

**Section 1 - Identification**

- 1.1 Product Identifier:** Ease Release 2251-5, Ease Release 2305, Ease Release 2617-5, Ease Release 2770, Ease Release 2831, Ease Release 2910-5, Ease Release 205, Ease Release 305, Ease Release 405, Ease Release 1705, Ease Release 2687-5, Ease Release 225-1, Ease-Release 2310, Ease Release 6577-5, Permalease 010 Primer
- 1.2 General Use:** Mold Release Agent
- 1.3 Manufacturer:** Mann Release Technologies, Inc.,  
5600 Lower Macungie Rd., Macungie, PA 18062  
Phone (610) 252-5800, FAX (610) 252-6200
- 1.4 Emergency Contact:** Chem-Tel Domestic: 800-255-3924 International: 813-248-0585

**Section 2 – Hazard(s) Identification**

**2.1 Classification of the substance or mixture:**

- H225** Flammable Liquids – Category 2  
**H304** Aspiration Hazard – Category 1  
**H315** Skin Irritation – Category 2  
**H336** Specific Target Organ Toxicity (central nervous system) – Category 3  
**H411** Hazardous to the aquatic environment, long-term hazard – Category 2

For the full text of the H-Statements mentioned in this Section, see Section 16

**2.2 Label elements, including precautionary statements**

Labelling (REGULATION (EC) No 1272/2008) as amended



**Pictogram(s):**  
**Signal word:** Danger

**Hazard Statements**

- H225 Highly flammable liquid and vapour  
H304 May be fatal if swallowed and enters airways  
H315 Causes skin irritation  
H336 May cause drowsiness or dizziness  
H411 Toxic to aquatic life with long lasting effects

**Precautionary Statements**

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P273 Avoid release to the environment.  
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician.  
P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
P370 + P378 In case of fire: Use Water Fog, Dry Chemical, and Carbon Dioxide Foam to extinguish.

P391

P403 + P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/ container to an approved waste disposal plant.

**Hazards not otherwise classified (HNOC) or not covered by GHS – none known**

### Section 3 - Composition / Information on Ingredients

**3.1 Substances**

The following ingredients are hazardous according to Regulation 2012 OSHA Hazard Communication Standard: 29 CFR 1910.1200:

Chemical name	Classification	Concentration
<b>Hydrocarbons, C7-C9, isoalkanes</b>		
CAS-No. 64741-66-8 EC: 921-728-3 REACH-no: 01-2119471305-42	Flam. Liq. 2; Aspir. Tox 1; Skin Irrit. 2; STOT SE 3; Aquatic Chronic 2, (H225, H304, H315, H336, H411)	50% - 95%
<b>2,2,4 - Trimethylpentane</b>		
CAS-No. 540-84-1 EC: 208-759-1	Flam. Liq. 2; Aspir. Tox. 1; Skin Irrit. 2; STOT SE 3; Aquatic Acute 1 Aquatic Chronic 1(H225, H304, H315, H336, H400, H410)	10% -17%

### Section 4 - First Aid Measures

**4.1 Description of first aid measures**

**Inhalation:** Remove source(s) of contamination and move victim to fresh air. If breathing has stopped, give artificial respiration, then oxygen if needed. Contact physician immediately.

**Eye Contact:** Flush eyes with plenty of water. If irritation persists, seek medical attention.

**Skin Contact:** In case of skin contact, wash thoroughly with soap and water.

**Ingestion:** Do not induce vomiting unless instructed by a physician. Never give anything by mouth to an unconscious person.

