

Material Safety Data Sheet - OSHA 174

Materials Safety Data Sheet
May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

US Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form) Form Approved OMB No. 1218-0072

H.M.I.S. RATING	
Health	1
Flammability	2
Reactivity	0
Protective Equip.	E

Last Rev Date: 08/11/2005

RD406 - RAIN PATCH

Section I

Manufacturer's Name	Emergency Telephone	Telephone
HENRY COMPANY	800-486-1278	800-486-1278
Address	Primary Contact	Email
HENRY COMPANY 2911 Slauson Ave HUNTINGTON PARK, CA 90255	Technical Services	techservices@henry.com
	NFPA	Preparer's Signature
	704	

Section II Hazardous Ingredients / Identity Information

Hazardous Component	CAS#	OSHA PEL	AGGIH TL	Other Limits	Percent
Asphalt	8052.42.4		0.5 mg/m3		<60
Petroleum Solvent (Mineral Spirits)	8052.41.3	100 ppm	100 ppm		<50

Comments: There are no S.A.R.A. 313 ingredients in this material in excess of de minimis amounts. "Asphalt may contain detectable amounts of chemicals known to the State of California to cause cancer or reproductive harm."

Section III Physical / Chemical Characteristics

Boiling Point	Melting Point	Max VOC (g/l)
310-400 F	N/A	300
Vapor Pressure (mm Hg)	Evaporation Rate (Butyl Acetate=1)	Max VOS (lbs/gal)
2@ 68F	<1	2.5
Vapor Density (Air=1)	Weight Per Gallon	% Water Volume
>1	9.41	0
Color	Solubility in Water	% Water Weight
Black	Not soluble	0
Odor	Appearance	% Volatile
Strong petroleum solvent	Black fluid	38.0
Specific Gravity	PH	
1.13	N/A	

Section IV Fire and Explosion Hazard Data

Flash Point Method	Flash Point Temperature	LEL Flammable Limit	UEL Flammable Limit
CC	105°F	0.9	6.0
Extinguishing Media			
Foam, CO2, Dry Chemical, Water Fog, Spray (Water), Sand, Earth			
Fire Fighting Procedures			
Firemen should wear MSHA/NIOSH approved self-contained apparatus to protect against inhalation of combustion products.			
Additional Procedures			
During emergency conditions, overexposure to decomposition products may cause a health hazard. Keep containers tightly closed when not in use.			
Unusual Fire and Explosion Hazards			
Do not mix store with strong oxidants like liquid chlorine or oxygen. Keep containers tightly closed. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.			

Section V Reactivity Data

Stability		Conditions to Avoid	
Material is Stable		N/A	
Incompatibility (Materials to Avoid)		Hazardous Decompositions or Byproducts	
Strong Oxidants		Fumes, Smoke, CO2, Carbon Monoxide if combustion is incomplete	
Hazardous Polymerization		Conditions to Avoid	
May Not Occur		Contact with moisture	

Section VI Health Hazard Data

Routes of Entry:

If in Eyes

Symptoms

- Eye irritation.
- Burning of eyes.

Emergency and First Aid Procedures

- Flush gently with large amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. Get immediate medical attention.

If Ingested

Symptoms

- Gastrointestinal irritation.
- Nausea, vomiting, diarrhea.

Emergency and First Aid Procedures

- Do not induce vomiting. Call doctor immediately.

If Inhaled

Symptoms

- Dizziness, headaches, even unconsciousness or death.
- Irritation of upper respiratory tract.

Emergency and First Aid Procedures

- Remove from vapor immediately and if breathing is difficult, administer oxygen.
- If overcome, call physician.
- If breathing has stopped or is irregular, start resuscitation or administer oxygen, as needed.

If on Skin

Symptoms

- Moderate irritation.
- Defatting.
- Dermatitis.
- Prolonged and repeated skin contact can cause irritation.

Emergency and First Aid Procedures

- Remove contaminated clothes and wash with a waterless hand cleaner or soap and water.

Section VII Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled:

Recover free liquid. Add absorbent sand, earth, sawdust, etc to spill area. Avoid breathing vapors. Ventilate confined spaces. Open all windows and doors. Keep products out of sewers and watercourses.

Waste Disposal Method:

Assure conformity with applicable Local, State, and Federal disposal regulations.

Precautions for Handling and Storage:

Do not store near open flame or high heat sources.

Other Precautions:

Avoid breathing vapors. Avoid prolonged or repeated contact with skin. Remove contaminated clothing and laundry before reuse. Remove contaminated shoes and thoroughly dry before reuse. Wash skin thoroughly with soap and water after contact.

Section VIII Control Measures

Ventilation

Local Exhaust

Face velocity 60 fpm

Mechanical (General)

N/A

Special Ventilation

Use only with adequate ventilation

Other

N/A

Protective Equipment Required

Respirator

Wear suitable respirator (NIOSH/MSHA) approved or equivalent) where exposure limits are exceeded.

Gloves

Chemical resistant gloves

Goggles

Splash goggles or face shield

Clothing

Other clothing to avoid repeated skin contact

Work Hygienic Practices

Practice good work hygiene

Section IX Special Precautions for Safe Handling and Storage

Precautions for Handling and Storage

KEEP AWAY FROM SOURCES OF IGNITION

Other Precautions

Close air intakes on roof until solvent odor dissipates.

Section X Transportation Data

DOT

Non-Bulk Not Regulated (Combustible liquid Non-Bulk, but see IATA for shipping by AIR)

Bulk Combustible liquid, n.o.s., (Petroleum Distillates), Combustible liquid, NA1993, III

or Bulk Elevated temperature liquid, flammable, n.o.s., (Petroleum Distillates), 3, UN3256, III

Note If bulk departs below its flash point then NA1993; but if it is at or above flash point, then UN3256.

IMDG

IMDG Code 2.3.2.5 - exempted from marking, labeling & testing of packages

IATA

Flammable liquid, n.o.s., (Petroleum Distillates), 3, UN1993, III

State Addendum

Ingredient	CAS Number	Notes
Petroleum Solvent (Mineral Spirits)	8052.41.3	A Pennsylvania Hazardous Substance List material
Petroleum Solvent (Mineral Spirits)	8052.41.3	A Florida Toxic Substances List material
Petroleum Solvent (Mineral Spirits)	8052.41.3	A Massachusetts Hazardous Substance List material
Petroleum Solvent (Mineral Spirits)	8052.41.3	A Minnesota Hazardous Substance List material
Petroleum Solvent (Mineral Spirits)	8052.41.3	A Washington State Permissible Exposure for Air Contaminants material
Asphalt	8052.42.4	A Washington State Permissible Exposure for Air Contaminants material
Asphalt	8052.42.4	A Florida Toxic Substances List material
Asphalt	8052.42.4	A Massachusetts Hazardous Substance List material
Asphalt	8052.42.4	A Minnesota Hazardous Substance List material
Asphalt	8052.42.4	A Pennsylvania Hazardous Substance List material
Asphalt	8052.42.4	Asphalt may contain detectable amounts of chemicals known to the State of California to cause cancer or reproductive harm.