



Health	2
Fire	0
Reactivity	1
Personal Protection	E

# Material Safety Data Sheet

## Fusion mixture MSDS

### Section 1: Chemical Product and Company Identification

<b>Product Name:</b> Fusion mixture <b>Catalog Code:</b> 10717 <b>CAS#: Mixture</b> <b>RTECS:</b> Not Available <b>TSCA:</b> Not Available <b>Synonym:</b> None <b>Chemical Formula:</b> Not Applicable	<b>Contact Information:</b> <b>Finar Limited</b> 184-186/P, Chacharwadi Vasna, Sarkhej-Bavla Highway, Ta.: Sanand, Dist.: Ahmedabad, Email: info@finarchemicals.com Web: www.finarchemicals.com
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### Section 2: Composition and Information on Ingredients

<b>Composition:</b>		
Name CAS	#	%
Sodium carbonate	497-19-8	--
Potassium carbonate	584-08-7	--
Hazard Symbols: XI		
Risk Phrases: 36		

### Section 3: Hazards Identification

<b>EMERGENCY OVERVIEW</b> Irritating to eyes. Hygroscopic (absorbs moisture from the air). Heat sensitive.
<b>Potential Health Effects</b> <b>Eye:</b> Contact with eyes may cause severe irritation, and possible eye burns.
<b>Skin:</b> May cause severe irritation and possible burns.
<b>Ingestion:</b> May cause severe gastrointestinal tract irritation with nausea, vomiting and possible burns.
<b>Inhalation:</b> May cause irritation of the respiratory tract with burning pain in the nose and throat, coughing, wheezing, shortness of breath and pulmonary edema.
<b>Chronic:</b> May cause reproductive and fetal effects.

### Section 4: First Aid Measures

<b>Eyes:</b> Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
<b>Skin:</b>

Get medical aid. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

**Ingestion:**

If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

**Inhalation:**

Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

**Notes to Physician:**

**Section 5: Fire and Explosion Data**

**General Information:**

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

**Extinguishing Media:**

In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

**Section 6: Accidental Release Measures**

**General Information:**

Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:**

Vacuum or sweep up material and place into a suitable disposal container. Reduce airborne dust and prevent scattering by moistening with water. Clean up spills immediately, observing precautions in the Protective Equipment section. Provide ventilation.

**Section 7: Handling and Storage**

**Handling:**

Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and wash before reuse. Use only in a well-ventilated area. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale.

**Storage:**

Keep container closed when not in use. Store in a cool, dry, well-ventilated area away from incompatible substances.

**Section 8: Exposure Controls/Personal Protection**

**Engineering Controls:**

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.

**Exposure Limits**

CAS# 497-19-8:

Russia: 5 mg/m<sup>3</sup> TWA

CAS# 584-08-7:

Russia: 2 mg/m<sup>3</sup> TWA

**Personal Protective Equipment**

**Eyes:**

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:**

Wear appropriate protective gloves to prevent skin exposure.

**Clothing:**

Wear appropriate protective clothing to prevent skin exposure.

**Respirators:**

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

### Section 9: Physical and Chemical Properties

Physical State: Solid  
Color: white  
Odor: None reported.  
pH: Not available.  
Vapor Pressure: Not available.  
Viscosity: Not available.  
Boiling Point: Not available.  
Freezing/Melting Point: Not available.  
Autoignition Temperature: Not applicable.  
Flash Point: Not applicable.  
Explosion Limits, lower: Not available.  
Explosion Limits, upper: Not available.  
Decomposition Temperature: Not available.  
Solubility in water: Soluble.  
Specific Gravity/Density: Not available.  
Molecular Formula: Mixture  
Molecular Weight: 0

### Section 10: Stability and Reactivity Data

**Chemical Stability:**

Stable under normal temperatures and pressures.

**Conditions to Avoid:**

High temperatures, dust generation, exposure to moist air or water.

**Incompatibilities with Other Materials:**

Sodium carbonate reacts explosively with red hot aluminum metal. Incompatible with ammonia+silver nitrate, 2,4-dinitrotoluene, 2,4,6-trinitrotoluene, sulfuric acid, sodium sulfide+water, lithium, phosphorus pentoxide, fluorine, sulfuric acid and water. Hot concentrated solutions are mildly corrosive to steel. Potassium carbonate reacts dangerously with aluminum, fluorine, magnesium, silicon and chlorine trifluoride.

**Hazardous Decomposition Products:**

No data available.

**Hazardous Polymerization:** Has not been reported

### Section 11: Toxicological Information

**RTECS#:**

CAS# 497-19-8: VZ4050000

CAS# 584-08-7: TS7750000

**LD50/LC50:**

CAS# 497-19-8: Draize test, rabbit, eye: 100 mg/24H Moderate; Draize test, rabbit, eye: 50 mg Severe; Draize test, rabbit, skin: 500 mg/24H Mild; Inhalation, mouse: LC50 = 1200 mg/m<sup>3</sup>/2H; Inhalation, rat: LC50 = 2300 mg/m<sup>3</sup>/2H; Oral, mouse: LD50 = 6600 mg/kg; Oral, mouse: LD50 = 6600 mg/kg; Oral, rat: LD50 = 4090 mg/kg.

CAS# 584-08-7: Oral, mouse: LD50 = 2570 mg/kg; Oral, rat: LD50 = 1870 mg/kg.

**Carcinogenicity:**

Sodium carbonate anhydrous - Not listed by ACGIH, IARC, or NTP.

Potassium carbonate - Not listed by ACGIH, IARC, or NTP.

**Other:**

See actual entry in RTECS for complete information.

### Section 12: Ecological Information

**Ecotoxicity:**

CAS# 497-19-8: LC50 (96hr) bluegill = 320 mg/L; Static Conditions.

### Section 13: Disposal Considerations

Products which are considered hazardous for supply are classified as Special Waste and the disposal of such chemicals is covered by regulations which may vary according to location. Contact a specialist disposal company or the local waste regulator for advice. Empty containers must be decontaminated before returning for recycling.

## Section 14: Transport Information

### IATA

Shipping Name: Not regulated.

Hazard Class:

UN Number:

Packing Group:

### IMO

Shipping Name: Not regulated.

Hazard Class:

UN Number:

Packing Group:

### RID/ADR

Shipping Name: Not regulated.

Hazard Class:

UN Number:

Packing group:

## Section 15: Other Regulatory Information

### European/International Regulations

#### European Labeling in Accordance with EC Directives

Hazard Symbols: Xi

Risk Phrases:

R 36 Irritating to eyes.

Safety Phrases:

S 22 Do not breathe dust.

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

#### WGK (Water Danger/Protection)

CAS# 497-19-8: 1

CAS# 584-08-7: 1

#### Canada

CAS# 497-19-8 is listed on Canada's DSL List.

CAS# 584-08-7 is listed on Canada's DSL List.

CAS# 497-19-8 is listed on Canada's Ingredient Disclosure List.

CAS# 584-08-7 is listed on Canada's Ingredient Disclosure List.

#### US FEDERAL

TSCA

CAS# 497-19-8 is listed on the TSCA inventory.

CAS# 584-08-7 is listed on the TSCA inventory.

## Section 16: Other Information

**References:** Not available.

**Other Special Considerations:** Not available.

**Created:** 10/06/2010

**Last Updated:** 24/11/2012

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