				MPANY IDE			
PRODUCT NAME:	FAST DRY S			EMENT	MSDS	NUMBER:	
PRODUCT NUMBER:	16-450, 16-451	, 16-452, 98-85 <sub>4</sub>	4, 98-855		DATE:	28	January 2011
TRADE NAME: VULCANIZI GENERAL USE: Adhesive CHEMICAL FAMILY: Organics PRODUCT DESCRIPTION: Milky white, flammable liquid with a	NG CEMENT	dor.		Pato	h Rut	ber	М.
MANUFACTURER Patch Rubber Company					Cor	npany	
ADDRESS (NUMBER, STREET, P. PO Box H	O. BOX)		DATE PREP SUPERSED		28 January 2 2 December		
(CITY, STATE AND ZIP CODE)		COUNTRY			EMERGEN	CY TELEP	HONE NUMBERS
Roanoke Rapids, NC 27870 TELEPHONE NUMBER (General I	• •	USA	ChemT		<b>1-800-25</b> North A	merica	813-248-0585 International
(252) 536-2			740000		(Toll F	-ree)	and Local Calls
	SECTION	ON 2-HA	ZARDOU	S INGRED	NEN IS	r	
Hazardous Components	% (by Weight)	CAS	S #	EINE	CS #	Hazard Symbol	RISK PHRASES (Full Text Section 15)
Heptane	>90%	142-8	82-5	205-5	63-8	F, Xn, N	R11, 38, 50/53, 66, 67
(Dibutylamine)bis(dibutyldi- thiocarbamato-S,S')zinc	1-5%	35884		252-7		None	Not Classified
<b>NOTES:</b> This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS), and European Union Directives . Hazard symbols and risk phrases are based on maximum listed concentration of each hazardous ingredient. Unlisted ingredients are not "hazardous" per the OSHA Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS) or the European (GHS) directives and are considered trade secrets under US Federal Law (29CFR and 40CFR), Canadian Law (Health Canada Legislation), and European Union Directives.							
	SECT	UN 3-HA	AZARDS	IDENTIFIC	ATION		
EMERGENCY OVERVIEW Flammable liquid, potentially hazardous vapours. Can cause serious or fatal complications if swallowed. Can cause eye and skin irritation upon contact. Inhalation of vapours can cause anesthetic effect leading to death in poorly ventilated areas. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Cancer Information: There is no information available. The chance of this material causing cancer is unknown. Developmental Information: There are no data available for assessing risk to the fetus from maternal exposure to this material.							
POTENTIAL HEALTH EFFECTS							
INHALATION: High concentrations are irritating to concentration and inhalation of hept					usea, vomiting	g and malais	se. Intentional
SKIN: Brief contact may cause slight irritat	ion: prolonged	contact may	causa madar	to irritation or (	dormatitic		
EYES:	ion, proiongeu	contact may			Jermanus.		
High vapour concentration or contact may cause irritation and discomfort. INGESTION:							
May result in vomiting; aspiration of vomitus into the lungs must be avoided; DO NOT induce vomiting. Minute amounts aspirated into the lungs can produce severe lung injury, chemical pneumonitis, pulmonary edema or death. <b>Note to Physicians:</b> Inhalation of high concentrations of this material, as could occur in enclosed spaces or during deliberate abuse, my be associated with cardiac arrhythmias. Sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material. This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity (See Section 3 – Swallowing) when deciding whether to induce vomiting. Pre-existing disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin, lung (for example, asthma-like conditions). Individuals with pre-existing heart disorders may be more susceptible to arrhythmias (irregular heartbeats) if exposed to high concentrations of this material.							
							NO
NTP? NO		NOGRAPHS?			OSHA REGL	JLATED?	NO
CALIFORNIA, Prop.65? Yes B Reproductiv	enzene, Ethyl ve hazards. Se			ancer and	ESIS NOTAT	TION?	NO

