

SAFETY DATA SHEET (SDS)

PLASTILEASE 512-B

Responsible Party: Lilly Ram Chemical Products

SDS DATE: 01-01-21

P.O.Box 3337
Ontario, CA 91761-9998

Tel: 909-223-9699

Fax: 909-923-2226

E: composites@lillyram.com

Emergency Telephone number: Transport North America: Chemtrec 1-800-424-9300 acct #20095

This Safety Data Sheet contains environmental, health and toxicology information for your employees. Please make sure this information is given to them. It also contains information to help you meet community Right To Know emergency response reporting requirements under SARA TITLE III and many other laws. If you resell this product, this SDS must be given to the buyer or the information incorporated in your SDS.

Section 1: Product Identification

Product ID: 87-95
Product Name: PLASTILEASE 512-B
Intended Use: Coatings product

Section 2: Hazard(s) Identification

OSHA/HCS status

This material is considered hazardous by the OSHA Hazard Communication Standard(29 CFR 1910.1200).

GHS Classification

Flammable Liquids:	Category 3
Serious Eye Damage / Irritation:	Category 2
Acute Toxicity, Inhalation	Category 5
Acute Toxicity, Oral	Category 3
Specific target organ toxicity- single exposure:	Category 3 (Narcotic effects)
Specific target organ toxicity- repeated exposure:	Category 2
Skin Corrosion / Irritation	Category 2
Toxic To Rreproduction (Fertility)	Category 2
Toxic To Rreproduction (Unborn child)	Category 2

GHS Label Elements

Hazard pictograms:



Signal Word: **Danger**

EMERGENCY OVERVIEW: **Appearance :** Liquid **Color:** Clear , colorless **Odor :** Alcohol-like

Hazard Statements: Highly flammable liquid and vapor.
Causes serious eye irritation.
Causes skin irritation
Suspected of damaging fertility or the unborn child.
May cause drowsiness and dizziness.
May form explosive mixtures with air.

Precautionary Statements

Prevention : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep container tightly closed when not in use.
Avoid breathe fume/ mist/ vapors/ spray
Wash skin thoroughly after handling.
Wear protective gloves/ eye protection/ face protection.

Potential Health Effects, Carcinogenicity:

IARC, ACGIH, NTP, OSHA : No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.
California Prop 65: No

Primary Routes of Exposure:

Inhalation
Ingestion
Skin absorption

This product contains ingredients that may contribute to the following potential acute health effects:

Inhalation Effects: Harmful if inhaled. May affect the brain, nervous system, or respiratory system, causing dizziness, headache, nausea or eye irritation.

Eye Contact: May irritate eyes. May cause moderate eye irritation.

Skin Contact: May cause moderate skin irritation.

Acute Ingestion: None known

Other Effects: None known

This product contains ingredients that may contribute to the following potential chronic health effects: Notice: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. May cause eye damage and pain.

Section 3: Product Composition

Substance/ Mixture:	Mixture	
<u>Hazardous component(s)</u>	<u>CAS#</u>	<u>%Approx wt.</u>
Isopropyl Alcohol	67-63-0	30 - 45
Methyl Ethyl Ketone	78-93-3	0.1 – 1.0
Proprietary Resin	N/A	1 - 5

Specific chemical identity and exact percentages are withheld as Trade Secret.

Section 4: First-Aid Measures

Inhalation: If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention. If affected by inhalation, move victim to fresh air. If symptoms persist, seek medical attention.

Eye Contact:

Check for and remove any contact lenses. In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

Skin Contact:

Remove contaminated clothing and launder before reuse. Remove contaminated shoes and discard. In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. If irritation persists get medical attention.

Ingestion:

If swallowed, get medical attention immediately.

Medical conditions aggravated by exposure: Any respiratory or skin condition.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician :	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments :	No specific treatment.
Protection of first aid personnel:	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

Section 5: Fire-Fighting Measures

SUITABLE EXTINGUISHING MEDIA:	Carbon Dioxide, Dry chemical, foam and/or water fog.
UNSUITABLE EXTINGUISHING MEDIA:	Due not use high volume water jet.
SPECIFIC HAZARDS DURING FIREFIGHTING:	Do not allow run-off from fire fighting to enter drains or water courses.
HAZARDOUS COMBUSTION PRODUCTS:	No hazardous combustion products are known.
SPECIFIC EXTINGUISHING METHODS:	Use a water spray to cool fully closed containers.
FURTHER INFORMATION:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments.
SPECIAL PROTECTIVE EQUIPMENT	
FOR FIREFIGHTERS:	Wear self-contained breathing apparatus for firefighting if necessary.
FLASH POINT:	62°F (17°C) TCC/PM
NFPA Flammable and Combustible Liquids Classification:	Flammable Liquid Class IB

Section 6: Accidental Release Measures

Personal Precautions, protective equipment and emergency procedures:

Use personal protective equipment.
Ensure adequate ventilation.
Evacuate personnel to safe areas.
Remove all sources of ignition.
Be aware of vapors accumulating to form explosive concentrations.
Vapors can accumulate in low areas.
Use only non sparking tools.

