

Section 1 - Identification

- 1.1 **Product Identifier:** Mold Cleaner® 2508
- 1.2 **General Use:** Solvent
- 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:**
 Flammable liquids – Category 3, H227
 Aspiration Hazard – Category 1, H304
 Skin irritation – Category 2, H315
 Eye irritation – Category 2A, H319
 Specific target organ toxicity – single exposure respiratory system – Category 3), H335
 Carcinogenicity – Category 2, H351
 Reproductive toxicity – Category 1B, H360
 Acute aquatic toxicity – Category 3, H412

2.2 **GHS Label elements, including precautionary statements**

Pictogram(s):



Signal word: Danger

| | | |
|------------------------|------|---|
| Physical Hazards: | H227 | Combustible liquid |
| Health Hazards: | H304 | May be fatal if swallowed and enters airways |
| | H315 | Causes skin irritation |
| | H319 | Causes serious eye irritation |
| | H335 | May cause respiratory irritation |
| | H336 | May cause drowsiness or dizziness |
| | H351 | Suspected of causing cancer |
| | H360 | May damage fertility or the unborn child. |
| Environmental Hazards: | H412 | Harmful to aquatic life with long lasting effects |
| General Precautions: | P101 | If medical advice is needed, have product container or label at hand. |
| | P102 | Keep out of reach of children. |

| | | |
|----------------------------|--------------------|--|
| | P103 | Read label before use. |
| Prevention Precautions: | P201 | Obtain special instructions before use. |
| | P202 | Do not handle until all safety precautions have been read and understood. |
| | P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| | P243 | Take action to prevent static discharges. |
| | P261 | Avoid breathing dust/fume/gas/mist/vapors/spray. |
| | P264 | Wash skin thoroughly after handling. |
| | P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| Response Precautions: | P301 + P310 | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. |
| | P302 + P352 | IF ON SKIN: Wash with plenty of soap and water. |
| | P304 + P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| | P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| | P308 + P313 | IF exposed or concerned: Get medical advice/ attention. |
| | P331 | Do NOT induce vomiting. |
| | P332 + P313 | If skin irritation occurs: Get medical advice/attention. |
| | P337 + P313 | If eye irritation persists: Get medical advice/attention. |
| | P362 | Take off contaminated clothing. |
| | P370 + P378 | In case of fire: Use water fog, dry chemical or carbon dioxide foam to extinguish. |
| Storage Precautions: | P403 + P233 | Store in a well-ventilated place. Keep container tightly closed. |
| | P403 + P235 | Store in a well-ventilated place. Keep cool. |
| | P405 | Store locked up. |
| Disposal Precautions: | P501 | Dispose of contents/container according to local, state and federal laws. |

Hazards not otherwise classified (HNOC) or not covered by GHS – none known
This product contains a chemical known to be hazardous according to California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65). (See also Section 3 and 15)

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:

| CAS Number | Component | Composition |
|------------|---|-------------|
| 872-50-4 | N-Methyl-2-pyrrolidone | 55% - 65% |
| 64742-95-6 | Solvent naphtha (petroleum), light aromatic | 20% - 30% |
| 95-63-6 | 1,2,4-Trimethylbenzene | 10% - 15% |
| 108-67-8 | 1,3,5-Trimethylbenzene | <5% |
| 526-73-8 | 1,2,3-Trimethylbenzene | <2% |
| 98-82-8 | Cumene | <2% |

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. Note: If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately. This light hydrocarbon material, or a component, may be associated with cardiac sensitization following very high exposures (well above occupational exposure limits) or with concurrent exposure to high stress levels or heart-stimulating substances like epinephrine. Administration of such substances should be avoided.

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.

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:

Appearance : liquid

Odor/Threshold: clear/yellow, sweet odor

pH: N.A. (non-aqueous)

Melting Point/Freezing Point: N.A.

Low/High Boiling Point: 208 °F/220 °F

Flash Point: >114 °F

Evaporation Rate: (butyl acetate=1) N.A.

Flammability: combustible

UEL/LEL: 0.5/6.0 (approximate)

Vapor Pressure: <3 mmHg @ 68 °F

Vapor Density (Air=1): ~4

Specific Gravity (H₂O=1, at 4 °C): 1.0

Water Solubility: negligible

Partition coefficient: Not available

Auto-ignition temperature: Not available

Decomposition temperature: Not available

Viscosity: <100 centipoise

Volatile: 249 g/l

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 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 data
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: calculated - oral: 3,280 mg/kg; dermal: 3,470 mg/kg; inhalation: 7.2 mg/l
Chronic Exposure: no data
Potential Health Effects – Miscellaneous: no data

Section 12 - Ecological Information

- 12.1 Toxicity:**
acute toxicity (calculated) - fish: 14.9 mg/l; crustacean: 11.0 mg/l; algae: 15.0 mg/l
chronic toxicity – no data
- 12.2 Persistence and Degradability:** no data
- 12.3 Bioaccumulative Potential:** no data
- 12.4 Mobility in Soil:** Material is highly volatile, will partition to air. Will not partition to sediment and wastewater solids.
- 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

Non-bulk containers (<119 gallons) are not regulated by DOT per 49 CFR 172.150(f).
Classified as hazardous by DOT for bulk containers, and IATA and IMDG

- 14.1 UN number:** 1993
- 14.2 UN proper shipping name:** Flammable liquid, n.o.s. (N-Methyl Pyrrolidone solution)
- 14.3 Transport hazard class(es):** 3
- 14.4 Packing group:** III
- 14.5 Environmental hazards:** none known
- 14.6 Special precautions for user:** none known
- 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** not applicable

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).

SARA 302 Components:

| <u>Chemical Name</u> | <u>CAS #</u> | <u>RQ</u> | <u>% Reportable Component</u> |
|----------------------|--------------|-----------|-------------------------------|
| Cumene | 98-82-8 | 5000 lb | <2 |

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and community Right-to-Know Act of 1986) Sections 311 and 312

Acute, Chronic, Flammable

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Section 313

| <u>Chemical Name</u> | <u>CAS #</u> | <u>% by Weight</u> |
|------------------------|--------------|--------------------|
| N-methyl-2-pyrrolidone | 872-50-4 | 55-65 |
| 1,2,4-Trimethylbenzene | 95-63-6 | 10-15 |
| Cumene | 98-82-8 | <2 |

New Jersey and Pennsylvania Right-To Know Chemicals:

| | | |
|------------------------|------------|-----------|
| 1,2,4-Trimethylbenzene | (95-63-6) | 10 – 15 % |
| 1,3,5-Trimethylbenzene | (108-67-8) | <5 |
| 1,2,3-Trimethylbenzene | (526-73-8) | <2 |
| Cumene | (98-82-8) | <2 |

KEEP OUT OF REACH OF CHILDREN

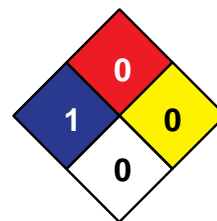


WARNING: Known to the State of CA to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

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 | 1 |
| F | 0 |
| R | 0 |



NFPA

Revision: 9

Date Prepared: August 3, 2018

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.