PRODUCT NAME:	FAST DRY	SELF VULC	ANIZING C	EMENT		NUMBER		
PRODUCT NUMBER:		, 16-452, 98-854			DATE:	28	January	2011
	SEC	TION 4 -	FIRST A	D MEASU	RES			
INHALATION: Remove affected person to fresh air and seek emergency medical attent		en if breathing	g is difficult; if	affected persor	n is not breath	ing, adminis	ster CPR	
EYES: Check for and remove contact lense persists, seek medical attention. Do						elids open; i	if irritation	
SKIN: Remove contaminated clothing; was persists, seek medical attention. The						efore reuse;	if irritation	
INGESTION: DO NOT INDUCE VOMITING!!! If vo immediate emergency medical atter						tion of liquic	l into lungs	. Seek
	SECTI	ON 5-FIF	RE FIGHT	TING MEAS	SURES			
GENERAL HAZARDS: Product is flammable, with a flash p of carbon, hydrogen and oxygen, in and readily gives off vapors, which r heaters, smoking, electric motors, s welding or cutting torch on or near c	cluding carbor nay travel alor tatic discharge	n monoxide. Vang the ground e, or other ignit	apours may c or be moved tion sources a	ause a flash fire by ventilation a at locations dista	e or ignite exp nd ignited by   ant from mate	losively. Ma pilot lights, c rial handling	aterial is hig other flame	ghly volatile s, sparks,
EXTINGUISHING MEDIA:								
Carbon dioxide, water fog, dry chem	nical, chemical	foam. Avoid t	he use of stre	eaming water, a	s this may spi	read fire.		
FIRE FIGHTING PROCEDURES: Firefighters must wear full face piec stream will scatter and spread fire. F	Fine water spra	-				ot use solid	stream of	water since
UNUSUAL FIRE AND EXPLOSION Closed containers can explode due product may reignite on water surfac HAZARDOUS COMBUSTION PRO	to buildup of p ce; use of wate				o not use dire	ct stream of	water on p	ool fires as
Smoke, soot, fumes or vapours, oxid								
			ENITAL D	ELEASE N	IEACIIDE	<u>ر</u>		_
STEPS TO BE TAKEN IN CASE M					LASUNL	3		
CAUTION - HIGHLY FLAMMABLE ventilate area, remove all sources o equipment, including organic vapou absorbent; place material into appro for large spills. Treat used absorben Response Center at (800) 424 - 880	LIQUID - PRO f sparks, ignition r respirator or rved flammable t as flammable	DUCT IS LIG on and open fl self-contained e waste contai	HTER THAN lames, and tu l breathing ap iners for disp	rn off electrical paratus, as nee osal; do not was	circuits in areaded. Confine sh to sewer or	a. Wear per product and waterway.	sonal prote I absorb inf Dikes may	ective to approved be needed
	SECTI	ON 7-HA	ANDLING	AND STO	RAGE			
PRECAUTIONS TO BE TAKEN IN I	Handling ai	ND STORAGE						
Keep container closed when not in u away from all sources of ignition. "E container that has not been professi ventilated work areas to minimize ex	mpty" containe onally recondi	ers may conta tioned. Use no	in residue wh	ich may form ex	plosive vapo	urs. Do not v	weld or cut	near empty
SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION								
HAZARDOUS COMPONENTS			DSH			CGIH	1	SHA
Hentene	TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3	TLV/TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3
Heptane	85	350	NR	NR	400	1640	500	2050
(Dibutylamine)bis(dibutyldi- thiocarbamato-S,S')zinc	NE	NE	NE	NE	NE	NE	NE	NE
NE - Not Established, NR - Not Re Heptane - 500 ppm TWA in UK, 40 Carbon Black - 3.5 mg/m <sup>3</sup> TWA, 7	0 ppm TWA i		land					

PRODUCT NAME: PRODUCT NUMBER: FAST DRY SELF VULCANIZING CEMENT 16-450, 16-451, 16-452, 98-854, 98-855

EMENT MSDS DATE:

MSDS NUMBER: 0223 DATE: 28 January 2011

# SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION (Continued)

#### PERSONAL PROTECTION

RESPIRATORY PROTECTION:

Not required for normal work situations where adequate ventilation is provided. Use NIOSH or European EN-149 approved self contained, positive pressure respirators for emergencies and in situations where air may be displaced by vapours. Follow OSHA Std. 29CFR 1910.134 or corresponding EU Directives.

#### PROTECTIVE GLOVES:

Neoprene, butyl or nitrile rubber gloves with cuffs should be worn, especially if prolonged exposure is expected.

#### EYE PROTECTION:

Chemical safety goggles, preferably with side shields should be worn as a matter of proper industrial practice. Refer to 29 CFR 1910.133 within the US or European Standard EN166 within the EU.

#### OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

Provide a safety eyewash nearby, in case of splash injury. Where extensive dermal exposure may be expected, either a chemical suit or a chemical apron will be needed. Neoprene is a good compromise material between chemical resistance, physical durability, and cost.

#### WORK / HYGIENIC PRACTICES:

Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general. Do not smoke, eat or drink while using the product. Wash hands with soap and water before smoking, eating, drinking or using toilet facilities. Launder contaminated clothing before reuse.

