



SAFETY DATA SHEET

LPS Precision Clean Ready-to-Use

Revision Date: 18 October 2010

Supersedes: 28 May 2005

Section 1 – Identity of the Substance/Preparation and Company/Undertaking

Product Name: LPS PRECISION CLEAN READY-TO-USE

Part Numbers: M27800

Product Use: A ready-to use, alkaline water-based cleaner designed to remove oil and grimy residues from hard surfaces.

Supplier: Geocel Limited, Western Wood Way, Langage Science Park, Plympton, Plymouth, PL7 5BG United Kingdom

TEL: +44 (0)1752 202060

FAX: +44 (0)1752 334384

In Case of Emergency: +001 703-527-3887

Manufacturer: LPS Laboratories, 4647 Hugh Howell Rd., Tucker, GA 30084 (U.S.A.)
<http://www.lpslabs.com>

Section 2 – Hazards Identification

**Human and
Environmental
Hazards**

This preparation is not considered hazardous according to European Union Directives 67/548/EEC and 1999/45/EC.

Section 3 – Composition / Information on Ingredients

INGREDIENT NAME	EC No.	CASRN	Classification	Weight Percent
Disodium metasilicate	229-912-9	6834-92-0	[C] R34 [Xi] R37	<1%
Dipropylene glycol monomethyl ether	252-104-2	34590-94-8	[Xi] R36	1-2%

Section 4 – First Aid Measures

Eyes:	Liquid contact will cause irritation. Flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention if irritation persists.
Skin:	Remove contaminated shoes and clothing. Clean affected area thoroughly with mild soap and water. Do not use ointments. Seek medical attention if irritation persists.
Inhalation:	If spray mist is inhaled, remove to fresh air. If breathing is difficult, give oxygen and get medical attention.
Ingestion:	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If spontaneous vomiting is about to occur, place victim's head below knees. If victim is drowsy or unconscious, place on the left side with head down. Do not leave victim unattended. Seek medical attention immediately.

SAFETY DATA SHEET

LPS Precision Clean Ready-to-Use

Revision Date: 18 October 2010

Supersedes: 28 May 2005

Section 5 – Fire Fighting Measures

Flash point : None **Extinguishing media :** Not applicable
Fire-fighting procedures : No special requirements.

Section 6 – Accidental Release Measures

Precautions to protect environment:	Do not allow entry into drains or watercourses. If this occurs inform the local authorities at once.
Spill Cleanup methods:	Use an absorbent material, eg sand, to mop up residues. See section 13 'Disposal Considerations'.

Section 7 – Handling and Storage

Handling procedures;	Use appropriate personal protective equipment and avoid direct contact with skin.
Storage Precautions:	Keep in original container at ambient temperatures. Do not allow product to freeze. Keep container closed. Keep out of the reach of children.

Section 8 – Exposure Controls / Personal Protection

Component	EC No.	UK LT EXP (8 hrs.)	UK ST EXP (15 min.)	Other
Disodium metasilicate	229-912-9	Not Established	Not Established	Not Established
Dipropylene glycol monomethyl ether	252-104-2	50 ppm(Sk.)	Not Established	100 ppm ACGIH-TLV 150 ppm ACGIH-STEL

Engineering measures	Normal room ventilation is usually adequate. If necessary, use appropriate local exhaust ventilation to keep exposures below the regulated limits.
-----------------------------	--

Personal protective equipment

Eye protection	Safety glasses with side shields conforming to appropriate regulations. Eye wash fountain and emergency shower facilities are recommended.
-----------------------	--

Hand protection Use protective gloves conforming to appropriate regulations. Please observe the instructions regarding permeability and breakthrough time that are provided by the supplier of the gloves. Take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion and the contact time.

