



Safety Data Sheet

SDS No.005

Section 1 - Identification

1.1 Product Identifier: Royal Jel-e Silicone Mold-Release

1.2 General Use: Mold Release

1.3 Manufacturer: FuseFX
2137 Hubbard Cres.,
Ottawa, ON,
Canada, K1J 6L3
Phone (613) 748-7877 Email: info@fusefx.ca

1.4 Emergency Contact: FuseFX Phone (613) 747-1145

Section 2 – Hazard(s) Identification

2.1 GHS Label Elements, Including Precautionary Statements

Hazard Pictogram(s):



Health hazards: H319 Causes Eye Irritation, H315 Skin Irritation, H400 Very Toxic to Aquatic Life, H412 Harmful to Aquatic Life with Long Lasting Effect.

Signal word: Danger

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.

Storage: Store in a cool, dry space. Store away from incompatible materials.

Disposal: Dispose of contents/container in accordance with local/ regional/ national/ international regulations.

Hazard(s) not otherwise classified (HNOC): None.

Supplemental information None.

Section 3 - Composition / Information on Ingredients

Chemical name	CAS number	Conc
Water	7732-18-5	86 – 90 %
Alkyl (C10-16) Ether sulfate, sodium salt (Alternative CAS 68891-38-3)	68585-34-2	3 - 5 %
Sodium (C10-16) benzenesulfonate (Alternate CAS 68081-81-2)	25155-30-0	2 - 4 %
Ethanol	64-17-5	< 1 %
Sodium xylenesulphonate (SXS)	1300-72-7	< 1 %
Alcohols, C12-14, ethoxylated	68439-50-9	< 1 %
Dodecyl benzene Ln (C11)	123-01-3	< 1 %
Other components below reportable levels		< 1 %

Section 4 - First Aid Measures

3.1 Inhalation: Move to fresh air. Call a physician if symptoms develop or persist.

3.2 Skin contact: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

3.3 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 If swallowed: Call a physician or poison control center immediately if you feel unwell. Do not induce vomiting without advice from poison control center.

3.4 Most important symptoms/effects, acute and delayed:

Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

3.5 Indication of immediate medical attention and special treatment needed:

Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

3.6 General information: In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Section 5 - Fire-Fighting Measures

5.1 Suitable extinguishing media: Dry chemical, foam, carbon dioxide, water fog.

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

5.2 Specific hazards arising from the chemical: During fire, gases hazardous to health may be formed.

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

5.4 Fire-fighting equipment/instructions: Move containers from fire area if you can do so without risk.

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

5.6 General fire hazards: No unusual fire or explosion hazards noted.

Section 6 – Accidental Release Measures

6.1 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. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

6.2 Methods and materials for containment and cleaning up:

Should not be released into the environment. 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. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. 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.

6.3 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.

Section 7 - Handling and Storage

7.1 Precautions for safe handling: Do not taste or swallow. Avoid contact with skin. Avoid contact with eyes. Avoid contact with clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Avoid release to the environment. Do not empty into drains.

7.2 Conditions for safe storage, including any incompatibilities: Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

Section 8 - Exposure Controls / Personal Protection

8.1 Occupational exposure limits: No exposure limits noted for ingredient(s).

8.2 Biological limit values: No biological exposure limits noted for the ingredient(s).

8.3 Appropriate engineering controls: Ensure adequate ventilation, especially in confined areas. Eye wash facilities and emergency shower must be available when handling this product.

8.4 Individual protection measures, such as personal protective equipment:

Eye/face protection: Wear safety glasses with side shields (or goggles).

Hand protection Wear: appropriate chemical resistant gloves.

Skin protection: Wear appropriate chemical resistant clothing.

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.

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

General hygiene considerations: When using, do not eat, drink or 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.

