



SAFETY DATA SHEET

LPS Precision Clean Concentrate

Revision 5

Revision Date 29/5/07

Supersedes: 23/12/05

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

Product Name: LPS PRECISION CLEAN CONCENTRATE

Part Numbers: M27005, M27025, M27205

Product Use: A concentrated 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 30085 (U.S.A.)
<http://www.lpslabs.com>

Section 2 – Hazards Identification

Human and Environmental Hazards

This preparation is considered hazardous according to European Union Directives 67/548/EEC and 1999/45/EC.

Irritating to eyes and skin.

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	4 - 6%
Dipropylene glycol monomethyl ether	252-104-2	34590-94-8	[Xi] R36	5 - 7%

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: Wash with soap and water. Get 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.



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Section 9 – Physical and Chemical Properties

Appearance:	Liquid.	Colour:	Turquoise
Odour/Taste:	Citrus.	Vapour Pressure:	~3 kPa @ (25 °C)
Solubility Description:	100% in water	Evaporation Rate:	1 (H ₂ O=1)
Boiling Point (°C):	100 @ 101 kPa	Flash Point (°C):	None
Specific Gravity (Water=1):	1.05–1.09 @ 20 °C	Flash Point Method:	Tag-Closed Cup.
Vapour Density (air=1):	>1	Auto Ignition Temperature (°C):	none
V.O.C. Content:	63 g/L	Partition Coefficient (octanol/water):	> 1.0
Flammable limits (estimated):	LOWER: N.E. UPPER: N.E.	Viscosity:	<3 mm ² /second @ 25°C
pH:	13.0		

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	Oral LD50 Rat: 1153 mg/kg; Oral LD50 Mouse: 770 mg/kg
Dipropylene glycol monomethyl ether	252-104-2	Not established	Oral LD50 Rat: 5400 µL/kg; Dermal LD50 Rabbit: 10 mL/kg



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Section 12 – Ecological Information

Mobility: Low volatility. Will absorb into soil. **Persistence and degradability:** 100% biodegradable detergent.

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

Component Information

Acute Aquatic Toxicity

Component	EC No.	Test	Species	Results
Disodium metasilicate	229-912-9	48-hour EC ₅₀	Daphnia magna	4857 mg of 35% solution per litre
		96-hour EC ₅₀	Brachydanio rerio	3185 mg of 35% solution per litre at pH 10.1
Dipropylene glycol monomethyl ether	252-104-2	48-hour EC ₅₀	Daphnia magna	1919 mg/L
		96-hour EC ₅₀	Pimephales promelas	>10,000 mg/L

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.

Section 15 – Regulatory Information

Warning Symbol(s): Xi

Risk Phrases: R-36/38 Irritating to eyes and skin.

Safety Phrases: S-2 Keep out of the reach of children.
S-24/25. Avoid contact with skin and eyes
S-62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
S-28 After contact with skin, wash immediately with plenty of water.



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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.