SEC	TION 9 - PHYSICA	L AND CHEMICAL PROPERT	TIES		
APPEARANCE AND ODOR		VAPOUR PRESSURE			
Milky white liquid, characteristic hydrocarbon odor		45 mm Hg @ 20°C (68ºF)			
рН		SPECIFIC GRAVITY (WATER = 1)			
NA		0.708			
BOILING POINT		SOLUBILITY IN WATER	SOLUBILITY IN WATER		
93.3°C (200°F) @ 760mm Hg		Negligible			
FLASH POINT		VISCOSITY			
(-10°C, 15°F)		ND			
FLAMMABLE LIMITS		VAPOUR DENSITY (AIR = 1)			
	6.70%	3.5			
AUTOIGNITION TEMPERATURE		EVAPORATION RATE (Butyl Acetate = 1	1)		
203.8°C (399°F)		2.8			
	SECTION 10 - S	TABILITY AND REACTIVITY			
STABILITY	STABLE X	CONDITIONS TO AVOID:			
High temperatures, sparks, open flames, live electrical circuits.			live electrical circuits.		
INCOMPATIBILITY (MATERIALS T	O AVOID):				
Oxidizers, strong acids					
HAZARDOUS DECOMPOSITION C					
Decomposition will not occur if hand smoke may be produced.	lled and stored properly. In	case of a fire, oxides of carbon, hydrocarbo	ons, fumes or vapours, soot and		
HAZARDOUS POLYMERIZATION:		CONDITIONS TO AVOID:			
Will not occur.		None related to polymerization.			
	SECTION 11 - TO	KICOLOGICAL INFORMATION			
	CAS #	LD50 of Ingredient	LC50 of Ingredient		
Hazardous Components	EINECS #	(Specify Species and Route)	(Specify Species)		
	142-82-5		103 gm/m³/ 4 hour		
Heptane	205-563-8	– NR	(inhalation, rat)		
(Dibutylamine)bis(dibutyldi-	35884-05-0		NE		
thiocarbamato-S,S')zinc	252-774-6	- NE	NE		
No data are available on the adverse effects of this material on the environment. Neither COD nor BOD data are available. Based on the chemical composition of this product it is assumed that the mixture can be treated in an acclimatized biological waste treatment plant system in limited quantities. Heptane is considered to be harmful to the environment by the European Union.					

PRODUCT NAME: PRODUCT NUMBER:	FAST DRY SELF VULC/ 16-450, 16-451, 16-452, 98-854		MSDS I DATE:	NUMBER: 0223 28 January 2011
		POSAL CONSIDER		
WASTE DISPOSAL METHOD: Dispose of in accordance with Loca container creating a dangerous envi chemicals. Do not flush to sanitary s should be assigned by the user bas	ronment. Consult your local, sewer or waterway. Accordin	state, or Federal Environme g to the European Waste Ca	ental Protection	Agency before disposing of any
	SECTION 14 - TR	RANSPORT INFORM	IATION	
PROPER SHIPPING NAME:	Adhesives, Flammab	le, UN 1133		
DOT HAZARD CLASS / Pack Group:	ORM-D Consumer Commodity (USA)	IATA HAZARD CLASS / Group:		Class 3, PG II
REFERENCE: 49 CFR 17: UN / NA IDENTIFICATION NUM LABEL: Flammable HAZARD SYMBOLS:	IBER: UN 1133	IMDG HAZARD CLASS: RID/ADR Dangerous Goo UN TDG Class / Pack Gr Hazard Identification Nun	ods Code:	3 Class 3, PG II 33
Note: Transportation information pro Nations TDG, and WHMIS (Canada packaging materials and methods o	) TDG information manuals f			
	SECTION 15 - RE	GULATORY INFOR	MATION	
TSCA (USA - Toxic Substan SARA TITLE III (USA - Superfu Acute Health: Fire: Reactive: SARA 313 REPORTABLE ING CERCLA (USA - Comprehensiv California Prop 65, Safe Drinking components which are known may be subject to the requirer Levels of Benzene, Ethylbenzo State Right To Know: n-Heptane CPR (Canadian Controlled Proc	nd Amendments and Rea Yes Yes No REDIENTS: None report re Response Compensation g Water and Toxic Enforce to the State of California nents of California Prop ene less than 0.01% eac e is listed as follows: NJ	Chronic Healt Sudden Relea * Containers n table. on and Liability Act): ement Act of 1986: This n a to cause cancer, birth osition 65 (CA Health & h. Level of Toluene: les I, PA, MA, RI	ase of Pressu nay Rupture a RQ=24000 II naterial may defects or o Safety Code s than <0.05	nd release contents. bs (10880 kg) for product. contain the following other reproductive harm, and e Section 25249.5):
(		criteria of the Controlle	d Products F	Regulations (CPR) and the equired by the CPR. WHMIS
IDL (Canadian Ingredient Disclo DSL / NDSL (Canadian Domesi EINECS (European Inventory o WGK Water Quality Index:	tic Substances List / Non-		t): I Listed.	Listed on CDSL.
RISK PHRASES:	SYMBOL(S) REQUI	RED FOR EU LABEL		SAFETY PHRASES:
<ul> <li>R11 Highly flammable.</li> <li>R38 Irritating to skin.</li> <li>R50/53 Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.</li> <li>R65 Damaging to lungs when swallowed.</li> <li>R67 Vapours may cause drowsiness and dizziness.</li> </ul>	Flammable Environr	nent Harmful	S16 Keep awa S29 Do not em S33 Take prec discharges. S60 This mate disposed of as S61 Avoid rele special instruct S62 If swallow	iner in a well-ventilated place. by from sources of ignition hpty into drains. cautionary measures against static rial and its container must be hazardous waste. hase to the environment. Refer to tions / safety data sheets. ed, do not induce vomiting; seek immediately and show this label.

