



SAFETY DATA SHEET

Saturo Detergent

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product name Saturo Detergent
Product number 7206/12164

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

Identified uses Detergent. Cleaning agent.

1.3. Details of the supplier of the safety data sheet

Supplier Nexon Group
Richmond House
Deepdale Enterprise Park
Lincoln
LN2 2LL
01522 500006

1.4. Emergency telephone number**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification****Physical hazards**

Not Classified

Health hazards

Eye Dam. 1 - H318

Environmental hazards

Not Classified

Classification (67/548/EEC or 1999/45/EC)

Xi;R36.

2.2. Label elements**Pictogram**

Signal word Danger

Hazard statements

H318 Causes serious eye damage.

Precautionary statements

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.
P310 Immediately call a POISON CENTER/doctor.

Contains

Sodium Dodecyl Benzene Sulphonate, Alcohols, C13-15, branched and linear, ethoxylated

Detergent labelling

15 - < 30% phosphates, 5 - < 15% anionic surfactants, < 5% enzymes, < 5% non-ionic surfactants, < 5% optical brighteners, < 5% perfumes, Contains 1,2-BENZOISOTHIAZOL-3(2H)-ONE

2.3. Other hazards**SECTION 3: Composition/information on ingredients**

Saturo Detergent

3.2. Mixtures

Sodium Dodecyl Benzene Sulphonate 5-15%	
CAS number: 25155-30-0 EC number: – REACH registration number: 01-2119565112-48-XXXX	
Classification Skin Irrit. 2 - H315 Eye Dam. 1 - H318	Classification (67/548/EEC or 1999/45/EC) Xn;R22. Xi;R38,R41.
Alcohols, C13-15, branched and linear, ethoxylated 1-5%	
CAS number: 157627-86-6 EC number: –	
Classification Acute Tox. 4 - H302 Eye Dam. 1 - H318 Aquatic Chronic 3 - H412	Classification (67/548/EEC or 1999/45/EC) Xn;R22. Xi;R41. R52/53.
ETHANEDIOL <1%	
CAS number: 107-21-1 EC number: 203-473-3	
Classification Acute Tox. 4 - H302	Classification (67/548/EEC or 1999/45/EC) Xn;R22
POTASSIUM HYDROXIDE <1%	
CAS number: 1310-58-3 EC number: 215-181-3 REACH registration number: 01-2119487136-33-XXXX	
Classification Met. Corr. 1 - H290 Acute Tox. 4 - H302 Skin Corr. 1A - H314 Eye Dam. 1 - H318	Classification (67/548/EEC or 1999/45/EC) C;R35 Xn;R22

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

Non-volatile liquid product.

Ingestion

Never give anything by mouth to an unconscious person. Do not induce vomiting. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Give milk instead of water if readily available. Get medical attention immediately.

Skin contact

Remove contaminated clothing. Rinse immediately with plenty of water. Get medical attention promptly if symptoms occur after washing.

Eye contact

Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

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

Inhalation

This is unlikely to occur but symptoms similar to those of ingestion may develop.

Ingestion

May cause stomach pain or vomiting.

Skin contact

Skin irritation.

Eye contact

May cause severe eye irritation.

Saturo Detergent

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

Notes for the doctor

No specific recommendations. If in doubt, get medical attention promptly.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media

None known.

5.2. Special hazards arising from the substance or mixture

Specific hazards

None known.

Hazardous combustion products

Does not decompose when used and stored as recommended.

5.3. Advice for firefighters

Protective actions during firefighting

If risk of water pollution occurs, notify appropriate authorities. Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Wear protective clothing as described in Section 8 of this safety data sheet.

For non-emergency personnel

Prevent further leakage or spillage if safe to do so. Keep away from incompatible products.

For emergency responders

Avoid discharge into drains or watercourses or onto the ground.

6.2. Environmental precautions

Environmental precautions

Collect and dispose of spillage as indicated in Section 13.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Absorb in vermiculite, dry sand or earth and place into containers. Flush spilled material into suitable retaining areas or container with large quantities of water. Inform authorities if large amounts are involved.

