

Section 1: Product Identification**Responsible Party:**

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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-X102A

Product Name: Mold Release 225 AEROSOL

Intended Use: Paint product

Section 2: Hazard(s) Identification**GHS Classification**

| | |
|--|-------------------------------------|
| Flammable Aerosol: | Category 1 |
| 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 1 |

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: Ethylbenzene 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 |
| Propane | 74-98-6 | 5-30 |
| Xylene | 1330-20-7 | 1 - 5 |
| Ethylbenzene | 100-41-4 | .0 - 1 |
| Isobutane | 75-28-5 | 1 - 5 |

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.

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 | |
| Isobutane | 75-28-5 | TWA | 1000 ppm | OSHA PEL |
| | | TWA | 1000 ppm | NIOSH REL |
| | | STEL | 1000 ppm | ACGIH |
| Propane | 74-98-6 | TWA | 1000 ppm | OSHA PEL |
| | | TWA | 1000 ppm | NIOSH REL |
| | | TWA | 1000 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: | Aerosol |
| Color: | Clear, colorless |
| Odor: | Mild |
| Odor threshold: | No data available |
| pH: | No data available |
| Freezing Point: | No data Available |
| Boiling Range: | No data Available |
| Flash Point: | 20°F, (-7°C) |
| Evaporation Rate: | .43 (butyl acetate = 1.0) |
| Flammability (solid, gas) | No data available |
| Upper explosion limit | No data available |
| Lower explosion limit | No data available |
| Vapor pressure | 1551-1809 mm hg |
| 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 |

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 Carcinogenicity | No information available No information available | No effects in lab animals Not classifiable | No effects in lab animals No effects in lab animals | May cause genetic defects 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 |

Acute Toxicity Components:

74-98-6:

67-63-0:

| | | |
|---------------------------------------|-------------------------|---|
| Acute oral toxicity | No known | |
| Acute inhalation toxicity | Toxilogical effects | LC ₅₀ (rat -4h) >658 mg/L |
| Acute dermal toxicity | Irritating to skin | No irritating to skin 4h exposure, in vivo, rabbit |
| Skin corrosion/irritation: | | |
| Serious eye damage/ Irritation | Non-irritating to eyes. | Irritating to eyes |

| | | |
|---|--|---|
| Respiratory or skin Sensitization | Not a skin sensitizer | Not a skin sensitizer |
| Germ cell mutagenicity Carcinogenicity | No information available No information available | No effects in lab animals Not classifiable |
| Reproductive toxicity | No information available | No teratogenic effects in lab animals |
| STOT single exposure | Not data available | Not data available |
| STOT repeated exposure | No information available | No information available |
| Aspiration toxicity | Harmful if swallowed | May be harmful if swallowed |

Section 12: Ecological Information

Ecotoxicology assessment

| | | | | |
|---------------------------------|---|---|--|--|
| Acute aquatic toxicity | Toxic to aquatic life | LD ₅₀ (fathead minnow) 9640 mg/l EC 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

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: Aerosols, flammable
Hazard class or division: 2.1
Identification number: UN 1950
Packing group: None

International Air Transportation (ICAO/IATA)

Proper shipping name: Aerosols, flammable
Hazard class or division: 2.1
Identification number: UN 1950
Packing group: None

Water Transportation (IMO/IMDG)

Proper shipping name: Aerosols, flammable
Hazard class or division: 2.1
Identification number: UN 1950
Packing group: None

Section 15: Regulatory Information

U.S. Federal Regulations:

TSCA 8 (b) Inventory Status: All components of this product are listed on the U.S. Toxic Substances Control Act (TSCA) Inventory or are exempt from listing because a Low Volume Exemption (LVE) has been Granted in accordance with 40 CFR 723.50.

TSCA 12 (b) Export Notification: Non above reporting de minimis

CERCLA/SARA Section 302 EHS: None above reporting de minimis
CERCLA/SARA Section 311/312: Fire, Immediate Health, Delayed Health, Pressure
CERCLA/SARA Section 313: None above reporting de minimis
CERCLA Reportable Quantity: Xylene CAS 1330-20-7 100 lbs. (45.5 kg)
Ethylbenzene CAS 100-41-4 100 lbs. (45.5 kg)
Propane CAS 74-98-6 100 lbs. (45.5 kg)
Isobutane CAS 75-28-5 100 lbs. (45.5 kg)

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.