PRODUCT NAME: FAST DRY SELF VULCANIZING CEMENT MSDS N			MSDS NUM	MBER: 0223
PRODUCT NUMBER:	16-450, 16-451, 16-452, 98-854, 98-855		DATE:	28 January 2011
	SECTION 16 - OTHE	R INFORMATI	ON	
Legend:				
ACGIH - American Congre	ss of Government Industrial Hygier	nists		
CAS - Chemical Abstract	ts Service			
<b>EINECS - European Invent</b>	ory of Existing Commercial Chemic	al Substances		
HMIS - Hazardous Materi	als Identification System			
IARC - International Age	ncy for Research on Cancer			
NA - Not Available	ND - Not Determined			
NE - Not Established	NR - Not Reported			
NIOSH - National Institute	for Occupational Safety and Health			
NTP - National Toxicolog	gy Program			
OSHA - Occupational Safe	ety and Health Administration			
HMIS HAZARD RATINGS	HEALTH:		1	0 = INSIGNIFICANT
	FLAMMABILITY:		3	1 = SLIGHT
	PHYSICAL HAZARD:		0	2 = MODERATE
	PERSONAL PROTEC	TIVE	В	3 = HIGH
	EQUIPMENT:			4 = EXTREME
REVISION SUMMARY:				
Revised to USA (ANSI), EU, Ca	anadian, and GHS standards 01/28/2011	Supersedes 12/02/20	010 issue. JTV &	LB .
MSDS Prepared by:				
ChemTel Inc.				
1305 North Florida Avenue			omTol	
Tampa, Florida USA 33602-2902 Toll Free North America 1-888-255	2024 Int. 101 912 249 0572		nemTel	
Website: www.chemtelinc.com	-3324 Intt. +01 013-240-0373		INC.	
	believed to be accurate but is not warranted to anufacturers of the components of the product.			
applicable and suited to the circums	stances of use. Vendor assumes no responsibilit	y for injury to vendee o	r third persons proxi	imately caused by the material if
reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as				
described in Section 1.	ry procedures are ronowed. Any questions rega	aroning this product shou		is manufacturer of the product as

MSDS No: 0010

# MATERIAL SAFETY DATA SHEET PATCH RUBBER COMPANY

	Page:	1 of 7
CLEANER FLUID	Date Prepared:	Jan. 24, 2012

#### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<u>Material Identity</u> Product Name: Product Code:

CLEANER FLUID 16-471, 16-472, 98-860, & 97-292

EMERGENCY TELEPHONE NUMBER
Call CHEM TEL only in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving chemicals. (800) 255-3924 North America
(813) 248-0585 (Collect) International
HEALTH EMERGENCIES
Call LOS ANGELES Poison Information Center (24 hrs.) 1-800-356-3129

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS:

Ingredient (s)	CAS Number	% (by weight)
Heptane	142-82-5	77-79
Acetone	67-64-1	21-23

# 3. HAZARDS IDENTIFICATION

#### **Potential Health Effects**

Eye:

May cause mild eye irritation. Symptoms include stinging, tearing, and redness.

#### Skin:

Can cause skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, and drying and cracking of skin, burns, and other skin damage. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

# **CLEANER FLUID**

#### Swallowing:

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

#### Inhalation:

Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms usually occur at air concentrations higher than the recommended exposure limits (See Section 8).

#### Symptoms of Exposure:

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airway), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness), temporary changes in mood and behavior, loss of appetite, loss of coordination, irregular heartbeat, narcosis (dazed or sluggish feeling).

#### Target Organ Effects:

Mild, reversible kidney effects, central nervous system damage.

#### **Developmental Information:**

There are no data available for assessing risk to the fetus from maternal exposure to this material.

#### Cancer Information:

There is no information available. The chance of this material causing cancer is unknown.

#### **Other Health Effects:**

No Data.

#### Primary Route (s) of Entry:

Inhalation, skin absorption, skin contact, eye contact, ingestion.

#### 4. FIRST AID MEASURES

#### Eyes:

If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.

#### Skin:

Remove contaminated clothing. Flush exposed area with large amounts of water. If skin is damaged, seek immediate medical attention. If skin is not damaged and symptoms persist, seek medical attention. Launder clothing before reuse.

