

MATERIAL SAFETY DATA SHEET

May be used in compliance with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

IDENTITY (As used on label and list)

POLAR EXPRESS

SECTION I

MANUFACTURER'S NAME AND ADDRESS
MILAZZO INDUSTRIES, INC.
1609 RIVER ROAD
PITTSBURGH, PA, 15206
(570) 654-2433
EMERGENCY TELEPHONE NUMBER

(570) 654-2433
TELEPHONE NUMBER FOR INFORMATION
(570) 654-2433
DATE PREPARED 1/05/98

SECTION II --

HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS INGREDIENTS	%	TLV (Unit(s))
None		
DOT HAZARDOUS MATERIALS DESCRIPTION:		
None		
SPECIAL HAZARD DESIGNATIONS NFPA Designation 704		
DEGREE OF HAZARD	HAZARD	
4 = EXTREME	HEALTH (Blue)	1
3 = HIGH	FLAMMABILITY (Red)	0
2 = MODERATE	REACTIVITY (Yellow)	1
1 = SLIGHT	SPECIAL HAZARD	None
0 = INSIGNIFICANT		

SECTION III SUPPLIER NOTIFICATION

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning Community Right-To-Know Act of 1996 and of 40 CFR 372:

None

This information must be included in all MSDS that are copied and distributed for this material

NON-HAZARDOUS INGREDIENTS	%	TLV (Unit(s))
Proprietary Blend	100%	None

SECTION III -- PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: Approx. 140° C (700 mm Hg)
VAPOR PRESSURE (mm Hg): 1 mm @ 65° C
VAPOR DENSITY (AIR = 1): N/A
SPECIFIC GRAVITY (H₂O = 1): 2.10 - 2.15
MELTING POINT: N/A
EVAPORATION RATE (Butyl Acetate = 1): N/A
SOLUBILITY IN WATER: 1 gram in 2.8 ml water at 25° C
APPEARANCE AND ODOR: Blue non-staining crystals with no odor

SECTION IV -- FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method Used): Non-flammable, non-combustible
FLAMMABILITY LIMITS: LEL N/A UEL N/A
EXTINGUISHING MEDIA: Water and other standard fire fighting agents for source of fire
SPECIAL FIRE FIGHTING PROCEDURES: Wear full protective clothing and self-contained breathing apparatus
UNUSUAL FIRE AND EXPLOSION HAZARDS: At elevated temperatures, product may decompose to cyanuric acid, ammonia, boric acid, carbon dioxide, and nitrogen oxides. When heated to decomposition it emits toxic fumes of chlorine and sodium oxide.

SECTION V -- REACTIVITY DATA

STABILITY: (X) STABLE () UNSTABLE
CONDITIONS TO AVOID: Excessive heat above 266° F, bromine trifluoride and lithium
INCOMPATIBILITY (Materials to Avoid): Incompatible with sodium nitrite, phosphorous pentachloride, nitrosylperchlorate
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Above 266° F decomposition starts with formation of ammonia, cyanuric acid, carbon dioxide, boric acid and nitrogen oxides.
HAZARDOUS POLYMERIZATION () May Occur (X) Will Not Occur

SECTION VI -- HEALTH HAZARD DATA

ROUTE(S) OF ENTRY:

INHALATION? No

SKIN? Mild Irritant

INGESTION? Non-toxic

HEALTH HAZARDS (Acute and Chronic): Acute Systemic Effects - Ingestion of large amounts can cause irritation of the stomach. Chronic Systemic Effects: No applicable information found. This product is non-toxic under OSHA 1910.1200 Hazard Communication, Appendix A parts 346. (Oral Toxicity) This product is also non-toxic to the skin, eye, and through inhalation.

CARCINOGENICITY:

NTP? No

IARC Monographs? No

OSHA Regulated? No

SIGNS AND SYMPTOMS OF EXPOSURE: **INGESTION** - Disagreeable taste, nausea and vomiting. **SKIN CONTACT** - Irritation, inflammation, small ulcerations. **EYE CONTACT** - Mechanical irritation, watering of eyes, inflammation of conjunctivas. **INHALATION** - Slight irritation of nose, sneezing.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Dermatitis

EMERGENCY AND FIRST AID PROCEDURES: **EYE CONTACT** - Wash the affected eye or eyes under slowly running water for 15 minutes or longer making sure that the victim's eyelids are held wide apart and he moves his eyes slowly in every direction. Make sure that no solid particles remain in the creases of the eye; if they do, continue to wash the eye. If the pain persists, the medical service will refer the victim to an ophthalmologist. **SKIN CONTACT** - Remove the victim from the source of contamination. Remove clothing from the affected area. Wash affected area under the shower. Rinse carefully. Dry gently with a clean soft towel. If the skin is inflamed or painful, contact the medical service who will treat it in the same way as a heat or thermal burn. **INHALATION** - Make the victim blow his nose to remove the dust but discourage him from sniffing. If there is any doubt about the victim's condition send or escort him to the infirmary, first-aid room or hospital. **INGESTION** - Make the victim vomit by having him sicken his finger down his throat or tickling his uvula with the handle of a spoon. Afterwards give him as much milk or water as he wants.

SECTION VII --

PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Prevent large quantities from contacting vegetation or waterways. Keep animals away from large spills.

WASTE DISPOSAL METHOD: Material may be dumped or flushed away with water. Dilution with water is the only practical method to meet requirements.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep dry and avoid heating in handling and storage. Storage should be in a clean, dry location.

SECTION VIII -- CONTROL MEASURES

RESPIRATORY PROTECTIONS (Specify Type): Dust mask when exposure exceeds the OSHA Nuisance Dust Standard of 15 mg/m³

VENTILATION:

LOCAL EXHAUST: Acceptable

MECHANICAL (GENERAL): Preferred

SPECIAL: None

OTHER: Normal dust removal

PROTECTIVE GLOVES: No protection normally required. If irritation occurs, long sleeves and impervious gloves should be worn.

EYE PROTECTION: Safety glasses, goggles or face shields should be worn to prevent eye irritation or injury

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None

WORK/HYGIENIC PRACTICES: Do not eat, smoke, or drink while using this material. Wash hands thoroughly after handling or using this material.