

MATERIAL SAFETY DATA SHEET NPCA 1-84

EMERGENCY TELEPHONE NO.

1 (800) 535-5053

INFORMATION TELEPHONE NO.

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DATE OF REVIEW: a

(Replaces December 20, 1991)

REVERE PRODUCTS  
1529 INDUSTRIAL PARKWAY  
LEVELAND, OH 44135

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SECTION I - PRODUCT IDENTIFICATION

PRODUCT NUMBER: #75930  
#75945

PRODUCT NAME: RUST-NIX ALUMINUM

PRODUCT CLASS: PIGMENTED PAINT

SECTION II - HAZARDOUS INGREDIENTS

| INGREDIENT                                 | CAS NUMBER  | % WEIGHT | OCCUPATIONAL EXPOSURE LIMITS  |         | PEL   | VAPOR PRESSURE<br>mm/Hg |
|--|-------------|----------|---|---------|---|-------------------------|
|  |             |          | TLV   | STEL    |   |                         |
| Mineral Spirits                            | 64742-47-8  | 30       | 100 ppm   | N/A     | 500 ppm   | 2.6/68°F                |
| Amorphous Silica                           | 112926-00-8 | <5       | 10 mg/M <sup>3</sup>  | N/A     | 80 mg/M <sup>3</sup><br>SiO <sub>2</sub>                                      | N/A                     |
| Toluene                                    | 108-88-3    | <5       | 100 ppm   | 150 ppm | 200 ppm<br>300 ppm (ceiling)  | 22/68°F                 |
| Alumina                                    | 7429-90-5   | 10       | 15 mg/M <sup>3</sup><br>(total dust)<br>5 mg/M <sup>3</sup><br>(respir. dust) | N/A     | 15 mg/M <sup>3</sup><br>(total dust)<br>5 mg/M <sup>3</sup><br>(respir. dust) | N/A                     |
| Xylene                                     | 1330-20-7   | <5       | 100 ppm   | 150 ppm | 100 ppm   | 5.1/68°F                |
| Cobalt Carboxylate<br>(17.1% Cobalt as Co) | Mixture     | <.4      | 0.05 mg/M <sup>3</sup><br>(as Co, fume and dust)                              | N/A     | 0.05 mg/M <sup>3</sup><br>(as Co, fume and dust)                              | N/A                     |

SECTION III - PHYSICAL DATA

Boiling Range - 232-383°F  
Vapor Density - Heavier than air

Volatile Volume - 49%

Nt./Gal. - 8.20 lbs.

Evaporation Rate - Slower than ether

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: OSHA: FLAMMABLE LIQUID CLASS. IC  
DOT: FLAMMABLE LIQUID

Flash Point: 91°F  
LEL: 0.1%

EXTINGUISHING MEDIA: CO<sub>2</sub>, Dry Chemical

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, or other ignition sources at locations distant from material handling point. Closed containers may explode when exposed to extreme heat. Never use a welding or cutting torch on or near a drum (even empty) because product (even just residue) can ignite explosively.

SPECIAL FIREFIGHTING PROCEDURES: Do not use water or liquid extinguishing agents of any kind. Self-contained breathing apparatus with a full facepiece operated in pressure-demand or other positive pressure mode. Aluminum can react violently with halogenated fire extinguishing agents such as Halon and Carbon Tetrachloride.

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:

Eyes: Can cause severe irritation, redness, tearing, blurred vision.

Skin: Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis.

Breathing: Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, fatigue, headache, possible unconsciousness, and even asphyxiation.

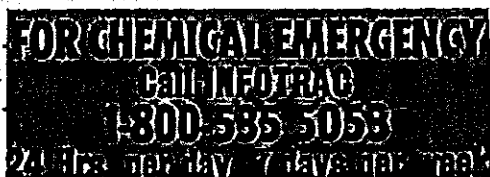
Ingestion: Swallowing can cause gastrointestinal irritation, nausea, vomiting, diarrhea.

NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: Respiratory tract irritation, dermatitis, nausea.

PRIMARY ROUTE(S) OF ENTRY: Inhalation, Ingestion

**\*\* WARNING:** This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.



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**EMERGENCY FIRST AID PROCEDURES:**  
 If in eyes: Flush with large amounts of water, lifting upper and lower lids occasionally, get medical attention.  
 If on skin: Wipe right off, then thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use.  
 If breathed: If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, quiet and get medical attention.  
 If swallowed: Do not induce vomiting, keep person warm, quiet and get medical attention. Aspiration of material into the lungs due to vomiting can cause chemical pneumonitis, which can be fatal.

**NOTE:** Ingestion of significant amounts of cobalt has been reported to have the potential for causing blood, heart, thyroid, and pancreas damage. The International Agency for Research on Cancer (IARC) has classified cobalt and cobalt compounds as Group 2B carcinogens. Group 2B carcinogens are possibly carcinogenic to humans. See IARC Monograph, Volume 52. See Section II.

**SECTION VI - REACTIVITY DATA**

**HAZARDOUS POLYMERIZATION:** Will not occur.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Burning may form toxic materials: carbon dioxide, carbon monoxide, various hydrocarbons, aluminum oxides, etc.  
**CONDITIONS TO AVOID:** Avoid smoking, open flames, sparks, and contact with incompatible materials.  
**INCOMPATIBILITY (MATERIALS TO AVOID):** Avoid contact with water, halogenated hydrocarbons, oxidizing agents, acids, and alkali. Reaction may produce hydrogen which is an extremely flammable gas that forms explosive mixtures with air.

**SECTION VII - SPILL OR LEAK PROCEDURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Small spills may be absorbed on vermiculite, floor absorbent, or other absorbent materials. Large spills should be diked to contain material and liquid pumped to salvage tank. Remaining liquid may be taken up on absorbent material.  
**WASTE DISPOSAL METHOD:** Incinerate or deposit in landfill in accordance with all local, state and federal regulations.

**SECTION VIII - SAFE HANDLING AND USE INFORMATION**

**RESPIRATORY PROTECTION:** When spraying this material use a NIOSH approved respirator suitable to keep the airborne mists and vapor concentrations below the TLV value. In poorly ventilated and confined spaces, use a fresh air supplying respirator or self-contained breathing apparatus.  
**VENTILATION:** Sufficient general mechanical ventilation or local exhaust should be provided to keep vapor concentrations below TLV.  
**PROTECTIVE GLOVES:** Wear resistant gloves, such as nitrile rubber.  
**EYE PROTECTION:** Chemical safety glasses, goggles, or face shield.  
**OTHER PROTECTIVE EQUIPMENT:** Use impermeable aprons and protective clothing if splashing may occur.  
**HYGIENIC PRACTICES:** Wash hands before eating, smoking, or using the washroom.

**SECTION IX - SPECIAL PRECAUTIONS**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Keep closures tight and containers upright to prevent leakage. Keep containers closed when not in use. Do not store or use near heat, sparks, or flames.  
**OTHER PRECAUTIONS:** Drums must not be washed out or used for other purposes. Do not weld or flame cut empty drums. Dust particles resulting from sanding, blasting, or abrading the dry coating will create a hazardous dust, see Section II. Wear a NIOSH approved respirator. This dust is flammable and can react with water and other chemicals to produce hydrogen. See Section IV. Store containers away from contact with water.

**SECTION X - SARA SECTION 313 DATA**

This product contains the following materials which are reportable under SARA Title III, Section 313:

|                  |           |  |
|------------------|-----------|--|
| Toluene          | 108-88-3  | 4.8% (0.39 lbs./gal.)                                  |
| Xylene           | 1330-20-7 | 2.7% (0.22 lbs./gal.)                                  |
| Cobalt compounds | ---       | 0.2% (0.02 lbs./gal.) containing 11.1% cobalt as metal |

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