



MATERIAL SAFETY DATA SHEET

165-055

1. Product and Company Identification

Material name LPS® Tapmatic® Edge Creme
Version # 01
Issue date 09-05-2013
CAS # Mixture
Part Number 43100, C43100
Product use A metal-cutting fluid designed for cutting and forming applications.
Manufacturer information LPS Laboratories, a division of Illinois Tool Works
4647 Hugh Howell Rd
Tucker, Georgia 30084 United States
www.lpslabs.com
1-800-241-8334/ 770-243-8800
Chemtrec 1-800-424-9300

2. Hazards Identification

Emergency overview WARNING
Causes eye irritation.

Potential health effects

Routes of exposure Eye contact. Skin contact. Ingestion. Inhalation.

Eyes Avoid contact with eyes. May irritate eyes.

Skin Avoid contact with the skin. May cause skin irritation. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

Inhalation Do not breathe dust/fume/gas/mist/vapors/spray. May cause irritation of respiratory tract.

Ingestion Do not ingest. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Signs and symptoms Irritant effects. Symptoms may include redness, edema, drying, defatting and cracking of the skin. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Potential environmental effects Ecological injuries are not known or expected under normal use.

3. Composition / Information on Ingredients

Hazardous components	CAS #	Percent
Cetyl Alcohol	36653-82-4	5 - 10
Arachidyl Alcohol	629-96-9	1 - 5
MYRISTIC ALCOHOL	112-72-1	1 - 5
Non-hazardous components	CAS #	Percent
Alcohols, C10-16,ethoxylated	68002-97-1	10 - 30
SILICA, AMORPHOUS, FUMED	112945-52-5	1 - 5
Other components below reportable levels		60 - 100

4. First Aid Measures

First aid procedures

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.

Skin contact Wash off immediately with plenty of water. Get medical attention if irritation develops and persists.

Inhalation Under normal conditions of intended use, this material is not expected to be an inhalation hazard. If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If symptoms persist, get medical attention.

Ingestion In the unlikely event of swallowing contact a physician or poison control center.

Notes to physician Provide general supportive measures and treat symptomatically.

General advice In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). In case of shortness of breath, give oxygen. Keep victim under observation.

5. Fire Fighting Measures

Flammable properties Not flammable by WHMIS criteria.

Extinguishing media

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

Protection of firefighters

Protective equipment for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Cool containers exposed to heat with water spray and remove container, if no risk is involved.

Explosion data

Sensitivity to static discharge None known.

Sensitivity to mechanical impact None known.

Hazardous combustion products May include oxides of carbon.

6. Accidental Release Measures

Personal precautions Keep unnecessary personnel away. Keep out of low areas. Keep upwind. Ventilate closed spaces before entering them. For personal protection, see section 8 of the MSDS.

Methods for cleaning up Prevent product from entering drains. Stop the flow of material, if this is without risk. Dike far ahead of spill for later disposal. Small Dry Spills: With clean shovel place material into clean, dry container and cover loosely; move containers from spill area. Following product recovery, flush area with water. For waste disposal, see section 13 of the MSDS.

7. Handling and Storage

Handling Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get this material in contact with eyes. Do not get this material in contact with skin. Avoid prolonged exposure. Do not get this material on clothing. Do not use in areas without adequate ventilation. Wear personal protective equipment. Observe good industrial hygiene practices. Wash thoroughly after handling. Use care in handling/storage.

Storage Keep tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Use care in handling/storage.

8. Exposure Controls / Personal Protection

Occupational exposure limits

US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value
Synthetic Amorphous Silica (CAS 112945-52-5)	TWA	0.8 mg/m ³ 20 millions of particle

Engineering controls Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye / face protection If contact is likely, safety glasses with side shields are recommended. Eye wash fountain is recommended.

Skin protection Avoid contact with the skin. Avoid contact with clothing. Normal work clothing (long sleeved shirts and long pants) is recommended. Chemical resistant gloves.

Respiratory protection No personal respiratory protective equipment normally required.

9. Physical & Chemical Properties

Appearance Viscous. Paste.

Physical state Solid.

Form	Solid. Viscous. Paste.
Color	Opaque.
Odor	Slight. Soapy.
Odor threshold	Not established
pH	5.5 - 6.5
Vapor pressure	Not established
Vapor density	Not established
Boiling point	631.4 °F (333 °C) (estimated)
Melting point/Freezing point	Not established
Solubility (water)	Emulsifies
Specific gravity	0.87 - 0.89 @ 20°C
Relative density	Not established
Flash point	> 199.40 °F (> 93.00 °C) Tag Closed Cup
Flammability limits in air, upper, % by volume	Not established
Flammability limits in air, lower, % by volume	Not established
Auto-ignition temperature	Not established
VOC	0 % per State and Federal Consumer Product Regulations
Evaporation rate	Not established
Viscosity	Not established
Percent volatile	15 - 16 %
Partition coefficient (n-octanol/water)	Not established
Other data	
Decomposition temperature	Not established
Explosive limit - lower (%)	Not established
Explosive limit - upper (%)	Not established
Flammability	Not established
Flammability (flash back)	Not established
Heat of combustion	Not established

10. Chemical Stability & Reactivity Information

Chemical stability	Material is stable under normal conditions.
Conditions to avoid	None under normal conditions.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Carbon oxides.
Possibility of hazardous reactions	Hazardous polymerization does not occur.

11. Toxicological Information

Acute effects	Based on available data, the classification criteria are not met.
Local effects	May irritate eyes and skin.
Chronic effects	Prolonged or repeated contact may cause drying, cracking, or irritation.
Carcinogenicity	Based on available data, the classification criteria are not met.
Mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Reproductive effects Based on available data, the classification criteria are not met.
Further information This product has no known adverse effect on human health.

12. Ecological Information

Ecotoxicity Not expected to be harmful to aquatic organisms.
Environmental effects Ecological injuries are not known or expected under normal use.
Persistence and degradability Expected to biodegrade.
Partition coefficient
MYRISTIC ALCOHOL 6.03

13. Disposal Considerations

Disposal instructions This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.
Waste from residues / unused products Avoid discharge into water courses or onto the ground. Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

14. Transport Information

TDG
Not regulated as dangerous goods.

IATA
Not regulated as dangerous goods.

IMDG
Not regulated as dangerous goods.

General This material is not regulated by any mode of transportation.

15. Regulatory Information

Canadian regulations This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

WHMIS status Controlled

WHMIS classification D2B - Other Toxic Effects-TOXIC

WHMIS labeling



Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other Information

NFPA ratings

Health: 1
Flammability: 1
Instability: 0

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.