

Section 1 - Manufacturer Information

| | | | |
|--------------------------|--|--|---|
| Manufacturer/Distributor | IMS Company 10373 Stafford Road Chagrin Falls, OH 44023-5296 | Emergency Phone # Prepared by Prepared/Revised | 800-424-9300 Safety Advisor January 2, 2001 |
|--------------------------|--|--|---|

Trade Name Pure, Undiluted Silicone Bulk Mold Release

| | | | |
|----------------------|--------|----------------|-----------------------|
| Product Number | 100536 | 5 gallon pail | Replaces AER3-UBS-5G |
| | 100544 | 55 gallon drum | Replaces AER3-UBS-55G |
| | 100579 | 1 gallon pail | Replaces AER3-UBS-1G |

Hazardous Material Information System

Health0 Flammability1 Reactivity0 ProtectionX

* Chronic (Accumulates)

| | | | |
|-----------------------------|---------------------|----------------------------|--|
| 0 Normal use Material | 0 Will Not Burn | 0 Stable | X = Consult the MSDS and your supervisor for your special workplace need |
| 1 Slight Hazard (temporary) | 1 Possible to Burn | 1 Unstable if Heated | |
| 2 Health Affected (lengthy) | 2 Burns if Heated | 2 Violent Chemical Change | |
| 3 Extreme Danger | 3 Easily Burns | 3 Shock and Heat Sensitive | |
| 4 Severe or Fatal | 4 Very Easily Burns | 4 May Explode | |

NOTE The HMIS may not be enough hazard information for this chemical in all workplaces. The HMIS system requires employee training about the system and about information in this MSDS.

Section 2 - Ingredients

| Chemical/Common Name | CAS-Number | % | PEL-OSHA | TLV-ACGIH |
|----------------------|------------|-----|----------|-----------|
| Polydimethylsiloxane | 63148-62-9 | 100 | (1) | (1) |

(1) None established, however we recommend that exposure be limited to the OSHA, oil mist exposure, limit of 5mg/m³.

Subject to SARA Title III Sec. 313, reporting requirements? No

Does this product contain carcinogens (NTP, IARC, or OSHA)? No.

Section 3 - Health Data

HEALTH EFFECTS - (Acute and Chronic)

Ingestion Small amounts transferred to the mouth by fingers during use should not injure. Large amounts could cause digestive discomfort.

Inhalation Short-term exposure to mist is not known to produce injury, but should be avoided, as with all chemicals. Long-term exposure to mist could cause chemical pneumonitis. For non-mist use, this product has a low vapor pressure and is not expected to present an inhalation hazard at ambient conditions.

Eye May cause mild irritation.

Skin A single exposure (24 to 48 hours) causes no known adverse effects.

PRIMARY ROUTES OF ENTRY Inhalation if product is atomized. Transfer of product to eyes from fingers.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE None known to us.

EMERGENCY FIRST AID PROCEDURES

Eye Contact Flush eyes with large amounts of water. If material is hot, treat for thermal burns and ****Get Medical Help at once****

Skin Contact Wash with soap and water. If material is hot, submerge injured area in cold water; if victim is severely burned ****Get Medical Help at once****

Inhalation If gross overexposures to mist or if breathing is stopped or irregular, administer artificial respiration, and supply oxygen if it is available. If victim is unconscious, remove to fresh air and ****Get Medical Help at once****

Ingestion May act as a laxative. Do not induce vomiting. Obtain medical assistance. Small amounts, which accidentally enter mouth, should be rinsed out until taste of product is gone.

Section 4 - Chemical Data

| | | | |
|-------------------------------|---------------------|--------------------------------------|-----------------|
| Boiling Point | > 400° F | Specific Gravity (Water = 1) | 0.97 |
| Vapor Pressure (mm HG) | NIL | Percent Volatile by Volume (%) | NIL |
| Vapor Density (Air = 1) | NA | Evaporation Rate (Ether = 1) | NIL |
| Viscosity | 350 cSt | Melt/pour point | -76° F (-60° C) |
| | Solubility in Water | NIL | |

Appearance and Odor Information Essentially odorless and colorless.

