1. Product and Company Identification

Product Identification

Foundry Mold Release 007H

Product Code

SSI-007H

Use

Mold Release Agent

Company Name

General Chemical Corp

Company Address

12336 Emerson Dr Brighton MI 48116 USA

Contact Phone Number

(248)587-5600

Emergency Phone (Day or Night)

(800) 424-9300

Number (Call Collect from Outside U.S.A)

+1 703-527-3887

2. Hazard Identification

GHS Hazard Categories

- Flammable Liq Cat 2
- Skin corrosion/irritation Cat 2
- Serious eye damage/eye irritation Cat 2
- Specific target organ tox, single exp. Cat 3 (narcotic effects)
- Hazard to aquatic environment, acute Cat 1
- Hazard to aquatic environment, chronic Cat 1

2.2 GHS Label Elements

GHS Signal Word

Not Applicable

GHS Pictogram

- Flame

- Environment

- Exclamation Mark

GHS Hazard Statements

- H225: Highly flammable liquid and vapour
- H315: Causes skin irritation
- H319: Causes serious eye irritation
- H336: May cause drowsiness or dizziness
- H400: Very toxic to aquatic life
- H410: Very toxic to aquatic life with long lasting effects

GHS Precautionary Statements

- P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking
- P233: Keep container tightly closed
- P235: Keep cool
- P240: Ground/bond container and receiving equipment
- P241: Use explosion-proof electrical/ventilating/light/…/equipment
- P242: Use only non-sparking tools
- P243: Take precautionary measures against static discharge
- P261: Avoid breathing dust/fume/gas/mist/vapours/spray
- P264: Wash thoroughly after handling
- P271: Use only outdoors or in a well-ventilated area
- P273: Avoid release to the environment
- P280: Wear protective gloves/protective clothing/eye protection/face protection
- P362: Take off contaminated clothing and wash before reuse
- P374: Fight fire with normal precautions from a reasonable distance
- P391: Collect spillage
- P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
- P304+340: IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing
- P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
- P309+311: IF exposed or you feel unwell: Call a POISON CENTER or doctor/physician
- P332+313: If skin irritation occurs: Get medical advice/attention
- P337+313: If eye irritation persists get medical advice/attention

- P403: Store in a well ventilated place
- P405: Store locked up
- P501: Dispose of contents/container in accordance with local/regional/national regulations

3. Composition / Information on Ingredients

List

Chemical Name(s)	CAS Number	% Weight
Heptane	142-82-5	60 - < 70
Butane	106-97-8	10 - < 20
Propane	74-98-6	10 - < 20
Acetone	67-64-1	5 - < 10
Isopropanol	67-63-0	5 - < 10
Other components below reportable levels		1 - < 3

4. First Aid Measures

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin Contact

Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Eye Contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion

Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed: Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. May cause redness and pain.

Indication of immediate medical attention and special treatment needed: Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.

General information: Take off all contaminated clothing immediately. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

5. Firefighting Measures

Suitable extinguishing media: Water fog. Foam. Carbon dioxide (CO2). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical: Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. This liquid may accumulate static electricity when filling properly grounded containers. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on surface of water. During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire-fighting equipment/instructions: In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

Specific methods: Use standard firefighting procedures and consider the hazards of other involved materials.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of vapors or mists. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Use appropriate containment to avoid environmental contamination. Transfer by mechanical means such as vacuum truck to a salvage tank or other suitable container for recovery or safe disposal. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up: Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material. This product is miscible in water. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions: Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination.

7. Handling and Storage

Precautions for safe handling: Vapors may form explosive mixtures with air. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Do not smoke. Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Handling operations that can promote accumulation of static charges include but are not limited to: mixing, filtering, pumping at high flow rates, splash filling, creating mists or sprays, tank and container filling, tank cleaning, sampling, gauging, switch loading, vacuum truck operations. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid breathing mist or vapor. Avoid contact with skin. Avoid contact with eyes. Avoid prolonged exposure. Avoid contact with clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Avoid release to the environment. Do not empty into drains.

For additional information on equipment bonding and grounding, refer to the Canadian Electrical Code in Canada, (CSA C22.1), or the American Petroleum Institute (API) Recommended Practice 2003, "Protection Against Ignitions Arising out of Static, Lightning, and Stray Currents" or National Fire Protection Association (NFPA) 77, "Recommended Practice on Static Electricity" or National Fire Protection Association (NFPA) 70, "National Electrical Code".

Conditions for safe storage, including any incompatibilities: Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Avoid spark promoters. Eliminate sources of ignition. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Store in original tightly closed container. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Refrigeration recommended. Store away from incompatible materials (see Section 10 of the SDS). Keep in an area equipped with sprinklers.

8. Exposure Control/Personal Protection

Appropriate Engineering Controls

Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Eye Protection

Wear safety glasses with side shields (or goggles).

Skin and Body Protection

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended. Chemical resistant gloves.

Respiratory Protection

Respiratory protection is not normally required for general core room workers when sufficient ventilation is provided to consistently maintain exposures below acceptable exposure criteria. Periodic exposure monitoring should be conducted to ensure exposures remain below relevant criteria. In case of insufficient ventilation, wear suitable respiratory equipment.

Hand Protection

Chemical resistant gloves.

