

MATERIAL SAFETY DATA SHEET

Product: Pyro-Paint 634-ZO
Revision Date: 1/03/2012

1. MATERIAL IDENTIFICATION

Product Name: Pyro-Paint 634-ZO

Product Description: Off-White, Solvent Odor, Liquid
Product Use: High Temperature Refractory Coating

Manufacturer: Aremco Products, Inc.
707-B Executive Blvd.
Valley Cottage, NY 10989

Telephone: 845-268-0039
Emergency Phone: 845-268-0039 or Infotrac (24/7) 800-535-5053

2. COMPOSITION

Ingredient	CAS #	ACGIH TLV (mg/m ³)	OSHA PEL (mg/m ³)
Zirconium Dioxide ¹	1314-23-4	5	10
Alumino-Silicate	1332-58-7	N/E	N/E
Silicate Solution	1344-09-8	N/E	N/E
Water	7732-18-5	N/A	N/A
Silicone Emulsion Mixture	N/D	N/E	N/E
Xylene (5-10%)	1330-20-7	435	435
Methanol (0.5-0.99%)	67-56-1	325	325
1-Propanol, 2-Methyl- (2-3%)	78-83-1	150	310
Formaldehyde (0.002%)	50-00-0	.6	N/D
Acetic Acid, Butyl Ester (< 0.1%)	123-86-4	N/D	N/D
Benzene, Ethyl (< 3%)	100-41-4	N/D	N/D

Notes:

- 1) This product is a liquid mixture and all powders are encapsulated.
- 2) Exposure values shown for guidance only. Please follow applicable regulations.

¹ Traces of radioactive components with natural origin (U + Th < 0.05%).

3. HAZARDS IDENTIFICATION

Emergency Overview: Off-white liquid, solvent odor. May cause moderate irritation to eyes, skin, and digestive tract.

Eye Contact: Prolonged and repeated exposure may cause irritation to the eyes.

Skin Contact: No harmful effects have been reported on skin contact.

Inhalation Acute: No harmful effects have been reported upon inhalation.

Ingestion Acute: No harmful effects have been reported upon ingestion.

Primary Routes of Entry: Eyes.

Target Organs: Eyes.

HMIS: Health: 1
Flammability: 1
Reactivity: 0
Personal Protection: J

4. FIRST AID MEASURES

Eye Exposure:

Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek immediate medical attention, preferably with an ophthalmologist. If a physician is not immediately available, eye irrigation should be continued for an additional 15 minutes.

Skin Exposure:

Immediately wipe excess material off skin with a dry cloth then wash with plenty of soap and water for at least 5 minutes. See medical attention if irritation develops or persists. Remove contaminated clothing and shoes and clean thoroughly before re-use.

Inhalation:

Remove from immediate source of exposure and place in fresh air; assure that victim is breathing. If not breathing, administer cardio-pulmonary resuscitation (CPR). If breathing is difficult, administer oxygen if available. Seek medical attention.

Ingestion:

Drink large quantities of water and induce vomiting (one tablespoon of salt in one glass of warm water). Do not allow vomit to be inhaled into the lungs. Seek medical attention immediately

Medical Conditions Possibly Aggravated by Exposure:

Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis. Skin contact may aggravate existing skin disease.

5. FIRE FIGHTING MEASURES

Flash Point:

> 200 °F

Flammable Limits:

Not measured.

Extinguishing Media:

Foam, carbon dioxide, dry powder, water spray.

Special Fire Fighting Procedures:

Firefighters should wear NIOSH/MSHA approved positive pressure breathing apparatus with full face-piece and full chemical resistant protective clothing. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later.

Unusual Fire and Explosion Hazards: This material can release carbon monoxide, carbon dioxide, and silicon dioxide.

6. ACCIDENTAL RELEASE MEASURES

Personal Protection:

Wear chemical goggles, body-covering protective clothing, chemical resistant gloves, and rubber boots. Use NIOSH approved respirator where mist occurs.

Spill Cleanup:

Ensure adequate ventilation. Take up with absorbent material (e.g., sand). Dispose of absorbed material in accordance with federal, state and local regulations or permits. Flush area with water to complete cleanup.

7. HANDLING AND STORAGE

Handling:

Ensure adequate ventilation. Avoid contact with eyes, skin and clothing. Avoid breathing spray mist. Keep container closed. Promptly clean residue from closures with cloth dampened with water. Promptly clean up spills.

