

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

1.1. Product identifier

Product form	: Mixture
Product name	: Sodium dioctyl sulfosuccinate 70% (Wallasol DIO 70)
Product code	: SODIUM DIO 70
Product group	: Raw material

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
Use of the substance/mixture	: wetting agent

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

INTERCHIMIE
ZAC du Parc
13 rue Louis Blériot
FR- 77290 COMPANS
T T: +33 (0)1 64 77 76 27
qualite@interchimie.fr - www.interchimie.fr

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flammable liquids, Category 3	H226
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 1	H318

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Flammable liquid and vapour. Causes skin irritation. Causes serious eye damage.

2.2. Label elements

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

Hazard pictograms (CLP)	:		
		GHS02	GHS05

Signal word (CLP)	: Danger
Hazardous ingredients	: diisooctyl sulfosuccinate, Na-salt; Ethanol
Hazard statements (CLP)	: H226 - Flammable liquid and vapour. H315 - Causes skin irritation. H318 - Causes serious eye damage.
Precautionary statements (CLP)	: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P280 - Wear protective gloves, protective clothing, eye protection, face protection. P302+P352 - IF ON SKIN: Wash with plenty of soap and water. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P243 - Take action to prevent static discharges. P308+P313 - IF exposed or concerned: Get medical advice.

Sodium dioctyl sulfosuccinate 70% (Wallasol DIO 70)

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

2.3. Other hazards

PBT: not relevant – no registration required

vPvB: not relevant – no registration required

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
diisooctyl sulfosuccinate, Na-salt	(CAS-No.) 577-11-7 (EC-No.) 209-406-4 (REACH-no) 01-2119491296-29	69 - 71	Skin Irrit. 2, H315 Eye Dam. 1, H318
aqua	(CAS-No.) 7732-18-5 (EC-No.) 231-791-2	~ 25	Not classified
Ethanol	(CAS-No.) 64-17-5 (EC-No.) 200-578-6 (EC Index-No.) 603-002-00-5 (REACH-no) 01-2119457610-43	~ 5	Flam. Liq. 2, H225

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Get medical advice/attention if you feel unwell. Never give anything by mouth to an unconscious person.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Assure fresh air breathing. If you feel unwell, seek medical advice.
First-aid measures after skin contact	: If skin irritation or rash occurs: Get medical advice/attention. Take off immediately all contaminated clothing. Gently wash with plenty of soap and water.
First-aid measures after eye contact	: Immediately rinse with water for a prolonged period while holding the eyelids wide open. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting. Get immediate medical advice/attention.

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

Symptoms/effects after skin contact	: Irritation.
Symptoms/effects after eye contact	: Serious damage to eyes.

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

Treat symptomatically. May result in aspiration into the lungs.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Foam. Carbon dioxide. Dry powder.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Flammable liquid and vapour.
Hazardous decomposition products in case of fire	: Carbon dioxide. Carbon monoxide. carbon oxides.

5.3. Advice for firefighters

Firefighting instructions	: Exercise caution when fighting any chemical fire.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection. Self-contained breathing apparatus. Complete protective clothing.
Other information	: Prevent fire fighting water from entering the environment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Ensure adequate air ventilation. Use protective clothing. Spill area may be slippery.
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Sodium dioctyl sulfosuccinate 70% (Wallasol DIO 70)

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Evacuate unnecessary personnel. Do not breathe vapours. Do not breathe dust. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.
Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Notify authorities if product enters sewers or public waters.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of solid materials or residues refer to section 13 : "Disposal considerations". For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Avoid contact with skin and eyes.
Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground/bond container and receiving equipment.
Storage conditions : Store in original container. Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Keep container tightly closed.

7.3. Specific end use(s)

Flammable liquid.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Sodium dioctyl sulfosuccinate 70% (Wallasol DIO 70)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	31.3 mg/kg bodyweight/day (cas n° 577-11-7)
Long-term - systemic effects, inhalation	44.1 mg/m ³ (cas n° 577-11-7)
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	18.8 mg/kg bodyweight/day (cas n° 577-11-7)
Long-term - systemic effects, inhalation	13 mg/m ³ (cas n° 577-11-7)
Long-term - systemic effects, dermal	18.8 mg/kg bodyweight/day (cas n° 577-11-7)
PNEC (Water)	
PNEC aqua (freshwater)	0.0066 mg/l (cas n° 577-11-7)
PNEC aqua (marine water)	0.00066 mg/l (cas n° 577-11-7)
PNEC aqua (intermittent, freshwater)	0.066 mg/l (cas n° 577-11-7)
PNEC (Sediment)	
PNEC sediment (freshwater)	0.653 mg/kg dwt (cas n° 577-11-7)
PNEC (Soil)	
PNEC soil	0.0653 mg/kg dwt (cas n° 577-11-7)

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection:

Sodium dioctyl sulfosuccinate 70% (Wallasol DIO 70)