**4.2 Most important symptoms and effects, both acute and delayed** None known.**4.3 After first aid, get appropriate in-plant, paramedic, or community medical support.**  
*None known.*

### Section 5 - Fire-Fighting Measures

**5.1 Extinguishing Media:** Water Fog, Dry Chemical, and Carbon Dioxide Foam**5.2 Special hazards arising from the substance or mixture:** None known.**5.3 Advice for firefighters:** Use water spray to cool fire-exposed surfaces and to protect personnel. Shut off "fuel" to fire. If a leak or spill has not ignited, use water spray to disperse the vapors. Either allow fire to burn under controlled conditions or extinguish with foam or dry chemical. Try to cover liquid spills with foam. Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure demand or positive-pressure mode.

### Section 6 - Accidental Release Measures

**6.1 Personal precautions, protective equipment and emergency procedures:** Only properly protected personnel should remain in the spill area; dike and contain spill. Stop or reduce discharge if it can be done safely.

- 6.2 Environmental precautions:** Large Spills: Dike far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas.

**Additional information:**

**Land Spill:** Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you can do it without risk. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Prevent entry into waterways, sewer, basements or confined areas. A vapor suppressing foam may be used to reduce vapors. Use clean non-sparking tools to collect absorbed material. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Large Spills: Water spray may reduce vapor; but may not prevent ignition in closed spaces.

**Water Spill:** Stop leak if you can do it without risk. Eliminate sources of ignition. Warn other shipping. If the Flash Point exceeds the Ambient Temperature by 10 °C or more, use containment booms and remove from the surface by skimming or with suitable absorbents when conditions permit. If the Flash Point does not exceed the Ambient Air Temperature by at least 10 °C, use booms as a barrier to protect shorelines and allow material to evaporate. Seek the advice of a specialist before using dispersants.

**Water spill and land spill recommendations** are based on the most likely spill scenario for this material; however, geographic conditions, wind, temperature, (and in the case of a water spill) wave and current direction and speed may greatly influence the appropriate action to be taken. For this reason, local experts should be consulted. Note: Local regulations may prescribe or limit action to be taken.

- 6.3 Methods and material for containment and cleaning up:** Put on appropriate protective gear including NIOSH/MSHA approved self-contained breathing apparatus, rubber boots and heavy rubber gloves. Dike and contain spill; absorb or scrape up excess into suitable container for disposal; wash area with dilute ammonia solution. Stop or reduce discharge if it can be done safely. Follow applicable OSHA regulations (29 CFR 1910.120) for disposal.
- 6.4 Reference to other sections:** See Section 3 for list of Hazardous Ingredients; Sections 8 for Exposure Controls; and Section 13 for Disposal.

## Section 7 - Handling and Storage

- 7.1 Precautions for safe handling:** Use good general housekeeping procedures. Wash hands after use. Do not get in eyes, on skin or on clothing. Do not breathe vapors or mists. Use good personal hygiene practices.
- 7.2 Conditions for safe storage, including any incompatibilities:** Keep container(s) tightly closed and properly labeled. Store in cool, dry, well ventilated place away from heat, direct sunlight, strong oxidizers and any incompatibles. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty containers retain residue and may be dangerous. Avoid water contamination.
- 7.3 Specific end use(s):** These precautions are for room temperature handling. Other uses including elevated temperatures or aerosol/spray applications may require added precautions.

## Section 8 - Exposure Controls / Personal Protection

- 8.1 Control parameters:** none defined

**8.2 Exposure controls:**

**Respiratory Protection:** Respiratory protection is not normally required when using this product with adequate local exhaust ventilation. Where risk assessment shows air-purifying respirators are appropriate, follow OSHA respirator regulations 29 CFR 1910.134 and European Standards EN 141, 143 and 371; wear an MSHA/NIOSH or European Standards EN 141, 143 and 371 approved respirators equipped with appropriate filter cartridges as a backup to engineering controls.

**Hand Protection:** Wear any liquid-tight gloves such as butyl rubber, neoprene or PVC.

**Eye Protection:** Safety glasses with side shields per OSHA eye- and face-protection regulations 29 CFR 1910.133 and European Standard EN166. Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

**Other Protective Clothing/Equipment:** Additional protective clothing or equipment is not normally required. Provide eye bath and safety shower.

