

MATERIAL SAFETY DATA SHEET

MSDS Name: RF-140tm BLACK MAGIC ROOF and FLASH SEALANT
MSDS Number: 14011
Version Number: 5
Revision Date: MAR-06-2007
Page Number: 1

SECTION I - PRODUCT AND COMPANY INFORMATION

Product Name: RF-140tm BLACK MAGIC ROOF and FLASH SEALANT
HMIS Hazard Rating: Health: 1 Fire: 3 Reactivity: 0 PPE: B

Company Identification: HENKEL CORPORATION
7405 PRODUCTION DRIVE
MENTOR OH 44060

Contact (24 hour): Customer Affairs (800) 321-0253
Information phone/Fax: (440) 255-8900 / (440) 974-8358
CHEMTREC Emergency (24 hour): (703) 527-3887 (International)
(800) 424-9300
in Canada CANUTEC 613-996-6666

Product Class SEALANT
Trade Name PRO-SERIES
Product Code 14011,29

SECTION II - INGREDIENT AND HAZARD INFORMATION

Hazardous Ingredient Name	CAS Number	Percent	TSCA
STODDARD SOLVENT	8052-41-3	10 - 15	Y
PETROLEUM ASPHALT *	64742-93-4	5 - 10	Y
PETROLEUM NAPHTHA	64742-89-8	< 5.0	Y
CARBON BLACK	1333-86-4	< 2.0	Y

Ingredient Notes:

Remaining ingredients are not considered OSHA hazardous.

* Petroleum asphalt is considered hazardous only if hot and fuming.

** The main hazard for Carbon Black is in dust inhalation which is unlikely because of incorporation into polymer matrix.

SECTION III - PHYSICAL AND CHEMICAL PROPERTIES

Form: High viscosity, mastic.
Appearance/Color: Black
Solubility (in water): insoluble
pH Value, +/- .3: Not Applicable

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Boiling Range: 200.°F - 300.°F (93.33°C - 148.89°C)
Vapor Pressure (mmHg): 50.@ 68.°F (20.°C)
Evaporation Rate: 0.2 times Slower than n-Butyl Acetate

Vapor Density: Heavier than air

% Volatile, Weight 20.%
% Volatile, Volume 25.%
Specific Gravity: 1.302
VOC (less H2O or exempt) 235 gr/l (20%)

NOTE:

*BOIL RANGE, EVAP RATE, VAPOR DENSITY AND PRESSURE FOR SOLVENT ONLY!

SECTION IV - FIRE FIGHTING MEASURES

Flammability Class I C
Flash Point: 70.°F - 80.°F (21.11°C - 26.67°C)
Tag Closed Cup
Explosive Range (LEL/UEL): 1.2%
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 facepiece
operated in pressure demand with full protective equipment.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

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 V - HEALTH HAZARD DATA

Route	Species	Exposure and Dose
PETROLEUM NAPHTHA		LD50 5000. PPM

ROUTES OF ENTRY:

ENTRY THROUGH... Inhalation and skin most likely

CARCINOGENICITY...

NTP? N/E | IARC Monographs? N/E | OHSA? NO

EFFECTS OF OVEREXPOSURE

Eyes: Can cause irritation, redness, tearing and blurred vision.
Skin: Prolonged or repeated contact can cause moderate

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irritation, drying of the skin, and dermatitis.

Inhalation: Excessive inhalation of vapors can cause respiratory irritation, headache, drowsiness and fatigue. High concentrations of vapors are anesthetic and may cause central nervous system effects such as dizziness.

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

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 has stopped, give artificial respiration. Get medical attention.

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

CHRONIC HAZARDS

Repeated contact with rubberized asphalt may result in slight irritation.

Carbon Black has been classified as a Group 2B Carcinogen by IARC. However exposure to black dust will not occur with normal use of this product.

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.

SECTION VI - 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, spark, open flames and any ignition source.

HAZARDOUS DECOMPOSITION PRODUCTS:

Will produce fumes and smoke containing carbon monoxide and dioxide under fire conditions.

SECTION VII - ACCIDENTAL RELEASE AND DISPOSAL 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.

