

M A T E R I A L S A F E T Y D A T A S H E E T

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***** I. PRODUCT IDENTIFICATION *****

TRADE NAME - Aluminum Roof Coating PRODUCT CODE: 3035
CHEMICAL FAMILY - Petroleum, Petroleum Hydrocarbons and Aluminum Paste

***** II. HAZARDOUS INGREDIENTS *****

- | | | | |
|--|--------------------------|---------------------------------|------------|
| 1. Aromatic 150/Solvent naphtha (petroleum), heavy aromatic
CAS# 64742-94-5 | PEL: 400 ppm | TLV: 100 ppm | WT.% 10-25 |
| 2. Stoddard Solvent
CAS# 8052-41-3 | PEL: 500 ppm | TLV: 100 ppm | WT.% 25-40 |
| 3. Aluminum
CAS# 7429-90-5 | PEL: 15mg/m ³ | TLV: 10mg/m ³ (dust) | WT.% 20-35 |
| 4. Asphalt ,Oxidized
CAS# 64742-93-4 | PEL: 5mg/m ³ | TLV: 5mg/m ³ (fumes) | WT.% 15-30 |

This material is not known to contain any chemicals on the SARA Section 313 list at a concentration greater than 1.0% or any carcinogenic chemical at a concentration greater than 0.1%.

***** III. PHYSICAL/CHEMICAL DATA *****

BOILING POINT(°F/C): 320/160 IBP SPECIFIC GRAVITY (H₂O=1): 0.9796
VAPOR PRESSURE (mm Hg): 31 VAPOR DENSITY (Air=1): > 1
PERCENT VOLATILE BY VOL.: 59
SOLUBILITY IN WATER: Negligible
EVAPORATION RATE (Butyl Acetate=1): < 0.2 (solvent portion)
VOLATILE ORGANIC COMPOUNDS (VOC's), grams/l.: 540
APPEARANCE AND ODOR - Silver liquid with petroleum solvent odor

***** IV. FIRE AND EXPLOSION HAZARD DATA *****

FLASH POINT(°F/C): 102/39 (PMCC)
FLAMMABLE LIMITS: Lel 0.5% Uel 6%
EXTINGUISHING MEDIA: CO₂, Foam, Dry Powder
SPECIAL FIRE FIGHTING PROCEDURES: Use air-supplied breathing equipment for enclosed areas. Cool exposed containers with water fog.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Contact with water slowly liberates highly flammable gas (hydrogen) and heat. Do not store with strong oxidants. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA):
HEALTH: 1 FLAMMABILITY: 2 REACTIVITY: 1

***** V. HEALTH HAZARD DATA *****

TLV/PEL: See Section II
CARCINOGENS - Some asphalts and some asphalt solutions have produced skin cancer in laboratory animals (mice) when painted on the animals frequently and exposed

over long periods of time. (IARC, Part 4, Volume 35, page 71). There is inadequate evidence that bitumens alone are carcinogenic to humans.

PRINCIPAL ROUTES OF EXPOSURE - Eyes and Skin

EFFECTS OF OVEREXPOSURE - Inhalation (high vapor concentration) may cause dizziness, headaches, unconsciousness. May be irritating to mucous membranes. Prolonged or repeated contact of skin will dry and defat the skin leading to irritation and dermatitis. May be moderately irritating to eyes. Ingestion may be harmful or fatal. This product in high concentrations may be a sensitizer; blood, liver and kidney toxin.

EMERGENCY AND FIRST AID PROCEDURES - Wash skin thoroughly with soap and water, apply emollient cream or lotion if irritation occurs. Flush eyes with clear water for 15 minutes or until irritation subsides; get medical attention if irritation persists. For inhalation, remove to fresh air. In case of ingestion DO NOT induce vomiting; call a physician immediately.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE - Unknown

NOTES TO PHYSICIAN - None

***** VI. REACTIVITY DATA *****

STABILITY - Stable

CONDITIONS TO AVOID - None known

INCOMPATIBILITY (Materials to Avoid) - Strong oxidizers, water, halogenated hydrocarbons

HAZARDOUS DECOMPOSITION PRODUCTS - Incomplete combustion forms carbon monoxide; aluminum oxide and aluminum nitride.

HAZARDOUS POLYMERIZATION - Will not occur

***** VII. PRECAUTIONS FOR SAFE HANDLING AND USE *****

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED - Remove all ignition sources. Pick up spilled material using mechanical equipment and place in disposal containers. Use absorbent material to pick up remaining spillage. All clean-up materials should be placed in disposal containers.

WASTE DISPOSAL METHOD - Federal, State and/or Local approved disposal for an ignitable material

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE - Store at temperatures below 95°F (35°C). Keep away from sparks, open flames and strong oxidizers. Use with adequate ventilation. Keep container closed when not in use.

OTHER PRECAUTIONS - Avoid breathing vapors. Avoid prolonged or repeated contact with skin. Remove contaminated clothing, launder before reuse.

***** VIII. CONTROL MEASURES *****

RESPIRATORY PROTECTION - Not needed under normal conditions. See Section IV for special conditions.

VENTILATION - Formulated for outdoor usage

PROTECTIVE GLOVES - Chemical-resistant gloves for prolonged or repeated skin contact

EYE PROTECTION - Goggles if splashing could occur

OTHER PROTECTIVE EQUIPMENT - None required

WORK/HYGIENIC PRACTICES - Observe good personal hygiene practice when handling this material.

***** IX. TRANSPORTATION DATA *****

DOT SHIPPING NAME - N/A
 DOT HAZARD CLASS - Exception 49 CFR 173.150 (f)
 IDENTIFICATION NUMBER - N/A
 DOT LABEL(S) - N/A
 FREIGHT CLASSIFICATION - Roof coating, asphalt base
 IMCO DESCRIPTION: Tars, Liquid IMCO CLASSIFICATION: 3.3
 UN NUMBER: 1999 IMCO LABEL: Flammable Liquid
 ERG No. 130 Ems NUMBER - 3-05 MFAG TABLE NUMBER - 311

FOR ADDITIONAL INFORMATION CONTACT: Regulatory Affairs Office
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