#### Swallowing:

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

# **CLEANER FLUID**

#### Inhalation:

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

#### Note to Physicians:

Inhalation of high concentrations of this material, as could occur in enclosed spaces or during deliberate abuse, my be associated with cardiac arrhythmias. Sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material. This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity (See Section 3 – Swallowing) when deciding whether to induce vomiting. Pre-existing disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin, lung (for example, asthma-like conditions). Individuals with pre-existing heart disorders may be more susceptible to arrhythmias (irregular heartbeats) if exposed to high concentrations of this material.

#### 5. FIRE FIGHTING MEASURES

#### Fire Flash Point:

-4 F (-20.2 C) TCC

#### Explosive Limit:

(for product) Lower 1.1 Upper 13.2%

#### Autoignition Temperature:

399.0 F (203.8 C)

#### Hazardous Products of Combustion:

May form: carbon dioxide and carbon monoxide, various hydrocarbons.

#### Fire and Explosion Hazards:

Material is highly volatile and readily gives off vapors, which may travel along the ground or be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point. Never use welding or cutting torch on or near drums (even empty) because product (even just residue) can ignite explosively.

#### **Extinguishing Media:**

Regular foam, carbon dioxide, dry chemical.

#### Fire Fighting Instructions:

Wear a self-contained breathing apparatus with a full-face piece operated in the positive pressure demand mode with appropriate turnout gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS.

NFPA Rating: Health - 1 Flammability - 3 Reactivity - 0

# CLEANER FLUID

### 6. ACCIDENTAL RELEASE MEASURES

#### Small Spill:

Absorb liquid on vermiculite, floor absorbent or other absorbent material.

#### Large Spill:

Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If runoff occurs, notify authorities as required. Pump or vacuum transfer-spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal. Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required, that a spill has occurred.

### 7. HANDLING AND STORAGE

#### Handling:

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. All five-gallon pails and larger metal containers, including tank cars and tank trucks, should be grounded and/or bonded when material is transferred. Hydrocarbon solvents are basically non-conductors of electricity and can become electrostatic ally charged during mixing, filtering or pumping at high flow rates. If this charge reaches a sufficiently high level, sparks can form that may ignite the vapors of flammable liquids. **WARNING:** Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperature and pressure, or sudden ingress of air into vacuum equipment, may result in ignitions without the presence of obvious ignition sources. Published "autoignition" or "ignition" temperature values cannot be treated as safe operating temperatures in chemical processes without analysis of the actual process conditions. Any use of this product in elevated temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Eye Protection:

Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety representative.

#### **Skin Protection:**

Wear resistant gloves (consult your safety equipment supplier). To prevent repeated or prolonged skin contact, wear impervious clothing and boots....

#### **Respiratory Protections:**

If working exposure limit(s) of product or any component is exceeded (see exposure guidelines), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (see your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure.

# **CLEANER FLUID**

#### Engineering Controls:

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

#### **Exposure Guidelines:**

Component HEPTANE (142-82-5)

#### ACETONE (67-64-1)

OSHA VPEL 400.00 ppm – TWA OSHA VPEL 500.00 ppm – STEL ACGIH TLV 400.00 ppm – TWA ACGIH TLV 500.00 ppm – STEL OSHA PEL 750 ppm OSHA TLV 750 ppm OSHA STEL 1000 ppm ACGIH STEL 1000 ppm NIOSH TWA 250 ppm recommended

# 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: (for product)	133-200 F (56.6 – 93.3 C) @ 760 mmHg
------------------------------	--------------------------------------

Vapor Pressure: (for product) 186 mmHg @ 68.00 F

Specific Vapor Density: 3.500 @ Air = 1

Specific Gravity: 0.72

Liquid Density: 6.00 lbs/gal.

Percent Volatiles: 100

Volatile Organic Compounds (VOC): 720.0 g/L VOC -0.0 g/L Water-158.4 g/L Exempt Voc = 561.6 g/L Non-Exempt VOC