Environmental Precautions:

Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and Materials for containment and cleaning up: (e.g. sand, earth, diatomaceous earth, vermiculite)

Contain spillage, and then collect with noncombustible absorbent material, and place in container for disposal according to local/national regulations (see section13). Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Advice on Safe Handling:

Avoid formation of aerosol.
Do not breathe vapors.
Avoid exposure- obtain special instructions before use.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Take precautionary measures against static discharges.
Provide sufficient air exchange and/or exhaust in work rooms.
Open drum carefully as content may be under pressure.
Dispose of rinse water in accordance with local and national regulations.

Conditions for Safe Storage:

Prevent unauthorized access.
No smoking.
Store in a segregated and approved area. Protect from direct sunlight.
Keep container tightly closed in a dry and well ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Observe label precautions.
Electrical installations/working materials must comply with the technological safety standards.

Section 8: Exposure Control / Personal Protection

Components with workplace control parameters

Component	CAS No.	Value type (Form of Exposure)	Permissible Concentration	Basis
Isopropyl Alcohol	67-63-0	TWA	400 ppm	OSHA PEL
		TWA	400 ppm	NIOSH REL
		TWA	200 mg/m ³	ACGIH
		STEL	400 ppm	
Methyl Ethyl Ketone	78-93-3	TWA	200 ppm	OSHA Z-1
		TWA	200 ppm	ACGIH
		STEL	300 ppm	

Personal Protective Equipment

Respiratory Protection:

If exposure cannot be controlled below applicable limits, use the appropriate NIOSH approved respirator such as an air purifying respirator with organic vapor cartridge and dust/mist filter. Consult the respirator manufacturer's literature to ensure that the respirator will provide adequate protection. Read and follow all respirator manufacturer's instructions.

Use only in well-ventilated areas. Ensure adequate ventilation, especially in confined areas. Ovens used for curing should contain a fresh air purge to prevent vapors from accumulating and creating a possible explosive mixture. Where the product is used in a hazardous classified area, use explosion-proof electrical / ventilating / lighting / equipment.

Hand Protection Remarks:

The suitability for a specific workplace should be discussed with the producers of protective gloves.

Eye Protection:

Eye wash bottle with pure water.
Tightly fitting safety goggles.
Wear face-shield and protective suit for abnormal processing situations.

Skin and Body Protection:

Impervious clothing.
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene Measures:

Avoid contact with skin, eyes, and clothing.
When using do not eat or drink.

When using do not smoke.
Wash hands before breaks and immediately after handling the product.

Section 9: Product Properties

Appearance:	Liquid
Color:	Clear, colorless
Odor:	Alcohol - like
Odor threshold:	No data available
pH:	No data available
Freezing Point:	No data Available
Boiling Point:	156°F (69°C)
Flash Point:	62°F (17°C) TCC/PM
Evaporation Rate:	5.6 (butyl acetate = 1.0)
Flammability (solid, gas)	No data available
Upper explosion limit	12%
Lower explosion limit	2%
Vapor pressure	78mm/Hg @ 68°F
Vapor density	2.5 (air = 1.0)
Specific gravity	0.91
Water solubility	soluble in water
Solubility in other solvents	No data available
Partition Coefficient	No data available
Auto Ignition Temperature	No data Available
VOC Content	No data Available
Density	7.57 lbs./gal.

Section 10: Stability and Reactivity

Reactivity:	No dangerous reaction known under conditions of normal use.
Chemical Stability:	Stable under normal conditions.
Possibility of Hazardous Reactions:	Vapors may form explosive mixture with air. Sensitivity to static discharge hazards.
Conditions to Avoid:	Keep away from heat, flames, sparks and other ignition sources.
Incompatibility materials:	Strong oxidizing agents.
Hazardous Decomposition products:	Carbon monoxide, carbon dioxide

Section 11: Toxicological Information

Acute Toxicity

Components:

