



1441 Branding Avenue, Suite 110
Downers Grove, IL 60515
PH: 800-353-7773
www.lpms-usa.com

SAFETY DATA SHEET

ISSUE DATE: JUNE 2020

Revision 001.A

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: **Epsilon Melt Tank Cleaner**

Product type: Hot Melt Resin (red)

Restriction of Use: None identified

Company address:

LPMS-USA

1441 Branding Lane, Suite 110

Downers Grove, IL 60515 United States of America

Contact Information:

Telephone: 708-646-8370

MEDICAL EMERGENCY Phone: Poison

Control Center 1-877-671-4608

Transport Emergency Phone: CHEMTREC

1-800-424-9300

www.lpms-usa.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Contact with solid material may cause irritation.

Contact with Molten material will cause thermal burns

Not a dangerous substance or mixture according to OSHA 29 CFR 1910.1200

Appearance: No information available Physical State: Solid Odor: no information available

HAZARD CLASS	HAZARD CATEGORY
Serious eye damage/eye irritation	Category 2A

PICTOGRAMS



Precautionary Statements

Prevention	Wash face, hands and any exposed skin thoroughly after handling.
------------	--



1441 Branding Avenue, Suite 110
Downers Grove, IL 60515
PH: 800-353-7773
www.lpms-usa.com

	Wear protective gloves/protective clothing/eye protection/face protection
Response	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Storage	Not applicable
Disposal	Not applicable

Classification complies with Canadian Hazardous Products Regulations (WHMIS 2015) and is consistent with the provision of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

See Section 11 for additional toxicological information

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	Weight % *
1-Octadecanol	112-95-5	30-60

*Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections

Non-hazardous components

EVA Based Hot Melt Resin

4. FIRST AID MEASURES

Inhalation:	Remove to fresh air
Skin Contact:	Wash skin with soap and water. In case of burns, immediately cool affected skin for as long as possible with cold water. Do not removed clothing if adhering to skin. Removal of solidified molten material from skin requires medical assistance. Consult a physician if necessary.
Eye Contact:	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Ingestion:	Seek medical advice immediately. Do not induce vomiting without medical advice
Symptoms:	No information available

Note to Physicians: Treat symptomatically

Reference to other sections: Section 8: Exposure Controls/Personal Protection Section 11: Toxicological Information

5. FIRE FIGHTING MEASURES

Extinguishing media:	CO2, dry chemical, or foam to extinguish
Special firefighting procedures:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear
Unusual fire or explosion hazards:	Should a spark occur near flammable vapors or airborne dust mixtures, an explosion could occur resulting in an injury or death. This product may retain a static electrical charge, which could produce a spark.
Hazardous combustion products:	Carbon monoxide and Carbon Dioxide



1441 Branding Avenue, Suite 110
Downers Grove, IL 60515
PH: 800-353-7773
www.lpms-usa.com

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions:	Do not allow material to contaminate ground water system
Clean-up methods:	Ensure adequate ventilation. Wear suitable protective clothing, gloves and eye/face protection. Sweep up spilled material. Avoid creating dust. Keep in suitable and closed containers for disposal

7. HANDLING AND STORAGE

Handling:	Do not place wet or damp solid into melt tank. Follow suggested application temperature. Always be careful around molten material. Avoid skin contact with molten resins. Do not wear contact lenses. Avoid dust formation
Storage:	Keep cool in accordance with information on label and in Technical Data Sheets

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed

Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
None	None	None	None	None

Engineering controls:	Ventilation hoods and fans required when working with organic solvents or in hot melt applications. Showers and eyewash stations need to be available and in working order
Respiratory protection:	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
Eye/Face protection:	Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists. Do not wear contact lenses
Skin protection:	Insulated gloves and long-sleeved clothing are strongly recommended when working with molten adhesive.

9. Physical AND CHEMICAL PROPERTIES

Physical state:	Solid pellets
Color:	Red
Odor:	No information available
Odor Threshold:	No information available
pH	Not applicable
Vapor Pressure:	Not applicable
Boiling point/range:	340°C
Melting point/range:	No data available
Specific gravity:	0.88 g/cm ³
Vapor Density:	Not applicable



1441 Branding Avenue, Suite 110
Downers Grove, IL 60515
PH: 800-353-7773
www.lpms-usa.com

Flash point:	170°C
Flammable / Explosive limits – lower:	Not applicable
Flammable / Explosive limits – upper:	Not applicable
Autoignition temperature:	340°C
Flammability:	Not applicable
Evaporation rate:	Not applicable
Solubility in water:	Not applicable
Partition coefficient (n-octanol/water) :	Not available
VOC content :	0.2 g/L
Decomposition temperature :	Not available