**Evaporation Rate:** 2.80 (Butyl Acetate)

Appearance: Clear

State: Liquid

Odor: Light Hydrocarbon

Solubility in Water: < 24%

PATCH RUBBER COMPANY	Page: Date Prepared:	6 of 7 Jan. 24, 2012				
CLEANER FLUID	MSDS No:	0010				
10. STABILITY AND REACTIVITY Hazardous Polymerization: Product will not undergo haz	zardous polymerization.					
Hazardous Decomposition: May form: carbon dioxide 8	carbon monoxide, variou	is hydrocarbons.				
Chemical Stability: Stable						
Incompatibility: Avoid contact with: strong oxidizing age	nts.					
11.         TOXICOLOGICAL INFORMATION         (No data)						
12. ECOLOGICAL INFORMATION (No Data)						
12.ECOLOGICAL INFORMATION(No Data)	I					
13.DISPOSAL CONSIDERATIONWaste Management Information:Dispose of in accordance with all applicable local, state an	d federal regulations.					
14. TRANSPORT INFORMATION						
	DOT Description: 16-472, 98-860 16-471, 97-292 Flammable Liquid, N.O.S. Consumer Commodity (contains Heptane/Acetone) ORM-D UN1993 PG II					
	e 5,000 Lbs.) nt to 25,000 lbs. of this pro	oduct.				
15. REGULATORY INFORMATION:						
US Federal Regulations TSCA (Toxic Substances Control Act) Status TSCA (United States) The intentional ingredients of CERCLA RQ – 40 CFR 402.4 (a) None Listed	of this product as listed.					
SARA 302 Components – 40 CFR 355 Appendix A (None)						
Section 311/312 Hazard Class – 40 CFR 370.2 Immediate (X)  Delayed (X)  Fire (X)  Reactivity() Sudden Release of Pressure()						
SARA 313 Components – 40 CFR 372.65 (None)						
PATCH RUBBER COMPANY	Page:	7 of 7				

Page: 7 of 7 Date Prepared: Jan. 24, 2012

### State and Local Regulations

#### **California Proposition 65**

The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains the following substance (s) known to the state of **California to cause cancer. BENZENE** 

The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains the following substance(s) known to the state of California to cause reproductive harm. BENZENE TOLUENE

#### New Jersey RTK Label Information

N-Heptane	142-82-5
Pennsylvania RTK Label Information	
Heptane (N-)	142-82-5

#### 16. OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

#### DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

The information in this document is believed to be correct as of the date issued. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THIS INFORMATION, THE RESULTS TO BE OBTAINED FROM HAZARDS RELATED TO ITS USE. This information and product are furnished on the condition that the person receiving them shall make his own determination as to the suitability of the product for his particular purpose and on the condition that he assumes the risk of his use thereof.

PREPARED BY: Marlo Carter

MSDS Name: STAN MARK #310 Y MSDS Number: C-4100 Version Number MSDS Date: MAR-09	-2010
Page Number: 1 of	4
<b>x</b>	
SECTION I - PRODUCT AND COM	PANY INFORMATION
	STAN MARK #310 YELLOW CRAYON MIXTURE Health: 0 Fire: 1 Reactivity: 0 PPI: H
Company Identification:	Akron Paint & Varnish, Inc. DBA APV Engineered Coatings 1390 Firestone Parkway Akron OH 44301
Contact: Telephone/Fax: Emergency Phone (24 Hour): Chemtrec (24 Hour):	James K. Mosey (330) 773-8911 (330) 773-1028 EVENING ADMINISTRATOR (330) 773-8911 (800) 424-9300
Product Class Trade Name Product Code DOT Hazard Class UN Number UN Pack Group UN Class Shipping Name Technical Name	CRAYON C-4100
ADDITIONAL INFORMATION	
SECTION II - INGREDIENT AND	HAZARD INFORMATION
Ingredient Name (No hazardous ingredients k	CAS Number Percent TSCA nown at this time.)
ADDITIONAL INFORMATION	
SECTION 313 SUPPLIER NOTIFICATION: THIS PRODUCT MAY CONTAIN TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT TO KNOW ACT	

MSDS Name: STAN MARK #310 YELLOW CRAYON MSDS Number: C-4100 Version Number MSDS Date: MAR-09-2010 Page Number: 2 of 4 OF 1986 AND 40 CFR 372 (NOTED BY THE \$ SYMBOL). n/e = not established n/a = not available ALL COMPONENTS OF THIS MIXTURE ARE LISTED ON THE TSCA INVENTORY. SECTION III - PHYSICAL DATA Form:SOLIDAppearance/Color:YELLOWpH Value:Not ApplicableBoiling Range:400.°F - 410.°F (204.44°C - 210.°C)Vapor Pressure (mmHg):Not AvailableMelting Point:141.5°F (60.83°C)Evaporation Rate:UnavailableVapor Density:Heavier than air SOLID Form: Partition Coefficient % Volatile Weight 0.% 0.% 1.10 0.00 % Volatile Volume Specific Gravity: VOC Molecular Weight: Heavy Elements (ppm) 0. SECTION IV - FIRE AND EXPLOSION HAZARD DATA Flammability ClassIIIBFlash Range:Not ApplicableExplosive Range:Not Applicable EXTINGUISHING MEDIA: Carbon Dioxide---Dry Chemical---Foam---Water Fog Use water for cooling material stored in vicinity of fire. SPECIAL FIREFIGHTING PROCEDURES: Use self-contained breathing apparatus with a full facepiece operated in pressure-demand or other positive pressure mode. Wear protective clothing. UNUSUAL FIRE & EXPLOSION HAZARDS: None \_\_\_\_\_\_