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

Protective gloves

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
	Butyl rubber	6 (> 480 minutes)	> 0.5		EN 374

Eye protection:

Safety glasses

Type	Use	Characteristics	Standard
Safety glasses			EN 166

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Device	Filter type	Condition	Standard
	Type A - High-boiling (>65 °C) organic compounds		

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless.
Odour	: alcohol odour.
Odour threshold	: No data available
pH	: 5 - 6.5 (10g/L - 20°C)
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: ≈ 65 °C
Flash point	: ≈ 32 °C
Auto-ignition temperature	: NA
Decomposition temperature	: ND
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: ≈ 1 g/cm ³
Relative density	: ND
Solubility	: completely soluble.
Log Pow	: emulsifier
Viscosity, kinematic	: No data available
Viscosity, dynamic	: ≈ 400 mPa.s (20°C)
Explosive properties	: Vapours may form explosive mixture with air.
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable liquid and vapour.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

Sodium dioctyl sulfosuccinate 70% (Wallasol DIO 70)

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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

Sodium dioctyl sulfosuccinate 70% (Wallasol DIO 70)

LD50 oral rat	> 2000 mg/kg calculation method 3.1.3.6.1, annex 1 of the VO1272/2008
Skin corrosion/irritation	: Causes skin irritation. pH: 5 - 6.5 (10g/L - 20°C)
Serious eye damage/irritation	: Causes serious eye damage. pH: 5 - 6.5 (10g/L - 20°C)
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Other information	: The following toxicological data shown are those obtained from tests on products of similar composition.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified
Additional information	: The following toxicological data shown are those obtained from tests on products of similar composition.

Sodium dioctyl sulfosuccinate 70% (Wallasol DIO 70)

LC50 fish 1	10 - 100 mg/l
EC50 Daphnia 1	1 - 10 mg/l
EC50 72h algae (1)	10 - 100 mg/l

12.2. Persistence and degradability

Sodium dioctyl sulfosuccinate 70% (Wallasol DIO 70)

Persistence and degradability	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.
Biodegradation	> 70 % (OECD 301D-28d pour CAS: 577-11-7) - (98% pour CAS : 64-17-5)

12.3. Bioaccumulative potential

Sodium dioctyl sulfosuccinate 70% (Wallasol DIO 70)

Log Pow	emulsifier
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12.4. Mobility in soil

No additional information available

Sodium dioctyl sulfosuccinate 70% (Wallasol DIO 70)

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

12.5. Results of PBT and vPvB assessment

Sodium dioctyl sulfosuccinate 70% (Wallasol DIO 70)

PBT: not relevant – no registration required

vPvB: not relevant – no registration required

12.6. Other adverse effects

Other adverse effects : CH - Water hazard class (WGK). WGK 2 = water hazard.

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Additional information : Flammable vapours may accumulate in the container.

SECTION 14: Transport information

In accordance with ADR

ADR

14.1. UN number

1993

14.2. UN proper shipping name

FLAMMABLE LIQUID, N.O.S. (ethanol (ethyl alcohol))

Transport document description

UN 1993 FLAMMABLE LIQUID, N.O.S. (ethanol (ethyl alcohol)), 3, III, (D/E)

14.3. Transport hazard class(es)

3



14.4. Packing group

III

14.5. Environmental hazards

Dangerous for the environment : No

No supplementary information available

14.6. Special precautions for user

- Overland transport

Classification code (ADR)	: F1
Special provisions (ADR)	: 274, 601
Limited quantities (ADR)	: 5I
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P001, IBC03, LP01, R001
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T4
Portable tank and bulk container special provisions (ADR)	: TP1, TP29
Tank code (ADR)	: LGBF
Vehicle for tank carriage	: FL
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Special provisions for carriage - Operation (ADR)	: S2
Hazard identification number (Kemler No.)	: 30

Sodium dioctyl sulfosuccinate 70% (Wallasol DIO 70)

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

Orange plates

:



Tunnel restriction code (ADR)

: D/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

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	Sodium dioctyl sulfosuccinate 70% (Wallasol DIO 70) - diisooctyl sulfosuccinate, Na-salt - Ethanol
3(a) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F	Sodium dioctyl sulfosuccinate 70% (Wallasol DIO 70) - Ethanol
3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	Sodium dioctyl sulfosuccinate 70% (Wallasol DIO 70) - diisooctyl sulfosuccinate, Na-salt
40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.	Sodium dioctyl sulfosuccinate 70% (Wallasol DIO 70) - Ethanol

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Seveso Information

: category : FLAMMABLE LIQUIDS

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

A chemical safety assessment has been carried out

SECTION 16: Other information

Data sources

: This MSDS has been established with data of MSDS coming from upstream suppliers.

Full text of H- and EUH-statements:

Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H318	Causes serious eye damage.

SDS EU (REACH Annex II)

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