Section 5 - Physical Data

| | | | |
|--------------------------------|------------------|---------------------------|----------|
| Flash Point (CC) | 599° F (315° C) | Flammable Limits LEL = NA | UEL = NA |
| Autoignition temperature | >860° F (460° C) | | |

Extinguishing Media

Carbon dioxide (CO₂), foam, dry chemical, water spray, and fog.

Special Fire Fighting Procedures

Under fire conditions, irritating and/or toxic vapors, or gases, including formaldehyde, could be present. Firefighter should wear self-contained breathing apparatus.

Unusual Fire and Explosion Hazards

None known.

Incompatibility (Materials to Avoid)

Strong bases, may react with strong oxidizers.

Hazardous Decomposition Products

Volatile by-products, carbon monoxide, carbon dioxide, oxides of silicon (SiO_x), and formaldehyde.

NOTICE

This product contains methylpolysiloxanes, which when heated to temperatures above 300°F (150°C), in the presence of air, can form formaldehyde vapors. Formaldehyde is a potential cancer hazard, a known skin and respiratory sensitizer, eye and throat irritant, and an acute toxicant. Vapors irritate eyes, nose, and throat. Safe handling conditions may be maintained by keeping vapor concentrations within the OSHA permissible exposure limit for formaldehyde. (Note Product does not contain formaldehyde).

Will Hazardous Polymerization Occur? No

Conditions to Avoid for Polymerization Not applicable

Is the Product Stable? Yes

Conditions to Avoid for Stability Not applicable

Section 6 - Spill or Leak Procedures

Steps to be Taken in Case Material is Released or Spilled

Contain spill immediately. Do not allow spill to enter sewers or watercourses. Absorb with appropriate inert material such as sand, clay, etc. Large spills may be picked up using vacuum pumps, shovels, buckets, or other means and placed in drums or other suitable containers.

Waste Disposal Methods

Consult Federal, State, and Local regulations.

Section 7 - Exposure Control Information

Ventilation

General or local exhaust, or mechanical or special ventilation to maintain below recommended exposure limit.

Respiratory Protection

Generally not required if sufficient ventilation is provided. If the recommended exposure limit of the product is exceeded, an approved vapor/mist mask should be used (consult your safety equipment supplier). If diluted with solvent, protection suitable for the solvent must also be used.

Protective Clothing

Plastic or rubber gloves can be used for personal hygiene. Contact with this or any industrial chemical should be avoided.

Other Protective Equipment

If eye contact with the material is likely, eye protection is recommended. Chemical Monogoggles or safety glasses with side shields and a face shield will provide protection in most situations. Do not wear contact lenses.

Other Engineering Controls

To determine exposure levels, monitoring should be performed. Monitor for formation of formaldehyde if the product will be used at temperatures above 300° F and exposed to air.

Work Practices

If diluted with solvent, do not use in confined or closed space. Ventilation should maintain the concentration of the product below its exposure limits. We consider it good practice to maintain exposure to the mist from any mold release below the OSHA Oil Mist exposure limit of 5 mg/m³ TWA.

Hygienic Practices

Wash thoroughly before eating or smoking after using this or any chemical product.

Regulatory Status

Listed in FDA, 21 CFR 181.28, as a release agent for food containers and packaging.

Section 8 - Special Precautions

Precautions to be Taken in Handling and Storage

Store this and all industrial chemicals away from food and beverages. Store in cool, dry area away from strong oxidizers.

Maintenance Precautions

Do not remove or deface label.

Other Precautions

Product can cause slippery surfaces. Clean up spills promptly. Monitor floors for accumulation in overspray area; clean as needed.

Read and follow directions and cautions on the container label, and any accompanying literature.

CAUTION Intentional misuse of this chemical product, as with any industrial chemical, in contact with the body can be harmful or fatal. This includes such things as deliberately breathing, placing in mouth, swallowing, placing on skin, or any other body contact, or repeated, or continuous contact.

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