**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics. Wash thoroughly after handling.

## Section 9 - Physical and Chemical Properties

**9.1 Information on basic physical and chemical properties:**

<b>Appearance:</b>	Clear to Amber Liquid	<b>Vapor pressure:</b>	34 mm Hg @ 20°C
<b>Odor:</b>	Mild petroleum/solvent	<b>Vapor density (Air=1):</b>	3.9
<b>Color Intensity:</b>	Transparent	<b>Relative density:</b>	No data
<b>pH:</b>	Not Relevant (Insoluble in Water)	<b>Solubility:</b>	Insoluble
<b>Melting / freezing point:</b>	No data	<b>Partition coefficient (n-octanol/water):</b>	No data
<b>Low / high boiling point:</b>	97°C - 104°C	<b>Auto-ignition temperature:</b>	430°C
<b>Flash Point:</b>	>8°C	<b>Decomposition temperature:</b>	No data
<b>Evaporation rate:</b>	3.83 (nBuAc=1)	<b>Viscosity:</b>	<100 centipoise
<b>Flammability (solid, gas):</b>	Flammable	<b>% Volatile:</b>	50 – 85
<b>Lower/upper flammability or explosive limits:</b>	0.9/6.3 (approximate)	<b>Specific Gravity (H2O=1, at 4 °C):</b>	0.7 – 0.9

## Section 10 - Stability and Reactivity

- 10.1 Reactivity:** No hazardous reactions if stored and handled as prescribed/indicated., No corrosive effect on metal. Not fire propagating.
- 10.2 Chemical stability:** These products are stable at room temperature in closed containers under normal storage and handling conditions.
- 10.3 Possibility of hazardous reactions:** Hazardous polymerization cannot occur.
- 10.4 Conditions to avoid:** none known
- 10.5 Incompatible materials:** strong bases and acids
- 10.6 Hazardous decomposition products:** Thermal oxidative decomposition can produce carbon oxides, gasses/vapors, and traces of incompletely burned carbon compounds.

## Section 11- Toxicological Information

**11.1 Information on toxicological effects:**

**Skin Corrosion/Irritation:** no data

**Serious Eye Damage/Irritation:** no data

**Respiratory/Skin Sensitization:** no data

**Germ Cell Mutagenicity:** no data

**Carcinogenicity:** No component of these products present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC, ACGIH or NTP.

**Reproductive Toxicity:** no data

**Specific Target Organ Toxicity – Single Exposure:** no data

**Specific Target Organ Toxicity – Repeated Exposure:** no data

**Aspiration Hazard:** no data

**Acute Toxicity:** no data

**Chronic Exposure:** no data

**Potential Health Effects – Miscellaneous:** no data

## Section 12 - Ecological Information

- 12.1 **Toxicity:** no data  
 12.2 **Persistence and Degradability:** no data  
 12.3 **Bioaccumulative Potential:** no data  
 12.4 **Mobility in Soil:** no data  
 12.5 **Results of PBT and vPvB assessment:** no data  
 12.6 **Other Adverse Effects:** no data

## Section 13 - Disposal Considerations

- 13.1 **Waste treatment methods:** Under Resource Conservation and Recovery Act (RCRA) it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste as defined in 40 CFR Part 261. Waste management should be in full compliance with federal, state and local laws. Empty containers retain product residue which may exhibit hazards of material, therefore to not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

## Section 14 - Transport Information

	<i>Land transport (DOT)</i>	<i>Sea transport (IMDG)</i>	<i>Air transport (ICAO/IATA)</i>
<b>UN number:</b>	1866	1866	1866
<b>UN proper shipping name:</b>	Resin solution	Resin solution	Resin solution
<b>Transport hazard class(s):</b>	3	3	3
<b>Packing group:</b>	II	II	II
<b>Environmental hazards:</b>	N/A	N/A	N/A
<b>Special precautions for user:</b>	N/A	N/A	N/A

<i>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</i>	N/A	N/A	N/A
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### Section 15 - Regulatory Information

#### 15.1 Safety health and environmental regulations/legislation specific for the substance or mixture:

**REACH: Regulation (EC) No 1907/2006 of The European Parliament and of The Council of December 2006 (including amendments and corrigenda as of 17 February 2016):** This product complies with REACH or is not subject to regulation under REACH. The product does not contain an ingredient listed on either the Candidate List or Authorization List for Substances of Very High Concern (SVHC).

