
Material Safety Data Sheet

R-Control Do-All-Ply Sealant

Section 1 - CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Material Identification

Product Use: STRUCTURAL INSULATED PANEL SEALANT

HMIS Hazard Rating: Health: 1 Fire: 3 Reactivity: 0 PPE:B

Company Identification

DISTRIBUTOR

AFM Corporation
17645 Juniper Path, Suite 260
Lakeville, MN 55044

PHONE NUMBER

(952)872-0809

Section 2 - HAZARDS IDENTIFICATION

Routes of entry: Entry through inhalation and skin most likely.

Effects of overexposure:

Eyes: Can cause irritation, redness, tearing, and blurred vision.

Skin: Prolonged or repeated contact can cause moderate irritation, defatting, and dermatitis.

Inhalation: May cause nose or throat irritation. High concentration may cause acute central nervous system depression characterized by headaches, dizziness, nausea, and confusion.

Ingestion: Can cause gastrointestinal irritation, nausea, vomiting, and diarrhea

Section 3 - COMPOSITION/INFORMATION ON INGREDIENTS

	CAS Number	Percent
Light Hydrotreated Naptha	64742-49-0	15-25
Heavy Napthenic Oil	64742-52-5	<5.0
n-Hexane	110-54-3	<2.0

Ingredient Notes:

Remaining Ingredients are not considered OSHA hazardous.

Section 4 - FIRST AID MEASURES

Eyes: Flush eyes gently with water for at least 15 minutes, lifting eyelids occasionally; get prompt medical attention.

Skin: Wash thoroughly with soap and water; apply a mild skin cream. Remove contaminated clothing.

Inhalation: Move affected person to fresh air; if breathing is difficult, administer oxygen; if breathing had stopped, give artificial respiration. Get medical attention.

Ingestion: DO NOT INDUCE VOMITING! Get immediate medical attention.

Section 5 - FIRE FIGHTING MEASURES

Flammability Class: I B
Flash Point: approx. 0F to 5F (-18C to -15C)
Tag Closed Cup

Explosive Range (LEL/UEL): 1%/6.7%

Extinguishing Media:
Carbon Dioxide - Dry Chemical - Foam
Use water fog to cool material in vicinity of fire.

Special Fire-Fighting Procedures:
Use self-contained breathing apparatus with full face piece operated in pressure demand with full protective equipment.

Unusual Fire and Explosion Hazard:
Any closed container may rupture when exposed to extreme heat. Solvent vapors are heavier than air and travel along the ground. Vapors given off are flammable and may be ignited in air explosively.

Section 6 - ACCIDENTAL RELEASE MEASURES

Steps to be taken in case of spill: Eliminate all ignition sources. Ventilate confined areas. (Open windows and doors). Wear appropriate protective clothing. Cover with absorbent. Scoop into sealable safety container.

Section 7 - HANDLING AND STORAGE

STORAGE

Keep containers in a clean, cool and dry area away from heat sources. Natural ventilation is adequate.
Storage Temperature: Ambient.

Section 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure limits

	ACGIH TLV	ACGIH TLV-C	ACGIH STELL	OSHA STEL	OSHA PEL
Light Hydrotreated Naptha	500 ppm	N/est	N/est	1000 ppm	500 ppm
Heavy Napthenic Oil	5 mg/M3	N/est	N/est	N/est	5 mg/M3
n-Hexane	50 ppm	N/est	N/est	N/est	50 ppm

N/est = Not Established

Respiratory Protection:

If TLV of the product is exceeded, a NIOSH/MSHA jointly approved air supply respirator is advised in the absence of proper ventilation. OSHA regulations also permit the use of other types of NIOSH/MSHA respirators under specified conditions. (see your safety equipment supplier for more information).

Ventilation:

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV. Ventilate during application and curing of this product.

Protective Clothing:

Rubber gloves should be worn where skin contact is likely. Wear impervious clothing and shoes.

Eye Protection:

Chemical goggles or safety glasses should be worn.

Handling and Safety Precautions:

Keep away from heat, spark, and flame. Keep out of reach of children. Keep container closed when not in use. Do not cut or burn receptacles that have contained a solvent based product. Do not reuse this container. Use only in a well ventilated area.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Form:	Non-sag mastic
Appearance and color:	Light Gray
Solubility in water:	insol.
pH Value:	Not Applicable
Boiling Range:	130-160F (54-71C)
Vapor Pressure (mmHg):	over 77 @68F (20C)
Evaporation Rate:	4.4 times faster than n-Butyl Acetate
Vapor Density:	Heavier than air
% Volatile, weight:	approx. 20%
% Volatile, volume:	approx. 36%
Specific Gravity:	1.2
VOC (less H2O or exempt):	260 g/L (20%)

Note: Boiling range, evaporation rate, vapor density, and vapor pressure for solvent only!

Section 10 - STABILITY AND REACTIVITY

Stability: Product is stable under normal storage conditions.

Hazardous polymerization: Will not occur under normal conditions.

Incompatibility: Keep away from strong oxidizing agents.

Conditions to avoid: Keep away from heat, sparks, open flames, and any ignition sources.

Hazardous Decomposition Products: Will produce fumes and smoke containing carbon monoxide and dioxide under fire conditions.

Section 11 - TOXICOLOGICAL INFORMATION

Species: Exposure and Dose:
n-Hexane LD50 - 5,000 ppm

Chronic Hazard:

NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain, nervous system, liver or kidney damage or may cause cardiac arrhythmia. INTENTIONAL misuse of this product by deliberately inhaling its vapors may be harmful or fatal.

n-Hexane can cause peripheral neuropathy (arm and leg damage) and central nervous system damage. Prolonged and repeated exposure has been suggested as a cause of the following effects in lab animals: liver and reproductive abnormalities, kidney, spleen, lung, or eye damage. May aggravate pre-existing disorders of these organs in humans. May be harmful if absorbed through skin.

Section 12 - ECOLOGICAL INFORMATION

Solid is essentially insoluble in water. The product has low potential for bioaccumulation. The product is predicted to have low mobility in soil.

Persistence and Degradation: The product is non-biodegradable in soil. There is no evidence of degradation in soil and water.

Section 13 - DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose of following local, state, and federal regulations.

Section 14 - TRANSPORTATION INFORMATION

Ground Transport (DOT) - Domestic

Units less than 5L (1.3 gallons liquid) i.e. 28 oz, 1 gal.

Proper Shipping Name: CONSUMER COMMODITY
Classification: ORM-D
DOT Label Required: ORM-D

Shipping Document: CONSUMER COMMODITY, ORM-D
ERG Code: 171

Units greater than 5L, i.e. 5 gal pail.

Proper Shipping Name: ADHESIVE
Classification: CLASS 3
DOT Label Required: Flammable Liquid, UN1133, Class 3
Shipping Document: ADHESIVE, 3, UN1133, PGIII
ERG Code: 128

Air Transport (DOT) - Domestic

Units less than 5L (1.3 gallons liquid) i.e. 28 oz, 1 gal.

Proper Shipping Name: CONSUMER COMMODITY
Classification: ORM-D
DOT Label Required: ORM-D-AIR
Shipping Document: CONSUMER COMMODITY, ORM-D
ERG Code: 171

Units greater than 5L, i.e. 5 gal pail.

Proper Shipping Name: ADHESIVE
Classification: CLASS 3
DOT Label Required: Flammable Liquid, UN1133, Class 3
Shipping Document: ADHESIVE, 3, UN1133, PGIII
ERG Code: 128

Air Transport (IATA) - International

Units less than 5L (1.3 gallons liquid) i.e. 28 oz, 1 gal.

Proper Shipping Name: CONSUMER COMMODITY
Classification: class 9
Label Required: ID8000
Shipping Document: CONSUMER COMMODITY, 9, ID8000
ERG Code: 9L

Units greater than 5L, i.e. 5 gal pail.

Proper Shipping Name: ADHESIVE
Classification: CLASS 3
Label Required: Flammable Liquid, UN1133, Class 3
Shipping Document: ADHESIVE, 3, UN1133, PGIII
ERG Code: 3L

Marine - Ocean Transport (IMDG)

Units less than 5L (1.3 gallons liquid) i.e. 28 oz, 1 gal.

Proper Shipping Name: ADHESIVE
Classification: CLASS 3
Label Required: Flammable Liquid, UN1133, Class 3, ltd. Qty.
(on Ocean containers only, not required on cartons)
Shipping Document: ADHESIVE, 3, UN1133, PGIII, LTD. QTY.
EMS Code: F-E, S-D

Units greater than 5L, i.e. 5 gal pail.

Proper Shipping Name: ADHESIVE
Classification: CLASS 3
Label Required: Flammable Liquid, UN1133, Class 3
Shipping Document: ADHESIVE, 3, UN1133, PGIII

EMS Code:

F-E, S-D

Section 15 - REGULATORY INFORMATION

SARA TITLE II SECTION 313:

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR 372:

Ingredient Name:	CAS Number	Percent
n-Hexane	110-54-3	<2.0

SARA Section 311/312 Hazard Categories met: Fire Hazard, Immediate (Acute) and Delayed (Chronic) Health Hazards.

Chemical ingredients are listed on the TSCA inventory.

WARNING: This product contains chemicals known to the State of California to cause cancer.

Section 16 - OTHER INFORMATION

The information herein is given in good faith but no warranty, expressed or implied, is made. The manufacturer assumes no responsibility for personal injury or property damage that may arise from use of this material. Vendees or users assume all risks associated with the use of this material.

R-Control is a trademark of AFM Corporation.