10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage conditions
Hazardous reactions :	None under normal use conditions
Hazardous decomposition products :	Carbon dioxide, carbon monoxide, and hydrocarbons
Incompatible materials:	Acids and bases. Oxidizing agents
Reactivity:	Not available
Conditions to avoid:	Do not add water or other volatile material to molten adhesive. Take precautionary measures against static discharge

11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects/Symptoms

Inhalation:	Continuous breathing of vapors above molten resin may irritate mucous membranes. Dusts from solid resin may cause irritation.
Skin Contact:	Molten resin may cause severe burns. Solid adhesive has no hazards.
Ingestion:	Not expected under normal conditions of use. May cause gastrointestinal tract irritation if swallowed.
Eye contact:	Molten resin in eyes will cause severe and permanent damage. The resin could cause irritation if dusts are generated

Hazardous Component(s)	Oral LD50	Dermal LD50	Inhalation LC50
1-Octadecanol 112-92-5	>5 g/kg (Rattus)	>3 g/kg (Oryctolagus cuniculus)	-

Carcinogenicity: This product does not contain any carcinogens or potential carcinogens as listed by ACGIH, OSHA, IARC or NTP at or above 0.1 wt%



1441 Branding Avenue, Suite 110
Downers Grove, IL 60515
PH: 800-353-7773
www.lpms-usa.com

12. ECOLOGICAL INFORMATION

Toxicity

Hazardous Component(s)	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
1-Octadecanol 112-92-5	EC 50: =235mg/L (96h, <i>Desmodesmus subspicatus</i>)	Lc50: >10000mg/L (96h, <i>Brachydanio rerio</i>)		EC50: = 1666mg/L (48h, <i>Daphnia magna</i>)

Persistence and degradability

No information available.

Bioaccumulative potential

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATION

Information provided is for unused product only

Recommended method of disposal:

Follow all local, state, federal and provincial regulations for disposal

Hazardous waste number:

Not a RCRA hazardous waste

14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself and is not specific to any package/configuration.

U.S. Department of Transportation Ground (49 CFR)

Proper shipping name:	Not regulated
Hazard class or division:	None
Identification number:	None
Packing Group:	None

International Air Transportation (ICAO/IATA)

Proper shipping name:	Not regulated
Hazard class or division:	None
Identification number:	None
Packing Group:	None

Water Transportation (IMO/IMDG)



1441 Branding Avenue, Suite 110
Downers Grove, IL 60515
PH: 800-353-7773
www.lpms-usa.com

Proper shipping name:	Not regulated
Hazard class or division:	None
Identification number:	None
Packing Group:	None

15. REGULATORY INFORMATION

Canada Regulatory Information

CEPA DSL/NDSL Status:	Contains one or more components listed on the Non-Domestic Substances List. All other components are listed on or are exempt from listing on the Domestic Substances List. Components listed on the NDSL must be tracked by all Canadian Importers of Record as required by Environment Canada. They may be imported into Canada in limited quantities.
-----------------------	---

United States Regulatory Information

TSCA 8 (b) inventory Status:	All components are listed or are exempt from listing on the Toxic Substances Control Act inventory
SARA 313:	Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372
California Proposition 65:	This product does not contain one or more substances listed on Proposition 65 at or above 0.01 wt. %

Europe Regulatory Information

Restrictions of Use of Hazardous Substances (RoHS) Directive 2011/65/EU

This product does not contain Lead (7439-92-1), Cadmium (7440-43-9), Mercury (7439-97-6), Hexavalent chromium (744-47-3), Polybrominated biphenyls (PBB), and Polybrominated diphenyl ethers (PBDE) above the regulated limit mentioned in this regulation.

EU-Reach (1907/2006 – Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59

This product does not contain a substance(s) on the SVHC as proposed by ECHA above a concentration of 0.1 wt. %

16. OTHER INFORMATION

Prepared by: Terry Ng, Materials Scientist

Issue date: June 5, 2020

DISCLAIMER: The data contained herein are furnished for information only and are believed to be reliable. However, LPMS-USA and its affiliates ("LPMS") does not assume responsibility for any results obtained by persons over whose methods LPMS has no control. It is the user's responsibility to determine the suitability of LPMS products or any production methods mentioned herein for a particular purpose and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any LPMS products. In light of the foregoing, LPMS specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from the sale or use of LPMS's products. LPMS further disclaims any liability for consequential or incidental damages of any kind, including lost profits