MSDS Name: STAN MARK #310 YELLOW CRAYON MSDS Number: C-4100 Version Number MSDSDate:MAR-09-2010PageNumber:3 of 4 SECTION V - HEALTH HAZARD DATA Route Species Exposure and Dose PERMISSIBLE EXPOSURE LEVEL: Refer to Section II EFFECTS OF OVEREXPOSURE: EYES: Not normally affected. SKIN: Not normally affected. Wash skin with soap and water. BREATHING: Not normally affected. SWALLOWING: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. FIRST AID: SKIN: Wash thoroughly with soap and water. SWALLOWING: The decision to induce vomiting or not must be made by a physician after careful consideration of all materials ingested. SECTION VI - REACTIVITY DATA Stability: This product is stable Hazardous Polymerization: Hazardous polymerization will not occur INCOMPATIBILITY Avoid contact with strong oxidizers ( e.g. nitric acid ) CONDITIONS TO AVOID: Keep away from heat and open flame. HAZARDOUS DECOMPOSITION PRODUCTS: May form carbon monoxide and dioxide, various hydrocarbons, etc. SECTION VII - SPILL OR LEAK PROCEDURES STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED SMALL SPILL: Not normally a hazard. Remove crayon material from floor to reduce slip hazard. WASTE DISPOSAL METHOD: Dispose of in accordance with federal, state and local requlations.

MSDS Name: STAN MARK #310 YELLOW CRAYON MSDS Number: C-4100 Version Number MSDS Date:MAR-09-2010Page Number:4 of 4 \_\_\_\_\_ \_\_\_\_\_ SECTION VIII - SPECIAL PROTECTION INFORMATION Occupational Exposure Limits ACGIH TLV ACGIH TLV-C ACGIH STEL OSHA STEL OSHA PEL RESPIRATORY PROTECTION: NONE REQUIRED. VENTILATION: Provide sufficient ventilation in volume and pattern to keep air contaminant concentration below current applicable OHSA premissible exposure limit or ACGIH TLV limit, and volatiles below lower explosive limit. HOT ORGANIC CHEMICAL VAPOR OR MISTS ARE SUSCEPTIBLE TO SUDDEN SPONTANEOUS COMBUSTION WHEN MIXED WITH AIR. IGNITION MAY OCCUR AT TEMPERATURES BELOW THOSE PUBLISHED IN THE LITER-ATURE AS "AUTOIGNITION" OR "IGNITION" TEMPERATURES. PROTECTIVE GLOVES: None normally required. EYE PROTECTION: None normally required. OTHER PROTECTIVE EQUIPMENT: Normal protective clothing. Wash contaminated clothing before reuse. SECTION IX - SPECIAL PRECAUTIONS PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: None normally required. OTHER PRECAUTIONS: The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. SECTION X - ADDITIONAL REGULATORY INFORMATION SARA TITLE III SECTION 313: PROP 65 (CARCINOGEN):

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MSDS Name: STAN MARK #310 YELLOW CRAYON MSDS Number: C-4100 Version Number MSDS Date: MAR-09-2010 Page Number: 5 of 4

NONE KNOW AT THIS TIME PROP 65 (TERATOGEN):

PROP 65 (BOTH CARCINOGEN AND TERATOGEN):

# **MSDS No:**

# 0001 MATERIAL SAFETY DATA SHEET PATCH RUBBER COMPANY

### **BEAD SEALER**

Page: 1 of 7 Date Prepared: Jan. 7, 2009

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

# Material Identity

Product Name: Product Code: BEAD SEALER 16-117, 16-118, 16-119, & 97-293

COMPANY	EMERGENCY TELEPHONE NUMBER
PATCH RUBBER CO. P.O. BOX H ROANOKE RAPIDS, NC 27870	Call CHEM TEL only in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving chemicals. (800) 255-3924 North America
TELEPHONE: (252) 536-2574	(813) 248-0585 (Collect) International
	HEALTH EMERGENCIES
	Call LOS ANGELES Poison Information Center (24 hrs.) 1-800-356-3129

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS:

Ingredient (s)	CAS Number	% (by weight)
Heptane	142-82-5	81-85
Carbon Black	1333-86-4	<3

#### 3. HAZARDS IDENTIFICATION

#### **Potential Health Effects**

Eye:

May cause mild eye irritation. Symptoms include stinging, tearing, and redness.

Skin:

Can cause skin irritation. Prolonged or repeated contact may dry the skin. Symptoms

may include redness, burning, and drying and cracking of skin, burns, and other skin damage. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

PATCH RUBBER COMPANY	Page:	2 of 7
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BEAD SEALER	MSDS No:	0001

#### Swallowing:

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

#### Inhalation:

Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms usually occur at air concentrations higher than the recommended exposure limits (See Section 8).

