

SDS Reference BI4242
Version No. 5
Revision Date 26/04/2013
Origination Date 02/06/2009

Safety Data Sheet

REVISION



Product Name LIPSOL DETERGENT PART NO. 40023

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

Product Name LIPSOL DETERGENT PART NO. 40023
Synonym (s)
Intended/Possible Product Use Cleaning and radioactive decontaminant for glassware, ceramics, rubber, plastics, stainless steel and ferrous metals.
Company Identification SciLabware Ltd.
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Stone, Staffordshire, ST15 0SA
United Kingdom
Telephone +44 (0)1785 812121
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterisation

<u>Chemical name</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concentration %</u>
Polystep ESD	68585-34-2	-	Xi: R38, 41	< 5
STEOL DES32	96130-61-9	-	Xi: R38, 41	< 5

3. HAZARDS IDENTIFICATION

Physical & Chemical:

Health: THE PRODUCT IS HARMLESS TO HEALTH IF HANDLED IN THE CORRECT MANNER.

Environmental:

Further Information:

4. FIRST AID MEASURES

General information

Inhalation No special first aid measures necessary.
Skin contact Clean areas of skin affected promptly with plenty of water.
Eye contact In case of contact with eyes, rinse immediately with plenty of water until any irritation subsides. If reaction continues, seek medical advice.
Ingestion Do not induce vomiting. Give copious water to drink and if necessary seek medical advice.
Further information

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5. FIRE FIGHTING MEASURES

General hazard THE PRODUCT IS NON-COMBUSTIBLE

Extinguishing media To suit local surroundings (e.g. water spray, carbon dioxide, foam, chemical powder)

Extinguishing media not to be used ---

Special exposure hazards Decomposition products released in a fire, (oxides of nitrogen, oxides of carbon), should be considered toxic if inhaled.

Protective equipment Wear self-contained breathing apparatus and a chemical resistant suit.

Further information

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up Adhere to personal protective measures.
Take up with absorbent material, e.g. sand, sawdust, into tightly closable containers. Label container and dispose of as prescribed.

Environmental considerations Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once.

Further information

7. HANDLING & STORAGE

Advice on safe handling Handle in accordance with good hygiene and safety practice. Avoid contact with skin and eyes.

Storage conditions Ensure adequate ventilation of the storage area. Keep containers tightly closed, cool and dry.

Further information Use glass, ceramic or plastic containers but NOT polycarbonate.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure controls No Workplace Exposure Limit assigned.

LTEL (8 hour TWA):	ppm	mg/m ³
STEL (15min)	ppm	mg/m ³

Engineering controls Ensure adequate ventilation of working area.

Personal protection Observe normal standards for handling chemicals.
Avoid eye and skin contact.
Wash hands before breaks and after work.
Wear personal protective equipment appropriate to the task (see below).

Eye protection Safety goggles.

Skin protection Impervious gloves.

Respiratory protection Respirator or air fed visor (if ventilation is insufficient).

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Other protection Protective overalls.

Further Information Personal protective equipment should be selected as appropriate to the nature and aggressiveness of the identified hazard(s). It should be regularly inspected for such things as soundness against leaks, bad fitting and possible chemical penetration. Recommended safe user periods should never be exceeded.

9. PHYSICAL & CHEMICAL PROPERTIES

Physical form Solution

Colour Clear liquid

Odour Slight liquid detergent

Molecular weight -

Molecular formula -

pH 10.78 @ 20°C

Boiling pt / range Approx. 100°C

Melting pt / range N/A

General Flammability Non-combustible

Flash point N/A

Autoflammability N/A

Density 1.12 g/cc @ 20°C

Explosive limits N/A

Vapour pressure N/A

Vapour Density N/A

Relative Evaporation Rate (n Butyl Acetate = 1) -

Viscosity -

Water solubility Soluble

Partition coefficient (log P n-octanol / water) -

Additional information

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10. STABILITY & REACTIVITY

Stability	Stable under normal conditions of handling.
Thermal decomposition	Data not supplied.
Conditions to avoid	Data not supplied.
Material to avoid	The product is incompatible with strong oxidising agents, aluminium and zinc.
Hazardous reactions	The product reacts with aluminium and zinc forming hydrogen gas.
Hazardous decomposition products	Data not supplied.
Further information	

11. TOXICOLOGICAL INFORMATION

Acute toxicity	LD ₅₀ rat (oral) > 2000 mg/kg (data for Polystep ESD)
	LD ₅₀ rat (oral) > 2000 mg/kg (data for STEOL DES32)
Dermal compatibility	May cause skin and eye irritation. Non-corrosive to skin according to transcutaneous electrical resistance assay.
Mucous membrane compatibility	May cause irritation to the respiratory tract. May be harmful if ingested in large quantities.
Further information	

12. ECOLOGICAL INFORMATION

Acute toxicity	LC ₅₀ Fish 7 mg/kg / 96 h (data for STEOL DES32)
	EC ₅₀ Daphnia 4.5 mg/l / 48 h (data for STEOL DES32)
	IC ₅₀ Algae 3.5 mg/l (data for STEOL DES32)
Degradability	Product is biodegradable (according to OECD 301 E).
Further information	

13. DISPOSAL CONSIDERATIONS

Advice on disposal	In accordance with national and local authority regulations.
Contaminated packaging	Treat empty containers in the same way as the product or if possible wash out thoroughly and recycle.
Further information	

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14. TRANSPORT INFORMATION

United Nations number The product is not classified for transport
Proper shipping name
Class
Subsidiary risk
Packing group
Marine pollutant
Emergency action code
Hazard Identification Number

15. REGULATORY INFORMATION

Classification & labelling The product is categorised in accordance with the Chemicals (Hazard Information and Packaging for Supply) Regulations (CHIP 3).

Risk phrases -

Safety phrases S24/25 AVOID CONTACT WITH SKIN AND EYES
S37/39 WEAR SUITABLE GLOVES AND EYE/FACE PROTECTION

16. OTHER INFORMATION

General summary

Further information The classification has been determined using the conventional method for preparations.

Sources of data Environmental Science Ltd., Barloworld Scientific and other suppliers' safety data sheets.

Reason for revision Change of regulations and name.

Sections revised 1, 2, 8, 14

This information is based on our present state of knowledge and is intended to describe our products from the point of view of the safety requirements. It should not be construed as guaranteeing specific properties.

Data sheet prepared by Environmental Science Limited.

ChemTrak record: BI4242

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