SAFETY DATA SHEET (SDS)

MOLD RELEASE 225

SDS DATE: 01-01-2021

Section 1: Product Identification

Responsible Party:

Lilly Ram Chemical Products
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This Material 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.

Product ID: 87-X26
Product Name: Mold Release 225
Intended Use: Paint product

Section 2: Hazard(s) Identification

GHS Classification

Flammable Liquids:	Category 3
Skin irritation:	Category 2
Eye Irritation:	Category 2A
Toxic to Reproduction	Category 1B
Specific target organ toxicity- single exposure:	Category 1 (Central Nervous System)
Specific target organ toxicity- single exposure:	Category 3 (Narcotic effects)
Specific target organ toxicity- repeated exposure:	Category 1
Aspiration hazard:	Category

GHS Label Elements

Hazard pictograms:

Signal Word: **Danger**

EMERGENCY OVERVIEW: **Appearance:** Liquid **Color:** Clear, colorless **Odor:** Aromatic Hydrocarbon

Hazard Statements:
Flammable liquid and vapor.
Harmful if swallowed and enters airways.
Causes skin irritation
Causes serious eye irritation.
May damage fertility

May damage the unborn child
Causes damage to organs: (central nervous system (CNS), kidneys, liver,
Respiratory tract irritation, Narcotic effects.

May cause drowsiness and dizziness.
Causes damage to organs through prolonged or repeated exposure.

Precautionary Statements

Prevention: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Use explosion proof electrical, ventilating, and lighting and all material handling equipment.
Use only non-sparking tools
Take precautionary measures against static discharge.
Keep container tightly closed when not in use.
Do not breathe fume/ mist/ vapors/ spray
Wash exposed skin areas thoroughly after handling.
Wear protective gloves/ eye protection/ face protection.

Response: GENERAL: Get medical attention if you feel unwell. If exposed: Call a Poison Center or physician.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or a physician if you feel unwell.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth with water. Give one or two glasses of water. Do not induce vomiting unless told to do so by medical personal. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head lower than hips to prevent aspiration
IF ON SKIN: Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs get medical advice/attention. Wash contaminated clothing prior to reuse.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation occurs/persists contact a physician.

Storage: Store in a well-ventilated place. Keep cool. Store locked up.

Disposal: Dispose of contents/container to an approved waste disposal plant.

Potential Health Effects, Carcinogenicity:

		Component	Approx wt.%	CAS #
IARC	Group 2B: Sufficient animal data	Ethylbenzene	.1 – 1%	100-41-4
ACGIH	Confirmed animal carcinogen with unknown relevance to humans.			
		Ethylbenzene	.1 – 1%	100-41-4
NTP	Some evidence of carcinogenicity in male/female rats or mice			
		Ethylbenzene	.1 – 1%	100-41-4
OSHA	Hazard communication carcinogens - present	Ethylbenzene	.1 – 1%	100-41-4

California Prop 65: Ethylebenzene listed. Initial date 6-1-04 carcinogen

Section 3: Product Composition

	CAS#	%Approx. wt.
Solvent Naphtha, petroleum light aliphatic	64742-89-8	55-70
Isopropyl Alcohol	67-63-0	25-30
Xylene	1330-20-7	1 - 5
Ethylbenzene	100-41-4	.0 - 1

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

Section 4: First-Aid Measures

Eye contact Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention. If necessary, call a poison center or physician.

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. If necessary, call a poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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:	Do not use high volume water jet.
SPECIFIC HAZARDS DURING FIREFIGHTING:	Do not allow run-off from firefighting to enter drains or water courses.
HAZARDOUS COMBUSTION PRODUCTS:	Decomposition products may include carbon dioxide and carbon monoxide. Measurements at temperatures above 150°C in presence of air have shown that small amounts of formaldehyde are formed due to oxidative degradation.
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:	20°F (-7°C)

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
Solvent Naphtha, petroleum light aliphatic	6472-89-8	PEL	500 ppm /2,000 mg/m^3	OSHA Z-1
		TWA	400 ppm	ACGIH
		TWA	400 ppm/1,600 mg/m^3	OSHA Z-1A
Isopropyl Alcohol	67-63-0	TWA	400 ppm	OSHA PEL
		TWA	400 ppm	NIOSH REL
		TWA	200 mg/m^3	ACGIH
		STEL	400 ppm	
Xylene	1330-20-7	TWA	100 ppm	OSHA Z-1
		TWA	100 ppm	ACGIH
		STEL	150 ppm	
Ethylbenzene	100-41-4	TWA	100 ppm	OSHA PEL
		TWA	100 ppm	NIOSH REL
		TWA	20 ppm	ACGIH

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:	Aromatic hydrocarbon
Odor threshold:	No data available
pH:	No data available
Freezing Point:	No data Available
Boiling Range:	180°F (82°C)
Flash Point:	20°F (-7°C)
Evaporation Rate:	2.3 (butyl acetate = 1.0)
Flammability (solid, gas)	No data available
Upper explosion limit	12%
Lower explosion limit	1%
Vapor pressure	103mm/Hg @ 100°F
Vapor density	3.7 (air = 1.0)
Specific gravity	0.76
Water solubility	Insoluble 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	6.33 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 and unburned hydrocarbons (smoke).

