

LEL: ND UEL: ND
AUTO-IGNITION TEMPERATURE (°F): 905°F
EXTINGUISHING MEDIA: CO₂, Dry Chemical
SPECIAL FIRE-FIGHTING INSTRUCTIONS:

Treat as a hydrocarbon fire. Do not use water.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
None known.

SECTION IV - REACTIVITY DATA

STABILITY (CONDITIONS TO AVOID):
None

INCOMPATIBILITY (MATERIALS TO AVOID):
None

HAZARDOUS DECOMPOSITION PRODUCTS:

CO, CO₂, various hydrocarbon fragments

HAZARDOUS POLYMERIZATION:

Will not occur.

SECTION V - HEALTH HAZARD DATA

PRIMARY ROUTE(S) OF ENTRY: Inhalation, Skin
HEALTH HAZARDS (ACUTE AND CHRONIC)

INHALATION:

Acute: Upper respiratory tract (nose and throat) irritation. May cause nausea or dizziness.
Chronic: There are no studies to indicate that asphalt causes cancer or respiratory damage in man. This petroleum based product contains a small amount of polyaromatic hydrocarbons which have been shown to cause cancer and respiratory damage in laboratory animals.

SKIN CONTACT:

Acute: Prolonged or repeated contact with cold material may cause dermatitis. Contact with hot material will cause thermal burns. Exposure to asphalt fumes increases sensitivity to sunburn.
Chronic: Mouse skin painting studies give evidence of skin cancer.

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DATE OF PREPARATION: MARCH 10, 1986
PRODUCT NAME(S): #400 Aluminized Roof Coating
#401 ROOF COATING & SEALER
#402 ROOF PATCHING CEMENT
#403 EMERGENCY ROOF REPAIR UNIT

SECTION I - COMPONENT DATA

HAZARDOUS INGREDIENTS

COMMON NAME	CHEMICAL NAME	C.A.S. NUMBER
Petroleum Asphalt	Petroleum Asphalt	8052-42-4

SECTION II - PHYSICAL DATA

BOILING POINT (°F): 700
MELTING POINT: ND
VAPOR PRESSURE (mmHg @ 20°C): NA*
PERCENT VOLATILE BY VOLUME: 0
SPECIFIC GRAVITY (H₂O=1): 1.0 • 1.8

VAPOR DENSITY (AIR=1): NA
EVAPORATIVE RATE (ETHYL ETHER=1): NA

SOLUBILITY IN WATER: Insoluble
PH: ND**

APPEARANCE AND ODOR: Brown to black mass/faint petroleum odor

SECTION III - FIRE & EXPLOSION HAZARD DATA

FLASH POINT (°F): >400°F
METHOD USED: COC

FLAMMABILITY LIMITS:

*NA = Not Applicable

**ND = Not Determined



EYE CONTACT:

Acute: Fumes from heated material will cause irritation.
Chronic: None known

SIGNS AND SYMPTOMS OF EXPOSURE:

Upper respiratory tract, eye and skin irritation.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

None known.

EXPOSURE LIMITS:

HAZARDOUS INGREDIENTS	OSHA PEL (mg/m ³)	ACGIH TLV (mg/m ³)	OTHER RECOMMENDED (SOURCE)
Asphalt Fume	None Established	5 mg/m ³	5 mg/m ³ (NIOSH)

CARCINOGENICITY:

HAZARDOUS INGREDIENTS	NTP LISTED	IARC LISTED	OSHA REGULATED
Asphalt	No	Yes	No

SECTION VI - EMERGENCY & FIRST - AID PROCEDURES

INHALATION:

Remove individual to fresh air. If irritation persists, administer oxygen and seek medical attention.

SKIN:

Cool hot material with ice or cold water. DO NOT REMOVE ASPHALT IMMEDIATELY. Cover with petroleum jelly and remove when softened. Seek medical attention.

EYES:

Flush with running water for at least 15 minutes. Seek medical attention.

INGESTION:

Do not induce vomiting. In general, no treatment is necessary unless large quantities of product are ingested. However, get medical advice.

SECTION VII - SPECIAL HANDLING INFORMATION

VENTILATION:

Ambient (or Natural Ventilation)

RESPIRATORY PROTECTION:

If fumes exceed 5 mg/m³ use an approved organic vapor respirator with a particulate prefilter.

PROTECTIVE CLOTHING:

Long sleeved shirt and long pants. Gloves should be used where there is direct contact.

EYE PROTECTION: Safety glasses or face shield

WORK/HYGIENIC PRACTICES:

In outdoor applications where material is heated keep kettle downwind of workers. Avoid overheating.

SECTION VIII - SPILL, LEAK & DISPOSAL PROCEDURES

ACTION TO TAKE FOR SPILLS (USE APPROPRIATE SAFETY EQUIPMENT):

Dike storage containers to prevent material from entering sewers or waterways. Use containment such as "booms" if material enters waterway to prevent dispersion.

WASTE DISPOSAL METHOD:

Dispose in accordance with federal, state and local regulations. The primary method of disposal for dry solid waste are landfills or incineration.

EPA HAZARDOUS WASTE NUMBER: NA

This material is not regulated under the "RCRA" hazardous waste regulations.

SECTION IX - SPECIAL PRECAUTIONS/ADDITIONAL INFORMATION

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

NA

DOT INFORMATION

Regulated only when shipped by water or as a hazardous waste.

HAZARDOUS MATERIAL PROPER SHIPPING NAME:

Asphalt, (ac or above its flashpoint)

HAZARD CLASS:

ORM-C

UN IDENTIFICATION NUMBER:

NA-1999

ADDITIONAL INFORMATION: