

MATERIAL SAFETY DATA SHEET

UNIFLEX 500 ALUMINUM ROOF COATING

PRODUCT NAME: UNIFLEX 500 ALUMINUM ROOF COATING
PRODUCT CODE: 20-475

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HMIS CODES: H F R P
1 2 1 C

===== SECTION I - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: KOOL SEAL INC.
ADDRESS: 1499 ENTERPRISE PKWY
TWINSBURG, OH 44087

EMERGENCY PHONE: (800) 358-8810
INFORMATION PHONE: (330) 425-4717

DATE PRINTED: 04/14/00
NAME OF PREPARER: Paul D. Bauer

===== SECTION II - HAZARDOUS INGREDIENTS / SARA III INFORMATION =====

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
MINERAL SPIRITS Synthetic Amorphous Silica	8052-41-3 63231-67-4	<10 mmHg 75 F 20.08 n/a n/a	1.10

N/A
N/A

===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTIC =====

BOILING RANGE: 300 – 390 F

VAPOR DENSITY: Heavier Than Air

COATING V. O. C. : 389 g / l

SOLUBILITY IN WATER: Insoluble

APPEARANCE AND ODOR: Black asphalt / aluminum with a mineral spirit odor.

SPECIFIC GRAVITY (H20=1): 1.09

EVAPORATION RATE: Slower Than Ether

MATERIAL V. O. C. : 433 g / l

===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT: 105 F

FLAMMABLE LIMITS IN AIR BY VOLUME – LOWER: 1.0% **UPPER:** 6.0%

EXTINGUISHING MEDIA: Foam, CO2, Dry Chemical

SPECIAL FIREFIGHTING PROCEDURES

Water may be used to cool closed containers, to prevent pressure build-up.

METHOD USED : Tag C. C.

UNUSUAL FIRE AND EXPLOSION HAZARDS

DO NOT USE A WATER HOSE STREAM, DO NOT USE HALOGENATED EXTINGUISHING AGENTS, on product where the aluminum flake has started to burn.
Dry aluminum flake will react with water and acids to form hydrogen gas and heat.

===== SECTION V - REACTIVITY DATA =====

STABILITY: Stable

CONDITIONS TO AVOID

Heat, sparks, flames, static electricity

INCOMPATIBILITY (MATERIALS TO AVOID)

Strong oxidizers

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Normal combustion products including CO2, CO, and various hydrocarbon fragments.

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HAZARDOUS POLYMERIZATION: Will not occur.

===== SECTION VI - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Can cause dizziness, headaches, loss of appetite, nausea, and possibly nose, throat and mucous membrane irritation. The solvents can effect the central nervous system, including general weakness, loss of memory, jitters, unconsciousness or effects mimicking drunkenness.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Prolonged or repeated contact with the product can cause drying and irritation. May cause severe irritation, redness, tearing and blurred vision.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Prolonged or repeated skin contact with this product may result in irritation and dermatitis.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

May cause mouth, throat, and gastrointestinal tract irritation, nausea, vomiting and diarrhea.

HEALTH HAZARDS (ACUTE AND CHRONIC)

Aspiration of the mineral spirits portion of this product into the lungs can cause severe chemical pneumonitis which may be fatal.

CARCINOGENICITY: NTP CARCINOGEN: Yes IARC MONOGRAPHS: No OSHA
REGULATED: Yes

This product contains Bitumen a chemical known to the State of California to cause cancer or reproductive toxicity.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Persons with a pre existing central nervous system disease, chronic skin or respiratory disorders may be at increased risk for worsening their conditions from exposure to this product.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Move individual to fresh air immediately. If breathing is difficult or if irritation persists, administer oxygen. If not breathing, administer artificial respiration. Seek medical attention.

SKIN: Clean exposed skin with waterless hand cleaner, then wash with mild soap and water. Note: Skin contact with clothing saturated in mineral spirits can cause second degree burns. Contaminated clothing should be removed immediately and excess material wiped from skin. Wash with mild soap and water. Seek medical attention if irritation persists.

EYE CONTACT: Immediately flush eyes with running water for at least 15 minutes. Seek medical attention immediately.

INGESTION: DO NOT INDUCE VOMITING! Prevent aspiration. Aspiration of material into lungs due to vomiting can cause severe chemical pneumonitis, which can be fatal. Seek immediate medical attention. **NOTE TO PHYSICIAN:** Perform gastric lavage in accordance with procedures for ingestion of petroleum products.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Prevent material from entering sewers or waterways. Remove all source of ignition (flames, hot surfaces, and electric, static, or frictional sparking sources). Ventilate area. Absorb with inert materials such as vermiculite or sand.

WASTE DISPOSAL METHOD

Dispose in accordance with local, state, and federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Material is combustible! Vapors of mineral spirits are heavier than air and may travel along the ground or be moved by ventilation to locations distant from the point of material handling. To prevent ignition, avoid smoking, keep away from heat, open flames, and sources of static or electrical sparking.

OTHER PRECAUTIONS

Keep closure tight and container upright to prevent leakage. Keep out of the reach of children.

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===== SECTION VIII - CONTROL MEASURES =====

RESPIRATORY PROTECTION

If spray mists are generated, wear NIOSH approved particulate respirator.

VENTILATION

Use local exhaust if conditions exist that permit high vapor concentration.

PROTECTIVE GLOVES

Use chemical – resistant gloves when there could be direct contact.

EYE PROTECTION

Wear safety eyewear

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Use chemical resistant apron or other impervious clothing, if needed, to avoid contaminating regular clothing which could result in prolonged or repeated skin contact.

WORK / HYGIENIC PRACTICES

Minimize breathing vapor or mist. Avoid prolonged or repeated contact with skin. Remove contaminated clothing; launder or dry clean before reuse. Remove contaminated shoes and thoroughly clean and dry before reuse. Cleanse skin thoroughly after contact, before breaks and meals, and at end of work period. Product is removed from skin by waterless hand cleaners followed by washing thoroughly with soap and water.

===== SECTION IX - DISCLAIMER =====

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