Storage:

Store in an area that is cool, dry, well ventilated, away from combustible material, and away from ignition sources. Keep containers closed. Store in clean plastic or stainless steel containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls:

Use with adequate ventilation. Keep containers closed. Safety shower and eyewash fountain should be within direct access.

Respiratory Protection:

This product is not considered respirable in either the liquid or cured forms. However, if the cured product is polished, ground or chipped during processing, handling or use, powders may be released as airborne respirable particles. In these instances, appropriate personal protection equipment and local ventilation controls must be employed. If exposure limits are exceeded and local ventilation is unavailable, a supplied-air respirator or a self-contained NIOSH-approved dust and mist respirator is required.

Skin Protection:

Wear body-covering protective clothing and gloves. A protective glove made of fluorinated rubber is recommended.

Eye Protection:

Wear chemical goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical here represent typical properties of this product. Contact Technical Sales for exact specifications.

Appearance:	Liquid
Color:	Off-White
Odor:	Solvent
pH:	> 8
Specific Gravity, g/cc	2.0
Water Solubility:	Miscible
Melting Point:	Not measured
Boiling Point:	212 °F
Vapor Pressure:	Not measured
Vapor Density (air=1):	Not available
VOC Content:	0.15 lb/gal

10. STABILITY AND REACTIVITY

Chemical Stability:	This material is stable under all conditions of use and storage.
Conditions to Avoid:	Contact with strong oxidizing agents.
Materials to Avoid:	Reacts with oxidizing agents.
Hazardous Decomposition Products:	None with proper storage and handling.
Hazardous Polymerization:	Will not occur.

11. TOXICOLOGICAL INFORMATION

Note:	Due to the composition of the product it cannot be excluded that prolonged and repeated contact will result in irritation of the eyes. Proper use provided, no adverse health effects have been observed or have come to our attention.
--------------	---

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Not tested, but should not be allowed to enter soil or waterways.
Environmental Fate:	Not tested.

13. DISPOSAL CONSIDERATIONS

Disposal Method:	Dispose in accordance with federal, state and local regulations and permits.
-------------------------	--

14. TRANSPORTATION INFORMATION

DOT UN Status:	The material is not a regulated hazardous material for transportation.
-----------------------	--

15. REGULATORY INFORMATION

U.S. Federal Regulations

CERCLA:	CAS No.	Lbs
	1330-20-0	100
	50-00-0	100
	71-36-3	500
	78-83-1	500

TSCA:	All ingredients of this material are listed on the TSCA inventory.
--------------	--

SARA Section 313:	Components	CAS No.	Concentration (%)
	1-Butanol	71-36-3	0-0 (0.0003)
	Methanol	67-56-1	0-0 (0.87)
	Xylenes (o-, m-, p- Isomers)	1330-20-7	0-0 (7.27)
	Formaldehyde	50-00-0	0-0 (0.002)
	Ethylbenzene	100-41-4	0-0 (2.42)

SARA Sections 311, 312	Hazard Classes
	Fire Yes
	Reactivity No
	Pressure No
	Immediate No
	Delayed No

International Inventory	Country
	Canada (DSL) Yes
	Europe (EINECS/ELINCS) Yes
	Australia (AICS) Yes
	Japan (MITI) Yes
	South Korea (KECL) Yes

16. OTHER INFORMATION

NFPA:	Health:	1
	Flammability:	1
	Reactivity:	0

Key Legend Information

ACGIH	American Conference of Governmental Industrial Hygienists
ARD	International Agency for Research on Cancer
CAS	Chemical Abstract Service
CERCLA	Comprehensive Environmental Response, Compensation & Liability Act
DSL	Domestic Substance List
HMIS	Hazardous Materials Identification System
ND	Not Determined
NE	Not Established
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety & Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RTECS	Registry of Toxic Effects of Chemical Substances
SARA	Superfund Amendments & Reauthorization Act
SARA Title III	Emergency Planning & Community Right to Know Act
SARA Section 302	Extremely Hazardous Substances
SARA Section 304	Emergency Release
SARA Section 311	MSDS/List of Chemicals & Hazardous Inventory
SARA Section 312	Emergency & Hazardous Inventory
SARA Section 313	Toxic Chemicals & Release Reporting
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average

Disclaimer: The information contained herein is based on data taken from sources believed to be both current and reliable at the time of publication. Aremco Products, Inc. makes no warranty, expressed or implied, as to the accuracy of this MSDS and assumes no liability arising from its use by others. Compliance with all applicable Federal, State and Local laws and regulations remains the responsibility of the user.