to other sections

See Headings 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Handle carefully. Avoid spillage.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed and in well ventilated place. Keep out of frost.

Packaging materials : Do not use metal containers.

7.3. Specific end use(s)

Cleaning product.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Personal protective equipment:

Gloves. Safety glasses. Protective clothing.

Hand protection:

chemical resistant gloves.

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless.
Odour	: Characteristic.
Odour threshold	: No data available
pH	: 13.5
Relative evaporation rate (butylacetate=1)	: 0.3
Melting point	: < 0 °C
Freezing point	: No data available
Boiling point	: 100 - 233 °C
Flash point	: Not applicable.
Critical temperature	: No data available.
Auto-ignition temperature	: 200 °C
Decomposition temperature	: No data available.
Flammability (solid, gas)	: Not applicable.
Vapour pressure	: 2332 kPa at 20 °C.
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.06 kg/l at 20 °C.

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Relative gas density	: Not applicable.
Solubility	: Completely soluble in water.
Log Pow	: No data available
Viscosity, kinematic	: 1 mm ² /s at 20 °C.
Viscosity, dynamic	: 1 mPa·s at 20 °C.
Explosive properties	: Not applicable.
Oxidising properties	: Not applicable.
Explosive limits	: 0.85 - 24.6 vol %

9.2. Other information

VOC content	: 1.27 %
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SECTION 10: Stability and reactivity

10.1. Reactivity

None.

10.2. Chemical stability

Do not bring in contact with acids.

10.3. Possibility of hazardous reactions

Acids.

10.4. Conditions to avoid

Handle carefully. Avoid spillage.

10.5. Incompatible materials

metals.

10.6. Hazardous decomposition products

Do not bring in contact with acids.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Ethanolamine (141-43-5)	
LD50 oral rat	1089 mg/kg
LD50 dermal rabbit	2504 mg/kg
LC50 inhalation rat (mg/l)	11 mg/l/4h

2-(2-butoxyethoxy)ethanol (112-34-5)	
LD50 oral rat	3305 mg/kg
LD50 dermal rabbit	>= 2764 mg/kg
LC50 inhalation rat (mg/l)	>= 50 mg/l/4h

Sodium hydroxide (1310-73-2)	
LD50 oral rat	>= 5000 mg/kg
LD50 dermal rabbit	>= 5000 mg/kg

Alcohols, C12-14, Ethoxylated (68131-39-5)	
LD50 oral rat	< 2000 mg/kg
LC50 inhalation rat (mg/l)	> 5 mg/l

Skin corrosion/irritation	: Causes severe skin burns and eye damage. pH: 13.5
Serious eye damage/irritation	: Serious eye damage, category 1, implicit pH: 13.5
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified

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STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

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Viscosity, kinematic	1 mm ² /s at 20 °C.
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SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: No data available.
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified

Ethanolamine

LC50 fish 1	349 mg/l (Cyprinus carpio, 4d)
EC50 Daphnia 1	65 mg/l
EC50 72h algae (1)	2.1 - 2.8 mg/l
NOEC chronic fish	1.24 mg/l (Oryzias latipes, 41d)
NOEC chronic crustacea	0.85 mg/l (21d)
NOEC chronic algae	1 mg/l (72h)

2-(2-butoxyethoxy)ethanol

LC50 fish 1	1300 mg/l
EC50 Daphnia 1	> 100 mg/l
ErC50 (algae)	> 100 mg/l

Sodium hydroxide

LC50 fish 1	35 - 189 mg/l
EC50 Daphnia 1	33 - 450 mg/l

Alcohols, C12-14, Ethoxylated

LC50 fish 1	< 1 mg/l
ErC50 (algae)	1 - 10 mg/l

12.2. Persistence and degradability

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Persistence and degradability	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.
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12.3. Bioaccumulative potential

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Bioaccumulative potential	No data available.
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12.4. Mobility in soil

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Mobility in soil	WGK 2
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12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Other adverse effects	: No data available.
Additional information	: No data available

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)	: Comply with local regulations for disposal.
Waste treatment methods	: In case the undiluted product is discharged accidentally, neutralize to pH 7.
Product/Packaging disposal recommendations	: Disposal must be done according to official regulations.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR) : UN 1719

14.2. UN proper shipping name

Proper Shipping Name (ADR) : caustic alkali liquid, n.o.s.
Transport document description (ADR) : UN 1719 caustic alkali liquid, n.o.s. (mixture with sodiumhydroxide), 8, II, (E)

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 8
Danger labels (ADR) : 8



14.4. Packing group

Packing group (ADR) : II

14.5. Environmental hazards

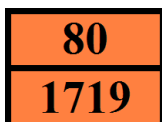
Dangerous for the environment : No
Other information : No supplementary information available

14.6. Special precautions for user

Special transport precautions : Risk of ignition, May react violently with acids.

Overland transport

Hazard identification number (Kemler No.) : 80
Orange plates :



Tunnel restriction code (ADR) : E

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances
Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.
Substance(s) are not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC.

VOC content : 1.27 %

15.1.2. National regulations

Netherlands

SZW-lijst van kankerverwekkende stoffen : 2-(2-butoxyethoxy)ethanol is listed
SZW-lijst van mutagene stoffen : None of the components are listed

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NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

15.2. Chemical safety assessment

No data available

SECTION 16: Other information

Indication of changes:

Section	Changed item	Change	Comments
12.3			
12.6			

Full text of R-, H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed
R22	Harmful if swallowed
R34	Causes burns
R35	Causes severe burns
R36	Irritating to eyes
R41	Risk of serious damage to eyes
C	Corrosive
Xi	Irritant
Xn	Harmful

SDS EU (REACH Annex II)

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product