



Safety Data Sheet

-1. Identification

Product identifier	SAFE MELT® 30/70
Other means of identification	
SDS number	02
Synonyms	-
Recommended use	-
Recommended restrictions	-
Manufacturer/Importer/Supplier/Distributor information	
Manufacturer/Supplier	Safe Road Services, LLC 3 McKinley Rd. Franklin, MA 02038
General Assistance	1-508-364-1739
E-Mail	SAFEROADSERVICES@comcast.net
Contact Person	-
Emergency Telephone	-

2. Hazard(s) Identification

Physical hazards	None Known	
Health hazards	Acute toxicity, oral	Category 4
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A

Label elements



Signal word	Warning
Hazard statement	H319 Causes serious eye irritation
Precautionary statement	P264 Wash skin thoroughly after handling. P280 Wear eye protection/ face protection. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical advice/ attention.
Prevention	<ul style="list-style-type: none">● Wash hands thoroughly after handling.● Do not eat, drink or smoke when using this product.● Wear protective gloves/protective clothing/eye protection/face protection.
Hazard(s) not otherwise classified (HNOC)	None known.

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Safety Data Sheet

SAFE MELT[®] 40/60

3. Composition/information on ingredients

Mixtures

Chemical Name (Common / Other Names)	CAS number	%
Calcium Chloride (CaCl ₂)	10043-52-4	70
Ammonium Lignin Sulfonate (OBPE Organic)	8061-53-8	30

4. First-aid measures

Inhalation	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if discomfort develops or persists.
Skin contact	Remove affected clothing and wash off with soap and plenty of water. Get medical attention if irritation develops or persists.
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.
Ingestion	Rinse mouth thoroughly. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content does not get into the lungs. Never give anything by mouth to a victim who is unconscious or is having convulsions. Get medical attention immediately.
Chronic (long-term) effects	Prolonged or repeated contact may cause irritation.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use solid water stream as it may scatter and spread fire.
Specific hazards arising from the chemical	None known.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus or self-contained breathing apparatus

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust. For personal protection see section 8
Methods and materials for containment and cleaning up	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. Handling and storage

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Precautions for safe handling Wash thoroughly after handling. Provide good ventilation in process area to prevent formation of vapor.

Conditions for safe storage, including any incompatibilities Keep only in the original container in a cool, well-ventilated place. Keep container closed when not in use, away from strong bases, strong acids, sources of ignition and direct sunlight.

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

None of the components in this product is listed.

Appropriate engineering controls: Use local exhaust to Control Mists

Individual protection measures, such as personal protective equipment



Eye/face protection

Safety glasses with side shields or chemical goggles if mist is present.

Skin protection

Hand protection

Avoid exposures – obtain special instructions before use. Wear protective gloves.

Other

Wear chemical-resistant, impervious gloves. Full body suit and boots are recommended when handling large volumes or emergency situations.

Respiratory protection

If high vapor or mist concentrates, use of a respirator is recommended.

Thermal hazards

Not needed during normal use.

General hygiene considerations

When using, do not eat, drink or smoke.

9. Physical and chemical properties

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Appearance	Dark Brown
Physical state	Liquid.
Form	Fluid.
Color	Brown.
Odor	Mild odor.
Odor threshold	Not available.
pH	3.5 – 6.5
Melting point/freezing point	Not available.
Initial boiling point and boiling range	212 °F
Flash point	Not available.
Evaporation rate	Slower than water.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
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	Not available.
Relative density (Specific gravity)	1.15 – 1.22
Solubility	
Solubility (water)	Complete.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Volatile Organic Compounds	40-45%

10. Stability and reactivity

Reactivity	Hazardous reactions will not occur under normal conditions.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Hazardous polymerization will not occur.
Conditions to avoid	None.
Incompatible materials	Not reactive.
Hazardous decomposition Products	Dried residue will give off combustion byproducts of carbon dioxide, water.

11. Toxicological information

Numerical measures of toxicity

Components	Test	Species	Test Results
Calcium Chloride	Oral LD ₅₀	Rat	1000-2000 mg/kg
(CAS#10043-52-4)	Dermal LD ₅₀	Rat	2630 mg/kg

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Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Causes serious eye irritation.
Respiratory or skin sensitization	
Respiratory sensitization	No data available.
Skin sensitization	No data available.
Germ cell mutagenicity	No data available.
Carcinogenicity	No data available.
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	Not listed.
Reproductive toxicity	No data available.
Specific target organ toxicity - single exposure	No data available.
Specific target organ toxicity - repeated exposure	No data available.
Aspiration hazard	No data available.

12. Ecological information

Numerical measures of toxicity

Components	Test	Species	Test Results
Calcium Chloride (CAS#10043-52-4)	Crustacea LC ₅₀	Water flea (<i>Ceriodaphnia sp.</i>)	1830 mg/l, 48 Hours

Persistence and degradability	No data available.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Other adverse effects	No data available.

13. Disposal considerations

Disposal instructions Dispose in accordance with all applicable regulations. Dispose this material and its container in a safe way.

Hazardous waste code

US RCRA Hazardous Waste U List :
Not regulated.

Contaminated packaging Container must be disposed of in accordance with local, state and federal regulations.

14. Transport information

DOT, IATA, and IMDG

UN number	Not Regulated.
UN proper shipping name	Not Regulated.
Transport hazard class(es)	

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Class	Not available.
Packing group	Not available.
Environmental hazards	
Marine pollutant	No
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

15. Regulatory information

US federal regulations This product is Non-Hazardous Chemical as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

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

CERCLA Hazardous Substance List (40 CFR 302.4)
Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)
SARA Title III Classification:

Not currently listed as toxic chemical under 40 CFR section 372.65.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not listed.

Safe Drinking Water Act (SDWA)
Not listed.

US State regulations

Massachusetts RTK – Substance List Not listed.

New Jersey Worker and Community Right-to-Know Act

Pennsylvania Worker and Community

Right-to-Know Law

California Proposition 65 Carcinogens & Reproductive Toxicity (CRT):

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No

*A "Yes" indicates this product complies 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).

16. Other information, including date of preparation or last revision

Issue date	-
Revision date	23-Sep-2018
Version #	-
NFPA Ratings	



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Disclaimer

The information, recommendations, and suggestions presented in this SDS are based upon test results and data believed to be reliable. The end user of the product has the responsibility for evaluating the adequacy of the data under the conditions of use, determining the safety, toxicity and suitability of the product under these conditions, and obtaining additional or clarifying information where uncertainty exists. No guarantee expressed or implied is made as to the effects of such use, the results to be obtained, or the safety and toxicity of the product in any specific application. Furthermore, the information herein is not represented as absolutely complete, since it is not practicable to provide all the scientific and study information in the format of this document, plus additional information may be necessary under exceptional conditions of use, or because of applicable laws or government regulations.

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