Section 11: Toxicological Information

Acute Toxicity

Components:	**64742-89-8:**	**67-63-0:**	**1330-20-7:**	**100-41-4**
Acute oral toxicity	LD_{50} (rat) >2000 mg/kg;	LD_{50} (rat) >4396 mg/kg;	LD_{50} (rat) >4300 mg/kg;	LD_{50} (rat) >3500 mg/kg;
Acute inhalation toxicity	LC_{50} (rat); >5000 ppm	LC_{50} (rat -4h) >72.6 mg/L	LC_{50} (rat -4h) >47635 mg/L	LC_{50} (rat -4h); >47.2 mg/L
Acute dermal toxicity	LD_{50} (rat) :> 2,000 mg/kg	LD_{50} (rabbit):12870 mg/kg	LD_{50} (rabbit):1700 mg/kg	LD_{50} (rabbit):15354 mg/kg
Skin corrosion/irritation:	Irritating to skin	No irritating to skin 4h exposure, in vivo, rabbit	Irritating to skin	Not classified
Serious eye damage/ Irritation	Non-irritating to eyes.	Irritating to eyes 24h exposure time, rabbit,	Irritating to eyes	Not classified
Respiratory or skin Sensitization	Not a skin sensitizer	Not a skin sensitizer	No information available	Not classified

Germ cell mutagenicity	No information available	No effects in lab animals	No effects in lab animals	May cause genetic defects
Carcinogenicity	No information available	Not classifiable	No effects in lab animals	Class mutagen 1B Suspected of causing cancer
Reproductive toxicity	No information available	No teratogenic effects in lab animals	No effects in lab animals	Suspected of damaging fertility or the unborn child
STOT single exposure	Not data available	Not data available	Not data available	May cause respiratory irritation. May cause drowsiness or dizziness.
STOT repeated exposure	Hearing loss (rats) High concentrations of similar Materials has been associated with irregular heart rhythms and cardiac arrest.	Central nervous system depression	Classified as Category 2	May damage organs to hearing and kidney
Aspiration toxicity	Harmful if swallowed	May be harmful if swallowed	May be harmful if swallowed and enters airways	May be fatal if swallowed and enters airways

Section 12: Ecological Information

Ecotoxicology assessment

Acute aquatic toxicity	Toxic to aquatic life	LD_{50} (fathead minnow) 9640 mg/l **E**C_{50} (water flea) >10,000 mg/l Pseudomonas putida: 1,050 mg/l	LD_{50} (fish) >1 <10mg/l LD_{50} (crustacea) >1 <10mg/l LD_{50} (algae) >1 <10mg/l	Harmful to aquatic life with long lasting effects.
Chronic aquatic toxicity	Toxic to aquatic life with long lasting effects	No data available	NOEL (Fish)>1 mg/l NOEL (Crustacea)>1 mg/l	Long lasting effects
Biodegradability	Readily biodegradable	Readily biodegradable	Readily biodegradable	No information available
Mobility in soil	No data available	Adsorbs on soil	Adsorbs on soil	No information available
Other adverse effects	No data available	No data available	unlikely to pose a significant hazard to aquatic life.	avoid release to environment

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 reclaimer.

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 1993, Flammable Liquid, N.O.S., (Naphtha Isopropanol), 3, II, (Flash Point: 20°F)
IMDG: UN 1993, Flammable Liquid, N.O.S., (Naphtha Isopropanol), 3, II, (Flash Point: 20°F)
DOT: UN 1993, Flammable Liquid, N.O.S., (Naphtha Isopropanol), 3, II, (Flash Point: 20°F)

Section 15: Regulatory Information

U.S. Federal Regulations:

Ingredient Name (CAS #)	Approx. Weight%	SARA 302	SARA 313	CERCLA RQ. in lbs.
Xylene (1330-20-7)	1 - 5	Form R reporting required For 1.0% de minimis Concentration		100
Ethylbenzene (100-41-4)	0.1 – 1	Form R reporting required For 1.0% de minimis Concentration		100

SARA 311/312 Hazard Class:

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

U.S.STATE REGULATIONS:

Right to Know:
The specific chemical identity of a component may be withheld as a trade secret under Pennsylvania Code, Chapter 317.

Xylene	1330-20-7
Naphtha	64742-89-8
Isopropyl alcohol	67-63-0

California Proposition 65:
WARNING! This product contains a chemical known in the State of California to cause cancer.

Rule 66 status of product : Not photo chemically reactive.

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 ratings Health: 2 Flammability: 3 Physical hazard: 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: Chase Williams

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End of Safety Data Sheet.