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WASTE DISPOSAL METHOD:

Dispose of following local, state, and federal regulations.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

	ACGIH TLV	ACGIH TLV-C	ACGIH STEL	OSHA STEL	OSHA PEL
STODDARD SOLVENT					
100.00 PPM	N/est	N/est	N/est	100.00 PPM	
PETROLEUM ASPHALT *					
300.00 PPM	N/est	N/est	N/est	N/est	
PETROLEUM NAPHTHA					
300.00 PPM	N/est	N/est	400.00 PPM	300.00 PPM	
CARBON BLACK					
3.50 mg/M3	N/est	N/est	N/est	3.50 mg/M3	

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 STORAGE PRECAUTIONS:

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

N/A=NOT APPLICABLE N/AV=NOT AVAILABLE N/E, N/est=NOT ESTABLISHED

SECTION IX - TRANSPORT INFORMATION: (not all sizes available)

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GROUND TRANSPORT (DOT) - DOMESTIC

Units less than 5L (1.3 gallons liquid) i.e. cartridges

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

Units GREATER than 5L i.e. 5gal. pail, 50 gal.drum

Proper Shipping Name: ADHESIVE
Classification: CLASS 3
DOT Label Required: Flammable liquid, UN1133, Class 3
Shipping Document: ADHESIVE,3, UN1133, PG III
ERG Code: 128

AIR TRANSPORT (DOT) - DOMESTIC

Units less than 5L (1.3 gallons liquid) i.e. cartridges

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. 5gal. pail, 50 gal. drum

Proper Shipping Name: ADHESIVE
Classification: Class 3
DOT Label Required: Flammable Liquid, UN 1133, Class 3
Shipping Document: ADHESIVE, 3, UN1133, PG III
ERG Code: 128

AIR TRANSPORT (IATA) - INTERNATIONAL

Units less than 5 Liters i.e. one 12 PACK of 10oz (300gm) cartridges

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. 5gal. pail, 50 gal. drum

Proper Shipping Name: ADHESIVE
Classification: Class 3
Label Required: Flammable Liquid, UN 1133, Class 3
Shipping Document: ADHESIVE, 3, UN1133, PG III
ERG Code: 3L

MARINE - OCEAN TRANSPORT (IMDG)

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Units less than 5L (1.3 gallons liquid) i.e. cartridges

Proper Shipping Name: ADHESIVE

Classification: Class 3

Label Required: Flammable Liquid, UN1133, Class 3, Ltd. Qty.
(on ocean container only, not req. on cartons)

Shipping Document: ADHESIVE, 3, UN1133, PG III, LTD.QTY.

EMS Code: F-E, S-D

Units GREATER than 5L i.e. 5gal. pail, 50 gal. drum

Proper Shipping Name: ADHESIVE

Classification: Class 3

Label Required: Flammable Liquid, UN 1133, Class 3

Shipping Document: ADHESIVE, 3, UN1133, PG III

EMS Code: F-E, S-D

SECTION X - REGULATORY INFORMATION:

-PROP 65 (CARCINOGEN)

WARNING: This product contains a chemical known to the state of California to cause cancer.

Ingredient Name	CAS Number	Percent
PETROLEUM ASPHALT *	64742-93-4	5 - 10

-PROP 65 (TERATOGEN)

WARNING: This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.

Ingredient Name	CAS Number	Percent
Toluene	108-88-3	TRACE

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

Chemical ingredients are listed on the TSCA inventory.

CANADA Note:

Oil / water coefficient: N/AP

WHMIS CLASS: When labeled as Consumer Commodity this product is exempt from WHMIS regulations. (Sect. 12f Hazardous Products Act)

This MSDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the MSDS contains all of the information required by the CPR.

DISCLAIMER:

The information contained herein is based on data available as of the date of preparation of this MSDS and which we believe to be reliable. However, no warranty is expressed or implied regarding the accuracy

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of the data. We shall not be responsible for the use of this information, or of any product, method, apparatus mentioned, and user must make his own investigation to determine the suitability of the information or products for his particular purpose, for the protection of the environment, and the health & safety of the users of this material.