

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: READY-MIX ASPHALTUM
PRODUCT CODE: 02X002

HMIS CODES: H F R P
2 2 0 H

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SECTION I - MANUFACTURER IDENTIFICATION
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MANUFACTURER'S NAME: DANIEL SMITH INC.
ADDRESS: 4130 1ST AVENUE SOUTH, SEATTLE, WASHINGTON 98134
EMERGENCY PHONE: (206) 223-9599 INFORMATION PHONE: (206) 223-9599
DATE REVISED : 07-26-90 NAME OF PREPARER : RONALD W. HARMON
REASON REVISED : NEW

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SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION
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HAZARDOUS COMPONENTS/WEIGHT PERCENT	OCCUPATIONAL EXPOSURE LIMITS				
	OSHA PEL	ACGIH TLV	OTHER	LD50 SPECIES & ROUTE	LC50 SPECIES & ROUTE
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PARA-MENTHADIENE	NONE ESTAB	NONE ESTAB			
[CAS] 30					
*1,2,4 TRIMETHYL BENZENE	NONE ESTAB	NONE ESTAB			
[CAS 95-63-6] 2					
MINERAL SPIRITS	100 ppm	500 ppm			
[CAS 64742-88-7] 10					

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

BOILING RANGE: 174 to 310 Deg F SPECIFIC GRAVITY (H2O=1): 0.9
VAPOR DENSITY: NO DATA
EVAPORATION RATE: NO DATA
COATING V.O.C. : 6.41 LB/GL (768 G/L)
SOLUBILITY IN WATER: NON-SOLUBLE
APPEARANCE AND ODOR: DARK LIQUID/SOLVENT ODOR
FREEZING POINT: NOT KNOWN. pH: N/A
COEFFICIENT OF WATER/OIL DIST: N/A ODOR THRESHOLD: N/A

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

FLASH POINT: 105 Deg F METHOD USED: TCC
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 0.7% UPPER: 7.0%
EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL

SPECIAL FIREFIGHTING PROCEDURES

WATER SPRAY MAY BE INEFFECTIVE. WATER MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD-UP AND POSSIBLE EXPLOSION WHEN EXPOSED TO EXTREME HEAT. FIREFIGHTERS SHOULD USE SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHES

UNUSUAL FIRE AND EXPLOSION HAZARDS

NONE

FLAMMABILITY - T.D.G.R. CLASS

SENSITIVITY TO IMPACT

NONE KNOWN.

SENSITIVITY TO STATIC DISCHARGE

NONE KNOWN.

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

STABILITY: STABLE
CONDITIONS TO AVOID
EXCESSIVE TEMPERATURE, DIRECT HEAT.

INCOMPATIBILITY (MATERIALS TO AVOID)

STRONG OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

BURNING LIBERATES CO, CO2, AND SMOKE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

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SECTION VI - HEALTH HAZARD DATA
=====**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

INHALATION: NASAL AND RESPIRATORY IRRITATION, FATIGUE, DIZZINESS, WEAKNESS, HEADACHE.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

EYE CONTACT: MAY RESULT IN IRRITATION, REDNESS, TEARING, BLURRED VISION.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

SKIN CONTACT: MAY RESULT IN IRRITATION, REDNESS, DERMATITIS, DEFATTING OF SKIN.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

INGESTION: GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, AND DIARRHEA. ASPIRATION INTO LUNGS MAY CAUSE CHEMICAL PNEUMONIA.

HEALTH HAZARDS (ACUTE AND CHRONIC)

INHALATION-NASAL AND RESPIRATORY IRRITATION, FATIGUE, DIZZINESS, WEAKNESS, HEADACHE. EYE CONTACT-IRRITATION, REDNESS, TEARING, AND BLURRED VISION. SKIN CONTACT-IRRITATION, REDNESS, AND DERMATITIS. INGESTION-GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, AND DIARRHEA. ASPIRATION INTO LUNGS CAN CAUSE CHEMICAL PNEUMONIA. OVEREXPOSURE BY ANY ROUTE CAN CAUSE THE FOLLOWING: BLOOD CHANGES, KIDNEY DAMAGE, CENTRAL NERVOUS SYSTEM EFFECTS.

CARCINOGENICITY: NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO

TERATOGENICITY

NONE.

MUTAGENICITY

NONE.

TOXICOLOGICALLY SYNERGISTIC PRODUCTS

NONE.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

PRE-EXISTING LUNG OR SKIN CONDITIONS COULD BE AGGRAVATED BY CONTINUED EXPOSURE.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION-REMOVE INDIVIDUAL TO FRESH AIR, ADMINISTER ARTIFICIAL RESPIRATION IF NECESSARY. GET MEDICAL ATTENTION.

EYE CONTACT-FLUSH WITH WATER FOR AT LEAST 15 MINUTES; GET MEDICAL ATTENTION IF NECESSARY. SKIN CONTACT-WASH THOROUGHLY WITH SOAP AND WATER, REMOVE CONTAMINATED CLOTHING; GET MEDICAL ATTENTION IF NECESSARY. INGESTION-DO NOT INDUCE VOMITING; GET MEDICAL ATTENTION.

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SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE
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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

ELIMINATE ALL SOURCES OF IGNITION, PROVIDE GOOD VENTILATION. MINIMIZE VAPOR AND SKIN CONTACT. KEEP PRODUCT AWAY FROM SEWERS AND WATERCOURSES BY DIKING AND IMPOUNDING. SOAK UP SPILL WITH ABSORBENT MATERIAL AND REMOVE TO OPEN AIR.

WASTE DISPOSAL METHOD

CONSULT LOCAL, STATE, AND FEDERAL HAZARDOUS WASTE REGULATIONS BEFORE DISPOSING.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

STORE AWAY FROM FIRE AND FLAME, KEEP CONTAINERS CLOSED. STORE IN VENTILATED AREA.

OTHER PRECAUTIONS

AVOID BREATHING VAPORS. KEEP CONTAINERS CLOSED. KEEP OUT OF REACH OF CHILDREN.

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SECTION VIII - CONTROL MEASURES
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RESPIRATORY PROTECTION

WEAR NIOSH APPROVED ORGANIC VAPOR RESPIRATOR.

VENTILATION

USE ONLY IN AREAS WITH ADEQUATE VENTILATION.

PROTECTIVE GLOVES

IMPERMEABLE CHEMICAL HANDLING GLOVES FOR SKIN PROTECTION (RUBBER OR VINYL).

EYE PROTECTION

FACE SHIELD OR GOGGLES, IF EYE CONTACT IS PROBABLE.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

IMPERMEABLE APRON OR PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT.

WORK/HYGIENIC PRACTICES

NORMAL CLEAN-UP PROCEDURES.

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SECTION IX - DISCLAIMER
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