	<u>67-63-0:</u>	<u>78-93-3:</u>
Acute oral toxicity	LD ₅₀ (rat): >4396 mg/kg;	LD ₅₀ (rat): 2,737 mg/kg;
Acute inhalation toxicity	LC ₅₀ (rat -4h); >72.6 mg/L	LC ₅₀ (mouse -4 h); 320 mg/L
Acute dermal toxicity	LD ₅₀ (rabbit):12870 mg/kg	LD ₅₀ (rabbit): 6,480 mg/kg
Skin corrosion/irritation:	Not irritating to skin	No skin irritation
	4h exposure, in vivo, rabbit	
Serious eye damage/ Irritation	Irritating to eyes	Irritating to eyes
	24h exposure time, rabbit,	
Respiratory or skin Sensitization	Not a skin sensitizer	No effects in lab animals
Germ cell mutagenicity	No effects in lab animals	No effects in lab animals
Carcinogenicity	Not classifiable	Not classifiable
Reproductive toxicity	No effects in lab animals	No effects in lab animals
STOT single exposure	Not data available	Not data available
STOT repeated exposure	Not data available	Not data available

Section 12: Ecological Information

Ecotoxicology assessment

	<u>67-63-0:</u>	<u>78-93-3:</u>
Toxicity to fish	LC50 (Pimephales promelas (fathead minnow)): 9,640 mg/L	LC50 (Pimephales promelas (fathead minnow)): >100 mg/L
Toxicity to daphnia and other aquatic invertebrates	EC50 (Daphnia magna (Water flea): > 10,000 mg/l	EC50 (Daphnia magna (Water flea): > 100 mg/l
Toxicity to algae	No data available	EC50 (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l
Toxic to bacteria	Toxicity threshold (Pseudomonas putida): 1,050 mg/l	
Biodegradability	Readily biodegradable	Readily biodegradable
Mobility in soil	No data available	No data available
Other adverse effects	No data available	No data available

Product

Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone – CAA Section 602 Class 1 Substances
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act section 602 (40 CFR 82, Subpt. A, App.A + B).

Section 13: Disposal Information

Material Disposal: Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations. Do not dispose into the environment, in drains or in water courses. Waste product should not be allowed to contaminate soil or water.

Container Disposal: Drain container thoroughly. After draining, vent in a safe place away from sparks and fire. Refer to Section 7 before handling the product or containers. Residues may cause an explosion hazard. Do not puncture, cut or weld uncleaned drums. Send to drum recoverer or metal reclaimers.

Local Legislation: Disposal should be in accordance with applicable regional, national, and local laws and regulations. Local regulations may be more stringent than regional or national requirements and must be complied with.

Section 14: Transportation Information

IATA: UN 1263, Paint, 3, II
IMDG: UN 1263, Paint, 3, II
DOT: UN 1263, Paint, 3, II

Section 15: Regulatory Information

U.S.Federal Regulations:

<u>Ingredient Name (CAS #)</u>	<u>Approx. Weight%</u>	<u>SARA 302</u>	<u>SARA 313</u>	<u>CERCLA RQ. in lbs.</u>
Methyl Ethyl Ketone (78-93-3)	0.1 – 1.0	No	No	5000

SARA 311/312 Hazard Class:

Acute:	yes
Chronic:	yes
Flammability:	yes
Reactivity:	no
Sudden pressure:	no

U.S.STATE REGULATIONS:

Right to Know: Pennsylvania Code, Chapter 317. METHYL ETHYL KETONE 78-93-3
PROPRIETARY RESIN Trade Secret
ISOPROPYL ALCOHOL 67-63-0
Additional Non-Hazardous Materials : WATER 7732-18-5

Rule 66 status of product: Not photochemically reactive.

California Proposition 65: No.

INTERNATIONAL REGULATIONS - Chemical Inventories

US TSCA Inventory: All components of this product are in compliance with U.S. TSCA Chemical Substance Inventory Requirements.

Canada Domestic Substances List: All components of this product are listed on the Domestic Substances List.

Section 16: Other Information

HMIS: Health: 2 Flammability: 3 Reactivity: 1 PPE: X – see section 8

Disclaimer: The data on this sheet represent typical values. Since application variables are a major factor in product performance, this information should serve only as a general guide. Lilly-Ram assumes no obligation or liability for use of this information. UNLESS LILLY-RAM AGREES OTHERWISE IN WRITING, LILLY-RAM MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENT INFRINGEMENT. LILLY-RAM WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES. Your only remedy for any defect in this product is the replacement of the defective product, or a refund of its purchase price, at our option. This SDS contains additional information required by the state of Pennsylvania.

Preparation Information:
Prepared By: Lilly-Ram Chemical Company, LLC.

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End of Safety Data Sheet.