Hygiene Measures

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Thermal hazards: Wear appropriate thermal protective clothing, when necessary.

9. Physical and Chemical Properties

Appearance

Clear, colorless liquid

Odor

Hydrocarbon solvent-like

Odor Threshold

Not available.

pH

Not available.

Melting Point

Not available.

Freezing Point

Not available.

Boiling Point

> 133.75 °F (> 56.53 °C)

Flash Point

< 0.0 °F (< -17.8 °C) Tag Closed Cup

Flammability (liquid)

Not Available

Evap. Rate

Not Available

Upper Explosive Limit

9.5 % (V)

Lower Explosive Limit

1.8 % (V)

Vapor Pressure

Not Available

Vapor Density

1

Density

1

Water Solubility

Not Available

Partition Coeff (Oct/Water LogPow)

Not Available

Auto-Ignition Temp

Not Available

Decomp Temp

Not Available

Viscosity

Not Available

Other information:

Dynamic viscosity: Not Available
Flammability class: Flammable IB estimated

Thermal hazards:
Relative self-ignition temperature: Not Available

10. Stability and Reactivity

10.1 Reactivity Information

Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport.

Known Hazardous Reactions

Hazardous polymerization does not occur.

Conditions to Avoid

Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible Materials

Acids. Strong oxidizing agents. Nitrates. Isocyanates. Fluorine. Chlorine.

Hazardous Decomposition Products

No hazardous decomposition products are known.

11. Toxicological Information

Carcinogenicity

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Information on likely routes of exposure:

Ingestion: Expected to be a low ingestion hazard.
Inhalation: Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Prolonged inhalation may be harmful.
Skin contact: Causes skin irritation.
Eye contact: Causes serious eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics: Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. Mayvcause redness and pain. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Information on toxicological effects:

Acute toxicity: Narcotic effects. Expected to be a low hazard for usual industrial or commercial handling by trained personnel.

Skin corrosion/irritation: Causes skin irritation.
Serious eye damage/eye irritation: Causes serious eye irritation.

Respiratory or skin sensitization:
Respiratory sensitization: Not available.
Skin sensitization: This product is not expected to cause skin sensitization.

Germ cell mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Reproductive toxicity: This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure: Narcotic effects.
Specific target organ toxicity - repeated exposure: Not classified.
Aspiration hazard: Not available.
Chronic effects: Prolonged inhalation may be harmful.

12. Ecological Information

Ecotoxicity: Very toxic to aquatic life with long lasting effects. Accumulation in aquatic organisms is expected.

Persistence and degradability: No data is available on the degradability of this product.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Other adverse effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this

component.

13. Disposal Considerations

13.1 Waste Treatment Methods

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.

Product Disposal Considerations:

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Packaging Disposal Considerations:

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

Miscellaneous Advice:

Full, unused containers must be sent to a recycling facility.

14. Transportation Information

DOT Domestic Ground: Non-Bulk

Limited quantity UN1950, AEROSOLS, FLAMMABLE, 2.1

DOT Domestic Ground: Bulk

UN1950, AEROSOLS, FLAMMABLE, 2.1 (more than 119 gallons)

DOT International

UN1950, AEROSOLS, FLAMMABLE, 2.1

Other Information:

15. Regulatory Information

Federal and State Regulations:

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

HMIS-Health:

2

HMIS-Fire:

3

HMIS-PPE:

2

NFPA-Health:

3

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): Not regulated

CERCLA Hazardous Substance List (40 CFR 302.4):
Acetone (CAS 67-64-1) Listed.
Butane (CAS 106-97-8) Listed.
Heptane (CAS 142-82-5) Listed.
Isopropanol (CAS 67-63-0) Listed.
Propane (CAS 74-98-6) Listed.

SARA 304 Emergency release notification: Not regulated.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed.

SARA 311/312 Hazardous chemical: No

SARA 313 (TRI reporting): Isopropanol (CAS: 67-63-0) 5 - < 10 by wt.

16. Other Information

SDS Revision:

10/19/2020

Date:

5/04/2019

SDS Author:

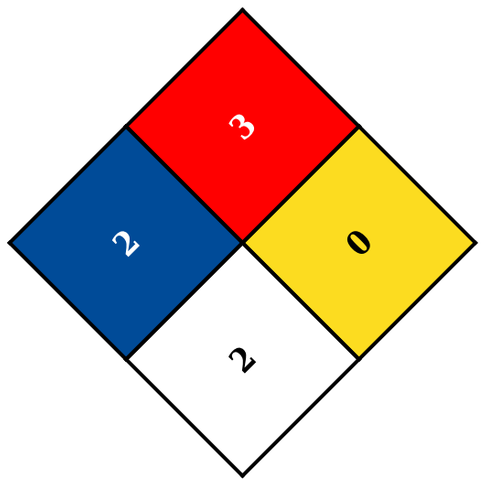
General Chemical Corp

Additional Information:

Disclaimer:

The development of this Safety Data Sheet (SDS) relies upon information provided to us by each of our raw material suppliers. This SDS will be updated as changes occur to their SDS(s).
We believe the recommendations and technical information contained herein to be accurate. However, they are given without warranty or guarantee, expressed or implied, and we assume no responsibility for losses or damage, direct or indirect, as a result of their use.

HEALTH	2
FIRE	3
REACTIVITY	0
PPE	2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