**In the United States (EPA Regulations):**

**TSCA Inventory Status (40 CFR710):** All components of this formulation are listed in the TSCA Inventory. No component of this formulation has been determined to be subject to manufacturing or use restrictions under the Significant New Use Rules (SNURs).

**CERCLA Hazardous Substance List (40 CFR 302.4)**

None known.

**SARA 302 Components:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 313.

**SARA 311/312 Hazards:** Fire. Immediate health.

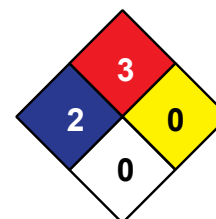
**California Proposition 65**

This product does not intentionally contain any chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.

**15.2 Chemical safety assessment:** No chemical safety assessment has been carried out for this substance/mixture by the supplier.

### 16 - Other Information

HMIS	
H	2
F	3
R	0



NFPA

**Glossary:** ACGIH-American Conference of Governmental Industrial Hygienists; ANSI-American National Standards Institute; Canadian TDG-Canadian Transportation of Dangerous Goods; CAS-Chemical Abstract Service; Chemtrec-Chemical Transportation Emergency Center (US); CHIP-Chemical Hazard Information and Packaging; DSL-Domestic Substances List; EC-Equivalent Concentration; EH40 (UK)-HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA-Emergency Planning and Community Right-To-Know Act; ESL-Effects screening levels; GHS-Globally Harmonized System of Classification and Labelling of Chemicals; HMIS-Hazardous Material Information Service; IATA-International Air Transport Association; IMDG-International Maritime Dangerous Goods Code; LC-Lethal Concentration; LD-Lethal Dose; LEL-Lower Explosion Level; NFPA-National Fire Protection Association; OEL-Occupational Exposure Limit; OSHA-Occupational Safety and Health Administration, US Dept. of Labor; PEL-Permissible Exposure Limit; SARA (Title III)-Superfund Amendments and Reauthorization Act; SARA 313-Superfund Amendments and Reauthorization Act, Section 313; SCBA-Self-Contained Breathing Apparatus; STEL-Short Term Exposure Limit; TCEQ-Texas Commission on Environmental Quality; TLV-Threshold Limit Value; TSCA-Toxic Substances Control Act Public Law 94-469; TWA-Time Weighted Value; UEL-Upper Explosion Level; US DOT-US Department of Transportation; WHMIS-Workplace Hazardous Materials Information System.

**Disclaimer:** The information contained in this Safety Data Sheet (SDS) is considered accurate as of the version date. However, no warranty is expressed or implied regarding the accuracy of the data. Since the use of this product is not within the control of Smooth-On Inc., it is the user's obligation to determine the suitability of the product for its intended application and assumes all risk and liability for its safe use.

This SDS is prepared to comply with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) as prescribed by the United States (US) Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS), and European Union Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 (REACH).

Classifications of the chemical in accordance with 29 CFR 1910.1200, signal word, hazard and precautionary statement(s), symbol(s) and other information are based on listed concentration of each hazardous ingredient. Unlisted ingredients are not "hazardous" per the OSHA Hazard Communication Standard (29 CFR 1910.1200), WHMIS and EC No 1907/2006 and are considered trade secrets under US Federal Law (29 CFR and 40 CFR), Canadian Law (Health Canada Legislation), and European Union Directives.