



LPS LABORATORIES
MSDS
MATERIAL SAFETY DATA SHEET

Section 1 - Product Identification and Use

Manufacturer's Name:
LPS Laboratories

Trade Name:
LPS Precision Clean™

Address (Number Street):
4647 Hugh Howell Road

Chemical Family:
Blended Compound

Address (City, State, Zip):
Tucker, GA 30085-5052

Part Numbers:
02704, 02765, 02728, 02701, 02705, 02755

Telephone Number: 770-934-7800
Emergency Telephone Number: 1-800-424-9300 Chemtrec
Outside U.S.: (703) 527-3887

Recommended Shipping Name:
Compound, Boiler, Preserving Liquid NMFC 50093 SUB 2 BRL/BXS CL55

TSCA Inventory:
All of the ingredients are listed on the TSCA inventory.

HMIS Labeling:
Health: 1
Flammability: 0
Reactivity: 0

Section 2 - Hazardous Ingredients / Identity Information

Ingredients	CAS Numbers	%WW	OSHA PEL	ACGIH TLV	OTHER LIMITS
Sodium Metasilicate	6834-92-0	<4	N.E.	N.E.	None
Dipropylene Glycol Methyl Ether	34590-94-8	<6	100 ppm	100 ppm	150 ppm STEL

Section 3 - Physical / Chemical Characteristics

Boiling point (F°):	Approx. 212°F	Specific gravity (H2O = 1):	1.07 Concentrate
Vapor pressure (mmHg) @ 100°F :	N.A.		1.017 Ready-to-use
Vapor density (Air = 1):	N.A.	Percent volatile by volume (%):	88 Concentrate
Solubility in water:	Complete.		97 Ready-to-use
Appearance and odor:	Clear, turquoise liquid with citrus odor	pH:	13.0 Concentrate.
Evaporation rate (Water = 1):	1.0		12.5 Ready-To-Use

Section 4 - Fire and Explosion Hazard

Flash point (method used): None T.C.C. **Flammable limits (by volume 25° C):** LEL N.A. UEL N.A.
Extinguishing media: None
Special fire fighting procedures: None
Unusual fire and explosive hazards: None

N.E. = Not established
N.A. = Not applicable

Section 5 - Health Hazard Data

Threshold limit value: See section 2.

Primary route(s) of entry: Inhalation, eyes, skin.

Health hazard/effects of over exposure:

Inhalation: Headache, dizziness.

Eyes: Liquid will cause temporary irritation.

Skin: Repeated or prolonged contact may cause drying and defatting of skin.

Medical conditions aggravated by exposure: None known at this time.

Chemicals listed as potential carcinogen: NTP: No IARC: No OSHA: No

Emergency and first aid procedures:

Inhalation: Move to fresh air.

Eyes: Flush eyes with plenty of water, lifting upper and lower lids occasionally. Contact a physician.

Skin: Wash with soap and water; apply medicated skin cream.

Ingestion: Unlikely route of entry. However, if ingested, drink large amounts of water, followed by milk and contact physician immediately.

Section 6 - Reactivity Data

Stability: Stable **Conditions to avoid:** None

Incompatibility (Materials to avoid): Strong oxidizing agents.

Hazardous decomposition products: None known at this time.

Hazardous polymerization: Will not occur.

Section 7 - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled: Remove leaking container and contain spill. Soak up or mop up with absorbent material, such as sand or clay. Do not flush to sewer.

Waste disposal methods: Dispose of in accordance with local, state and federal regulations.

CERCLA Reportable Quantity: N.A.

SARA TITLE III Chemicals: None

Precautions to be taken in handling and storage: Product should be stored above 32°F and below 120°F. Keep containers closed when not in use.

Section 8 - Control Measures

Respiratory Protection: None required if good ventilation is maintained.

Ventilation: Local exhaust should be sufficient to maintain a comfortable work environment.

Protective gloves: Use rubber gloves.

Eye protection: Use safety glasses or goggles.

Other protective equipment: Eye washes and safety showers.

Work/hygienic practices: Wash hands with soap and water after use and/or before breaks, lunch and at the end of work periods.

Remove contaminated clothing and laundry before reuse.

Section 9 - Preparation Date of MSDS

The foregoing technical information and recommendations are compiled from sources that are believed to be accurate and reliable. However, they are supplied without warranty or guarantee of any kind either expressed or implied. The purchaser is responsible for selecting and determining the suitability of products for purchaser's particular needs and we disclaim any responsibility for improper applications or misuse of our products in any manner whatsoever.

January 31, 2003
Fred Fugitt, Technical Services Chemist
Ed Williams, Manager of Research and Development
LPS Laboratories

Form # 2524
MSDS LPS Precision Clean



HEALTH HAZARDS (ACUTE AND CHRONIC)

Acute: Inhalation or contact can cause irritation to eyes, skin, nose or throat to sensitive people. If ingested can cause nausea, vomiting, griping, and diarrhea.

Chronic: See Section III of MSDS.

CARCINOGENICITY: NTP - NO IARC - NO OSHA - NO

Signs and Symptoms of Overexposure

Nausea; vomiting; nose and throat irritation; eye irritation; and skin irritation.

Medical Conditions That Can Be Aggravated by Exposure

Allergies, skin and respiratory disorders. Product sensitivity.

EMERGENCY AND FIRST AID PROCEDURES

- Eyes -** Flush with cool water for 15 minutes while holding eyelid open. If irritation persists, seek medical attention immediately.
- Skin -** Avoid contact with skin. Remove contaminated clothing. Wash affected area thoroughly with soap and water. If irritation persists, seek immediate medical attention.
- Inhalation -** Remove to fresh air. If not breathing, trained personnel should initiate artificial respirations and immediate medical attention should be obtained.
- Ingestion -** Do not induce vomiting. Do not give anything by mouth to an unconscious person. Seek medical attention immediately.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken if Material is Leaked or Spilled

While using appropriate protective equipment, place spilled material in poly drum, or container requirement by local disposal company, and store in a safe place till material can be disposed of in accordance with regulations.

Waste Disposal Method

Dispose of in accordance with local, state, and federal regulations governing your location.

Precautions to be taken during Handling and Storage

Keep container closed when not in use. Store at 60-95°F and out of the sun. Use adequate ventilation to avoid breathing vapors when cover is removed.

Other Precautions

Avoid prolonged skin contact.

SECTION VIII - CONTROL MEASURES

Respiratory Protection: If workplace exposure limit of product is exceeded, a NIOSH/MSHA approved air supplied respirator is required in absence of proper environmental control. Engineering or administrative controls should be implemented to reduce exposure.

VENTILATION:	Local Exhaust	Special
	Use in WELL VENTILATED areas only.	N/A
	Mechanical	Other
	Use only intrinsically safe devices.	N/A
Eye Protection -	Safety glasses or goggles as necessary to prevent eye contact.	Protective Gloves - Impervious. (Nitrile, rubber, or better)

Other Protective Equipment - As needed to minimize contact with skin.

WORK AND HYGIENE PRACTICE

Remove contaminated clothing immediately. Wash hands, after each use and before eating, drinking, or using toiletries. Minimize contact of product on skins.

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. MAPEI Corporation assumes no responsibility for personal injury or property damage to vendees, users, or third parties caused by the material. Such vendees or users assume all risks associated with the use of the material.