SPOT CLEANER

PRODUCT LABEL AND DATA SHEET **PRODUCT CODE: LPSC**

About Product

Spot Cleaner is an all purpose water based detergent cleaner/degreaser that contains surface reducing agents & alkali builders that effectively remove grease, oils, dust & other soils from laundry, carpets & fabric.

Properties

- Concentrated
- Can Be Used On Most Fabrics
- Areas of use - Laundry.

Colour: Red
Appearance: Liquid
pH: 12-12.5

Density: 1.0 Kg/Lt
Packaging: 1Lt, 5Lt; 25Lt
Smell:Glycol

Storage & Handling

METHOD OF APPLICATION

Spray or pour onto affected area and rub into the fabric. Let the Spot Cleaner work for 5-10min then wash garment in the laundry as usual.

DILUTION RATIO

Use undiluted.

Health & Safety

IF INGESTED, SEEK MEDICAL ATTENTION

Eyes:	Rinse with water. Seek medical care.
Ingestion:	Drink water. Seek medical care.
Skin:	Wash contact area with soap and water.
Inhalation:	Remove patient to fresh air.

IMPORTANT: Always keep product out of children's reach. Ensure that the product lid remains closed and tightened at all times. Keep away from extreme heat and naked flame.

WE DO NOT ACCEPT LIABILITY FOR CLAIMS OF ANY KIND FOR ANY LOSS INCLUDING, WITHOUT LIMITATION, CONSEQUENTIAL LOSS, INJURY OR DAMAGE ARISING FROM THE USE OF THE PRODUCTS WHICH ARE THE SUBJECT MATTER HEREOF.

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SAFETY DATA SHEET

1. Identification of the substance

Product name	:	**SPOT CLEANER**
Product code	:	LPSC
Use of the substance/preparation	:	SPOT CLEANER / Refer to technical data sheet for use thereof

2. Composition/information on ingredients

Chemical characterization : Aqueous mixture

Ingredient name	CAS number	%	EC number	Classification
2,2'-oxybisethanol	111-46-6	<5	203-872-2	Xn; R22
nonylphenol	25154-52-3	<5	246-672-0	Xn; R22 C; R34 N; R50/53
Disodium metasilicate	10213-79-3	<5	229-912-9	C; R34 Xi; R37
alcohols, c9-11, ethoxylated	68439-46-3	<5		Xi; R41
Foam stabilizer		<5		Xi; R41 R52/53

See section 16 for the full text of the R-phrases declared above

Occupational exposure limits, if available, are listed in section 8.

3. Hazards identification

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : Xi; R36/38
N; R51/53

Physical/chemical hazards : No known significant effects or critical hazards.

Human health hazards : Irritating to eyes and skin.

Environmental hazards : Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

See section 11 for more detailed information on health effects and symptoms.

4. First aid measures

Inhalation : Get medical attention if symptoms occur.

Ingestion : Get medical attention if symptoms occur.

Skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Eye contact : Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention.

See section 11 for more detailed information on health effects and symptoms.

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5. Fire-fighting measures

Extinguishing media

Suitable : Use an extinguishing agent suitable for the surrounding fire.

Not suitable : None known.

Special exposure hazards : No specific hazard.

This material is toxic to aquatic organisms. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Remark : None identified.

6. Accidental release measures

Personal precautions : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment.

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Methods for cleaning up : If emergency personnel are unavailable, contain spilled material. For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

7. Handling and storage

Handling : Avoid contact with eyes, skin and clothing. Avoid contact of spilled material and runoff with soil and surface waterways. Wash thoroughly after handling.

Storage : Keep container tightly closed. Keep container in a cool, well-ventilated area.

Packaging materials

Recommended : Use original container.

8. Exposure controls/personal protection

Exposure limit values : Not available.

Occupational exposure controls : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.

Respiratory protection : A respirator is not needed under normal and intended conditions of product use.

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Eye protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

Skin protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

9. Physical and chemical properties

General information

Appearance

Physical state : Liquid. (Clear to slightly hazy liquid.)

Color : Red.

Smell : Glycol

pH : 12 to 12.5 [Basic.]

Boiling point : The lowest known value is 100°C (212°F) (water).

Melting point : May start to solidify at -7.95°C (17.7°F) based on data for: 2,2'-oxybisethanol.

Flammability (solid, gas) : Non-flammable substance.