6.4. Reference to other sections

Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet. Collect and dispose of spillage as indicated in Section 13. See Section 11 for additional information on health hazards.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Avoid spilling. Avoid contact with skin and eyes.

Advice on general occupational hygiene

When using do not eat, drink or smoke.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Keep above the chemical's freezing point to avoid rupturing the container. Keep container tightly closed.

Storage class

Unspecified storage.

Saturo Detergent

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

ETHANEDIOL

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³(Sk)

Short-term exposure limit (15-minute): WEL 104 mg/m³(Sk)

POTASSIUM HYDROXIDE

Short-term exposure limit (15-minute): WEL 2 mg/m³

WEL = Workplace Exposure Limit

PENTASODIUM TRIPHOSPHATE (CAS: 7758-29-4)

DNEL	Workers - Dermal; Short term systemic effects: 0.375 mg/kg bw/day Workers - Inhalation; Short term systemic effects: 0.661 mg/m ³ Workers - Dermal; Long term systemic effects: 0.375 mg/kg bw/day Workers - Inhalation; Long term systemic effects: 0.661 mg/l General population - Dermal; Short term systemic effects: 0.375 mg/kg General population - Inhalation; Short term systemic effects: 0.66 mg/kg bw/day General population - Oral; Short term systemic effects: 0.75 mg/kg General population - Oral; Long term systemic effects: 0.75 mg/kg bw/day General population - Inhalation; Long term systemic effects: 0.661 mg/m ³ General population - Dermal; Long term systemic effects: 0.375 mg/kg bw/day
PNEC	- Fresh water; 0.005 mg/l - Marine water; 0.005 mg/l - Intermittent release, Fresh water; 0.05 mg/l - Sediment (Freshwater); 0.19 mg/kg dw - Soil; 0.14 mg/kg dw

Sodium Dodecyl Benzene Sulphonate (CAS: 25155-30-0)

DNEL	Workers - Dermal; Long term systemic effects: 170 mg/kg bw/day Workers - Inhalation; Long term systemic effects: 12 mg/m ³ Consumer - Dermal; Long term systemic effects: 85 mg/kg bw/day Consumer - Inhalation; Long term systemic effects: 3 mg/m ³ Consumer - Oral; Long term systemic effects: 0.85 mg/kg bw/day
PNEC	- Fresh water; 0.268 mg/l - Marine water; 0.0268 mg/l - Intermittent release; 0.055 mg/l - STP; 5.6 mg/l - Sediment (Freshwater); 8.1 mg/kg dw - Sediment (Marinewater); 8.1 mg/kg dw - Soil; 35 mg/kg dw

Distyryl Biphenyl Derivative (CAS: 27344-41-8)

DNEL	Workers - Dermal; Long term systemic effects: 53 mg/kg Consumer - Dermal; Long term systemic effects: 19 mg/kg Consumer - Oral; Long term systemic effects: 1.9 mg/kg Workers - Inhalation; Long term systemic effects: 20.5 mg/m ³
PNEC	- Fresh water; 0.0625 mg/l - Marine water; 0.00625 mg/l - Intermittent release; 0.1028 mg/l - STP; 100 mg/l - Sediment (Freshwater); 198000 mg/kg - Sediment (Marinewater); 19800 mg/kg - Soil; 1 mg/kg

8.2. Exposure controls

Protective equipment

Saturo Detergent



Appropriate engineering controls

No specific ventilation requirements.

Eye/face protection

The following protection should be worn: Chemical splash goggles.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Other skin and body protection

Wear appropriate clothing to prevent skin contact.

Respiratory protection

No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Opaque liquid. Liquid.

Colour

White.

Odour

Perfume.

pH

pH (diluted solution): 7-8 @ 1 %

Melting point

> 10°C

Initial boiling point and range

> 100°C @ 760 mm Hg

Relative density

~ 1.21 @ 20°C

Solubility(ies)

Miscible with water.