Section 9 - Physical and Chemical Properties

Physical state: Liquid	Form: Liquid
Color: Light yellow	Odor: Not available
Odor threshold: Not available	pH: 7 – 8.5 as 10%
Melting point/freezing point: 32 °F (0 °C)	Flash point: > 154 °F (> 68 °C)
Initial boiling point and boiling range > 212 °F (> 100 °C)	
Evaporation rate: Est. slower than ethyl ether.	Flammability (solid, gas): Not available
Flammability limit – lower (%) Not available	Flammability limit - upper (%) Not available
Explosive limit - lower (%) Not available	Explosive limit - upper (%) Not available
Vapor pressure Not available	Vapor density Estimated lighter than air
Relative density Not available	Solubility (water) Not available
Auto-ignition temperature Not available	Decomposition temperature Not available
Viscosity: < 1250 cPs @ 77 °F (25 °C)	
Specific gravity 1.06 – 1.1	Pour point 33.8 °F (1 °C)

Section 10 - Stability and Reactivity

- 10.1 Reactivity:** The product is stable and non-reactive under normal conditions of use, storage and transport.
- 10.2 Chemical stability:** Material is stable under normal conditions.
- 10.3 Possibility of hazardous reactions:** No dangerous reaction known under conditions of normal use.
- 10.4 Conditions to avoid:** Avoid temperatures exceeding the flash point. Avoid contact with incompatible materials.
- 10.5 Incompatible materials:** Strong oxidizing agents.
- 10.6 Hazardous decomposition products:** Upon decomposition, this product may yield sulfur dioxide and oxides of sulfur.

Section 11- Toxicological Information

11.1 Information on likely routes of exposure

Ingestion: Harmful if swallowed.

Inhalation: Prolonged inhalation may be harmful.

Skin contact: Causes skin irritation.

Eye contact: Causes serious eye damage.

Symptoms related to the physical, chemical and toxicological characteristics:

Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

11.2 Information on toxicological effects

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/eye irritation: Causes serious eye irritation.

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

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

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

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

Specific target organ toxicity single exposure: Not applicable.

Specific target organ toxicity repeated exposure: Not applicable.

Aspiration hazard: Not applicable

Section 12 - Ecological Information

12.1 Ecotoxicity: Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

12.2 Persistence and degradability: Readily biodegradable.

12.3 Bioaccumulative potential: No data available.

12.4 Mobility in soil: No data available.

12.5 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.

Section 13 - Disposal Considerations

13.1 Disposal instructions: Dispose of contents/container in accordance with local/ regional/ national/international regulations.

13.2 Hazardous waste code: The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

13.3 Waste from residues / unused products: 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 (see: Disposal instructions).

13.4 Contaminated packaging: 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.

Section 14 – Transport Information

14.1 DOT

UN number UN3082

UN proper shipping name: Environmentally hazardous substance, liquid, N.O.S. (Sodium (C10-16) benzenesulfonate), MARINE POLLUTANT

14.2 Transport hazard class(es)

Class: 9

Subsidiary risk: N/A

Packing group: III

14.3 Environmental hazards

Marine pollutant: Yes

Special precautions for user: Read safety instructions, SDS and emergency procedures before handling

IATA: Not regulated as dangerous goods.

IMDG: Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not available

14.4 DOT

Section 15 – Regulatory Information

15.1 US federal regulations: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

15.2 Superfund Amendments and Reauthorization Act of 1986 (SARA Hazard categories)

Immediate Hazard - Yes

Delayed Hazard - No

Fire Hazard - No

Pressure Hazard - No

Reactivity Hazard: No

SARA 302 Extremely hazardous substance: No

SARA 311/312 Hazardous chemical: Yes

15.3 SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
1,4-dioxane	123-91-1	< 0.1

Other federal regulations

15.4 Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List: Not regulated.

15.5 Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

Not regulated.

15.6 Safe Drinking Water Act (SDWA): Not regulated

15.7 US. California Proposition 65: WARNING: This product may contain a chemical known to the State of California to cause cancer and birth defects or other reproductive harm: ethylene oxide (75-21-8). WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm. (US - California Proposition 65 - CRT: Listed date/Carcinogenic substance 1,4-dioxane (CAS 123-91-1) Listed: January 1, 1988)

15.8 International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Section 16 – Other Information

Prepared on October 19 2023

Version 01

NFPA ratings



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