Vapor pressure : The highest known value is 0.001 kPa (0.01 mm Hg) (at 20°C) (2,2'-oxybisethanol).

Relative density : Weighted average: 1 g/cm^3

Solubility : Easily soluble in cold water, hot water.

Octanol/water partition coefficient : The product is more soluble in water.

Vapor density : The highest known value is 7.59 (Air = 1) (nonylphenol).

Evaporation rate (butyl acetate = 1) : <0.005 (nonylphenol) compared with Butyl acetate.

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10. Stability and reactivity

Stability : The product is stable.

Conditions to avoid : None identified.

Materials to avoid : Not considered to be reactive according to our database.

Hazardous decomposition products : No specific data.

11. Toxicological information

Potential acute health effects

Inhalation : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Skin contact : Irritating to skin.

Eye contact : Irritating to eyes.

Acute toxicity

Product/ingredient name	Test	Result	Route	Species
2,2'-oxybisethanol	LD50	12565 mg/kg	Oral	Rat
	LD50	4400 mg/kg	Oral	Rabbit
	LD50	3300 mg/kg	Oral	Cat.
	LD50	11890 mg/kg	Dermal	Rabbit
nonylphenol	LD50	580 mg/kg	Oral	Rat
	LD50	1231 mg/kg	Oral	Mouse
Disodium metasilicate	LD50	847 mg/kg	Oral	Rat
alcohols, c9-11, ethoxylated	LD50	1378 mg/kg	Oral	Rat
Foam stabilizer	LD50	580 mg/kg	Oral	Rat

Potential chronic health effects

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Inhalation : No specific data.

Ingestion : No specific data.

Skin : No specific data.

Target organs : Contains material which causes damage to the following organs: blood, kidneys, liver, skin, eye, lens or cornea

12. Ecological information

Ecotoxicity data

Ingredient name	Species	Period	Result
2,2'-oxybisethanol	Pimephales promelas (LC50)	96 hour/hours	75200 mg/l
	daphnia (LC50)	96 hour/hours	1 ppm
nonylphenol	Daphnia magna (EC50)	48 hour/hours	0.0848 mg/l
	Daphnia magna (EC50)	48 hour/hours	0.19 mg/l
	Pimephales promelas (LC50)	96 hour/hours	0.128 mg/l
	Pimephales promelas (LC50)	96 hour/hours	0.135 mg/l
	Lepomis macrochirus (LC50)	96 hour/hours	0.209 mg/l
	Oncorhynchus mykiss (LC50)	96 hour/hours	0.221 mg/l

Other ecological information

Persistence/degradability

Ingredient name	Aquatic half-life	Photolysis	Biodegradability
nonylphenol	> 100 day/days	< 28 day/days.	Inherent

Bioaccumulative potential

Ingredient name	$LogP_{ow}$	BCF	Potential
nonylphenol	-	10 to 7700	high

Other adverse effects : Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

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13. Disposal considerations

Methods of disposal : Hazardous chemical waste.
Neutralize caustic ingredients with vinegar or acetic acid or use an alkali spill kit.
Waste must be disposed to a landfill permitted in terms of the Department of Water Affairs and Forestry's minimum requirements for waste disposal to landfill, and the minimum requirements for the handling, classification and disposal of hazardous waste.

14. Transport information

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label	Additional information
ADR / SANS 10228 Class	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	9	III		**Hazard identification number** 90 **Limited quantity** LQ7 **CEFIC Tremcard** 90GM6-III
IMDG Class	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	9	III		**Emergency schedules (EmS)** F-A, S-F
IATA Class	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	9	III		**Quantity limitation - Passenger aircraft - Limited quantity** 30 kg

15. Regulatory information

SANS 10265 / EU Regulations

Hazard symbol/symbols :

Irritant, Dangerous for the environment.

Risk phrases : R36/38- Irritating to eyes and skin.
R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases : S2- Keep out of the reach of children.
S29- Do not empty into drains.
S46- If swallowed, seek medical advice immediately and show this container or label. S61- Avoid release to the environment. Refer to special instructions/Safety data sheets. Classification

Product use : and labeling have been performed according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and the intended use.
- Consumer applications.

16. Other information

Full text of R-phrases referred to in sections 2 and 3 - Europe : R22- Harmful if swallowed.
R34- Causes burns.
R36/38- Irritating to eyes and skin.
R37- Irritating to respiratory system.
R41- Risk of serious damage to eyes.
R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Prepared by : Not available.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.