



LUCAS *Coatings & Mastics for the Roofing Trade*

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MATERIAL SAFETY DATA SHEET

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Date of preparation: 10-10-2011

Product(s): Lucas #637 Aluminum Roof Coatings

Prepared by: R Barry

SECTION I PRODUCT IDENTIFICATION

CHEMICAL FAMILY: Asphalt

FORMULA: Mixture

| <u>NAME</u> | <u>C.A.S. #</u> | <u>EXPOSURE LIMITS</u> | <u>% by Weight</u> |
|--|-----------------|--|--------------------|
| Asphalt | 8052-42-4 | OSHA PEL 5 mg/m ³ ACGIH TLV 5mg/m ³ | 30-50 |
| Mineral Spirits | 8052-41-3 | OSHA PEL 100 ppm ACGHI TLV 100 ppm | 30-40 |
| Aluminum Flake | 7429-90-5 | OSHA PEL: NE ACGIH TLV: 10 mg/m ³ | 10-30 |
| High Flash Naphtha | 64742-95-6 | OSHA PEL: 100ppm ACGIH: 100ppm | 5-25 |
| ~*1,2,4, Trimethylbenzene | 95-63-6 | OSHA TWA: 25ppm ACGIH TWA: 25ppm | 2-6 |
| ~*Xylene | 1330-20-7 | OSHA TWA: 100ppm ACGIH TWA: 100 ppm | <.5 |
| ~*Cumene | 98-82-8 | OSHA TWA; 50ppm (skin) ACGIH TWA: 50 ppm (skin) | <.5 |
| Styrene-Butadiene-Styrene Copolymer | 9003-55-3 | NE | 4-8 |

~Denotes constituent of above listed ingredient. % Concentration is of product mass.

- Identified as SARA section 313 reportable.

SECTION II HEALTH / SAFETY ALERT

Pre-existing eye, skin, and respiratory disorders may be aggravated by exposure to these products. Exposure to high concentrations of fumes may have an anesthetic effect.

SECTION III PHYSICAL DATA

BOILING POINT: 325° F

FLASH POINT (SETA): 100° F

EVAPORATION RATE: 0.9

(butyl acetate = 1.0)

SPECIFIC GRAVITY: 1-1.2

VAPOR DENSITY: 3.7

SOLUBILITY: NEG

APPEARANCE AND ODOR: Black or dark brown liquid, silver color when stirred, of a liquid consistency with a hydrocarbon odor.

SECTION IV REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

INCOMPATIBILITY: Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon, various hydrocarbon fragments

SECTION V HEALTH HAZARD INFORMATION

EYE CONTACT: These products are mildly irritating to the eyes. The effect of prolonged eye contact is not known.

SKIN CONTACT: Prolonged or repeated contact can cause dermatitis.

INHALATION: Upper respiratory tract irritation. May cause nausea or dizziness. High vapor concentrations can cause central nervous system depression, liver, and kidney damage.

INGESTION: Acute gastrointestinal tract irritation.

SECTION VI EMERGENCY / FIRST AID

EYE CONTACT: Flush with water immediately for at least 15 minutes. Seek Medical attention immediately.

SKIN CONTACT: Wash skin with waterless hand cleaner followed by soap and water. If redness appears treat it as a sunburn, if redness persists or rash appears seek medical attention immediately.

INHALATION: Remove individual to fresh air, upwind from fume source. If irritation persists seek medical attention immediately.

INGESTION: DO NOT INDUCE VOMITING. Prevent aspiration into lungs. Aspiration of even small amounts into lungs may result in aspiration pneumonitis. Seek medical attention immediately.

SECTION VII FIRE & EXPLOSION DATA

EXTINGUISHING MEDIA: Class "B" dry chemical, carbon dioxide, or other suitable extinguishing material such as dry sand. Do not use halogenated agents. When flames have been eliminated, cover residue with dry extinguishing agent or dry sand and allow it to remain undisturbed until it has cooled. If fire appears to increase in intensity, stop using these agents. Apply Class "D" extinguishing agent or more dry, inert, granular material. Ring fire with extinguishing material and allow the fire to burn out.

SPECIAL FIRE FIGHTING PROCEDURES: If the fire does not respond to above agents or they are not available, use foam or water FOG as a last resort. Water may also be used to cool exposed, but not burning, containers. These products may float and be re-ignited on top of water. Personnel fighting fire should use a self contained breathing apparatus.

UNUSUAL FIRE and/or EXPLOSION HAZARDS: Closed containers may explode in a fire. Keep containers cool and remove to a safe location.

HAZARD CLASS: H.M.I.S.; Health = 2, Flammability = 2, Reactivity = 0

SECTION VIII HANDLING PRECAUTIONS

PRECAUTIONS IN CASE OF SPILL: Contain spill as quickly as possible. Keep flowing material away from heat, sparks, or open flames. Do not smoke near a spill. Use clay (Oil Dry™), sand, earth, etc. to absorb the spill. Put material into a suitable steel drum which can be closed securely.

WASTE DISPOSAL: Bury in an approved landfill according to federal, state, and local regulations. Empty containers that have been completely emptied and the residue allowed to dry are not considered hazardous waste.

HANDLING & STORAGE PRECAUTIONS: Store away from heat, sparks, and open flames. Solvent vapors are heavier than air and may be moved from the source location by ventilation systems to points far away. Do not store near oxidizers.

OTHER PRECAUTIONS: Keep container closed when not in use. Store in a dry ventilated area. Maintain package labeling during storage.

SECTION IX PRECAUTIONS FOR SAFE USE

VENTILATION: Use natural cross ventilation, local (mechanical) pick-up, and/or general area mechanical cross ventilation. Ventilation pattern should be designed to prevent accumulation of heavier than air solvent vapors. Ventilation must be sufficient to maintain solvent vapor concentrations below the TLV.

RESPIRATORY PROTECTION: As required if airborne concentrations are above the TLV. If respirators become necessary use NIOSH approved unit for organic vapor and dusts.

PROTECTIVE CLOTHING: As necessary to prevent wetting of the skin.

EYE PROTECTION: As necessary in accordance with 29 CFR 1910.113

OTHER PRECAUTIONS: With good industrial hygiene no other precautions should be necessary. These products are intended for professional use. Use only after the appropriate Product Data Bulletin has been read and understood.

SECTION X COMMENTS

DOT INFORMATION: Not Regulated

The information contained herein is based on the best available data at the date hereof. No warranty of merchantability, fitness for any use, or any other warrant is expressed or implied regarding the accuracy of this data, the results to be obtained from the use of these products, or the hazards connected with such use. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, and since data made available subsequent to the date hereof may suggest modification of information, we do not assume responsibility for the results of its use. This information is furnished on the condition that the person receiving it shall make his/her own determination as to the suitability of the product for a particular purpose and on the condition that he/she assumes the risk of his/her use thereof.