Respiratory protection	Typical use of this product under normal conditions does not require the use of respiratory protection. If extended spraying of product will be made under poor ventilation, use appropriate organic vapor filtering respirators
-------------------------------	--

Hygiene measures	Do not soak clothing with this product and continue working without immediately changing clothes and washing skin. Do not reuse clothing until it has been laundered. An eyewash fountain should be available in the work area.
-------------------------	---

Environmental exposure controls	Soak up puddles of product with absorbent material and dispose of according to local regulations.
--	---



SAFETY DATA SHEET

LPS Precision Clean Ready-to-Use

Revision Date: 18 October 2010

Supersedes: 28 May 2005

Section 9 – Physical and Chemical Properties

Appearance:	Liquid	Colour:	Turquoise
Odour:	Citrus.	Evaporation Rate:	1 (H ₂ O=1)
Solubility Description:	100% in water.	Flash Point:	None.
Boiling Point:	100°C(212°F) at 101 kPa	Flash Point Method:	Tag-Closed Cup
Specific Gravity (H₂O=1):	1.01–1.02 at 20 °C	Decomposition Temperature:	Not Established
Vapor Density (air = 1):	>1	Auto ignition temperature:	None.
Vapor Pressure:	~3 kPa @ (25 °C)	Flammable limits (estimated):	LOWER: None. UPPER: None.
Melting Point:	Not Established	Partition Coefficient (octanol/water):	<1
pH:	12.5	Odor Threshold:	Not Established
Heat of combustion:	Not Established	Viscosity:	<3 cSt @ 25°C
Volatiles:	97 - 99%		

Section 10 – Chemical Stability and Reactivity

Chemical Stability:	Product is stable under recommended storage conditions.
Conditions to Avoid:	Temperatures below 0°C.
Incompatibility:	Reactive or incompatible with finely divided metals (such as magnesium “dust”).
Hazardous Decomposition:	Will not occur.
Hazardous Polymerization:	Will not occur.

Section 11 – Toxicological Information

A: General Product Information

An acute toxicity study of this product has not been conducted. Information given in this section relates only to individual constituents contained in this preparation.

B: Component Analysis

Ingredients	EC No.	LC-50	LD-50
Disodium metasilicate	229-912-9	Not Established	1153 mg/kg/oral/rat
Dipropylene glycol monomethyl ether	252-104-2	Not Established	5400 µL/kg/oral/rat



SAFETY DATA SHEET

LPS Precision Clean Ready-to-Use

Revision Date: 18 October 2010

Supersedes: 28 May 2005

Section 12 – Ecological Information

Mobility: Low volatility. Will absorb into soil. **Persistence and degradability:** Biodegradable

Bioaccumulative potential: No bioaccumulation potential **Other adverse effects:** None known.

Component Information

Acute Aquatic Toxicity

Effect on Organisms	Component	EC No.	Test	Species	Results
Acute Toxicity on Fishes	Disodium metasilicate	229-912-9	96-hour EC ₅₀	Brachydanio rerio	3185 mg of 35% solution per litre at pH 10.1
	Dipropylene glycol monomethyl ether	252-104-2	96-hour EC ₅₀	Pimephales promelas	>10,000 mg/L
Acute Toxicity on Daphnia	Dipropylene glycol monomethyl ether	252-104-2	48-hour EC ₅₀	Daphnia magna	1919 mg/L
	Disodium metasilicate	229-912-9	48-hour EC ₅₀	Daphnia magna	4857 mg of 35% solution per litre
Bacterial Inhibition	No Data Available				
Growth inhibition of algae					
Bioaccumulation in fish					

Section 13 – Disposal Considerations

Disposal: Waste must be disposed of in accordance with national and local environmental control regulations.

Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information inaccurate, incomplete, or otherwise inappropriate.

Section 14 – Transportation Information

This product is not classified for the purposes of transportation.



SAFETY DATA SHEET

LPS Precision Clean Ready-to-Use

Revision Date: 18 October 2010

Supersedes: 28 May 2005

Section 15 – Regulatory Information

Warning Symbol(s): None

Risk Phrases: None

Safety Phrases: None

Section 16 – Other Information

User Notes: The purpose of the above information is to describe this product only in terms of Health and Safety requirements. The information given therefore, should not be construed as guaranteeing specific properties or specification. Customers should satisfy themselves as to the suitability and completeness of this information for their own particular use, bearing in mind any other Health and Safety legislation or regulations. The information and recommendations in this publication are to the best of our knowledge reliable. However, nothing herein is construed as a warranty or representation. Statements concerning the use of the products described herein are not to be construed as recommending the infringement of any patent and no liability for infringement arising out of any such use is to be assumed.

Information Sources: ESIS: European Chemical Substances Information
HSE EH40 Occupation Exposure Limits.
Suppliers Safety Data Sheets.

Full R-Phrases R 34 Causes burns.
R 37 Irritating to respiratory system.