Viscosity

1750-2200 cP @ 20°C

9.2. Other information

Other information

Not available.

SECTION 10: Stability and reactivity

10.1. Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability

No particular stability concerns.

10.3. Possibility of hazardous reactions

Not known.

10.4. Conditions to avoid

Avoid contact with the following materials: Oxidising agents. Reducing agents.

10.5. Incompatible materials

Materials to avoid

No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

Saturo Detergent

Thermal decomposition or combustion products may include the following substances: Oxides of the following substances: Carbon. Sulphur.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg)

21,739.13043478

Inhalation

This is unlikely to occur but symptoms similar to those of ingestion may develop.

Ingestion

May cause discomfort if swallowed.

Skin contact

Skin irritation should not occur when used as recommended.

Eye contact

Risk of serious damage to eyes.

Acute and chronic health hazards

Repeated exposure may cause chronic eye irritation. Mild dermatitis, allergic skin rash.

Toxicological information on ingredients.

PENTASODIUM TRIPHOSPHATE

Acute toxicity - oral

Acute toxicity oral (LD mg/kg)

2,001.0

Species

Rat

ATE oral (mg/kg)

2,001.0

Acute toxicity - dermal

Acute toxicity dermal (LD mg/kg)

4641.0

Species

Rabbit

ATE dermal (mg/kg)

4641.0

Alcohols, C13-15, branched and linear, ethoxylated

Acute toxicity - oral

Acute toxicity oral (LD mg/kg)

500.0

Species

Rat

SECTION 12: Ecological Information

Ecotoxicity

Environmental information currently available for the ingredients of this preparation indicates that it does not contain any ingredients currently classified as Dangerous for the Environment.

12.1. Toxicity

Not considered toxic to fish.

Saturo Detergent

Ecological information on ingredients.

PENTASODIUM TRIPHOSPHATE

Acute toxicity - fish

LC , : >1850 mg/l,

Acute toxicity - aquatic invertebrates

EC , 48 hours: >100 mg/l, Daphnia magna

Acute toxicity - aquatic plants

ErC50, : 160 mg/l, Desmodesmus subspicatus

Chronic toxicity - fish early life stage

LOEC, 96 hours: 5 mg/l, Fish

Sodium Dodecyl Benzene Sulphonate

Acute toxicity - fish

LC , 96 hours: 1-10 mg/l, Fish

Acute toxicity - aquatic invertebrates

EC , 48 hours: 1-10 mg/l, Daphnia magna

Acute toxicity - aquatic plants

IC , 72 hours: 10-100 mg/l, Algae

Alcohols, C13-15, branched and linear, ethoxylated

Acute toxicity - fish

LC , 96 hours: 1-10 mg/l, Brachydanio rerio (Zebra Fish)

Acute toxicity - aquatic invertebrates

EC , 48 hours: 1-10 mg/l, Daphnia magna

Acute toxicity - aquatic plants

EC , 72 hours: 1-10 mg/l, Scenedesmus subspicatus

Acute toxicity - microorganisms

EC10, : >1000 mg/l, Activated sludge

Chronic toxicity - aquatic invertebrates

NOEC, : >0.1-<1 mg/l,

12.2. Persistence and degradability

Persistence and degradability

The surfactant(s) contained in this product 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.

12.3. Bioaccumulative potential

No data available on bioaccumulation.

12.4. Mobility in soil

Mobility

The product is non-volatile.

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Saturo Detergent

Not applicable.

14.3. Transport hazard class(es)

Transport labels

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information

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

EU legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision comments

Revision is in accordance with Commission Regulation (EC) No 1272/2008

Revision date	10/02/2015
Revision	2
Supersedes date	12/02/2013
SDS number	7206/12164

Risk phrases in full

R22 Harmful if swallowed.
R36 Irritating to eyes.
R38 Irritating to skin.
R41 Risk of serious damage to eyes.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard statements in full

H290 May be corrosive to metals.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H412 Harmful to aquatic life with long lasting effects.