#### Symptoms of Exposure:

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airway), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness), temporary changes in mood and behavior, loss of appetite, loss of coordination, irregular heartbeat, narcosis (dazed or sluggish feeling).

#### Target Organ Effects:

Mild, reversible kidney effects, central nervous system damage.

#### **Developmental Information:**

There are no data available for assessing risk to the fetus from maternal exposure to this material.

#### Cancer Information:

There is no information available. The chance of this material causing cancer is unknown.

#### **Other Health Effects:**

No Data.

#### Primary Route (s) of Entry:

Inhalation, skin absorption, skin contact, eye contact, ingestion.

#### 4. FIRST AID MEASURES

#### Eyes:

If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.

#### Skin:

Remove contaminated clothing. Flush exposed area with large amounts of water. If skin is damaged, seek immediate medical attention. If skin is not damaged and symptoms persist, seek medical attention. Launder clothing before reuse.

#### Swallowing:

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

PATCH RUBBER COMPANY	Page:	3 of 7
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BEAD SEALER	MSDS No:	0001

#### Inhalation:

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

#### Note to Physicians:

Inhalation of high concentrations of this material, as could occur in enclosed spaces or during deliberate abuse, my be associated with cardiac arrhythmias. Sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material. This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity (See Section 3 – Swallowing) when deciding whether to induce vomiting. Pre-existing disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin, lung (for example, asthma-like conditions). Individuals with pre-existing heart disorders may be more susceptible to arrhythmias (irregular heartbeats) if exposed to high concentrations of this material.

#### 5. FIRE FIGHTING MEASURES

#### FIRE Flash Point:

15.0 F (-10 C) TCC

#### **Explosive Limit:**

(for product) Lower 1.1 Upper 6.7%

#### Autoignition Temperature:

399.0 F (203.8 C)

#### Hazardous Products of Combustion:

May form: carbon dioxide and carbon monoxide, various hydrocarbons.

#### Fire and Explosion Hazards:

Material is highly volatile and readily gives off vapors, which may travel along the ground or be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point. Never use welding or cutting torch on or near drums (even empty) because product (even just residue) can ignite explosively.

#### **Extinguishing Media:**

Regular foam, carbon dioxide, dry chemical.

#### Fire Fighting Instructions:

Wear a self-contained breathing apparatus with a full-face piece operated in the positive pressure demand mode with appropriate turnout gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS.

NFPA Rating: Health - 1	Flammability - 3	Reactivity - 0
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# **BEAD SEALER**

#### 6. ACCIDENTAL RELEASE MEASURES

#### Small Spill:

Absorb liquid on vermiculite, floor absorbent or other absorbent material.

#### Large Spill:

Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If runoff occurs, notify authorities as required. Pump or vacuum transfer-spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal. Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required, that a spill has occurred.

#### 7. HANDLING AND STORAGE

#### Handling:

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. All five-gallon pails and larger metal containers, including tank cars and tank trucks, should be grounded and/or bonded when material is transferred. Hydrocarbon solvents are basically non-conductors of electricity and can become electrostatic ally charged during mixing, filtering or pumping at high flow rates. If this charge reaches a sufficiently high level, sparks can form that may ignite the vapors of flammable liquids. **WARNING:** Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperature and pressure, or sudden ingress of air into vacuum equipment, may result in ignitions without the presence of obvious ignition sources. Published "autoignition" or "ignition" temperature values cannot be treated as safe operating temperatures in chemical processes without analysis of the actual process conditions. Any use of this product in elevated temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Eye Protection:

Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety representative.

#### **Skin Protection:**

Wear resistant gloves (consult your safety equipment supplier). To prevent repeated or prolonged skin contact, wear impervious clothing and boots....

#### **Respiratory Protections:**

If working exposure limit(s) of product or any component is exceeded (see exposure guidelines), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions

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 0001

(see your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure.

PATCH RUBBER COMPANY	Page:	5 of 7
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BEAD SEALER	MSDS No:	0001

#### Engineering Controls:

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

#### **Exposure Guidelines:**

Component HEPTANE (142-82-5)

CARBON BLACK (1333-86-4)

OSHA VPEL 400.00 ppm – TWA OSHA VPEL 500.00 ppm – STEL ACGIH TLV 400.00 ppm – TWA ACGIH TLV 500.00 ppm – STEL ACGIH 3.5 MG/M<sup>3</sup>- TWA

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	(for product)	200.0 F (93.3 C) @ 760 mmHg
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Vapor Pressure: (for product) 40.000 mmHg @ 68.00 F

Specific Vapor Density: 3.500 @ Air = 1

Specific Gravity: 0.74

Liquid Density: 6.16 lbs/gal.

Percent Volatiles: 81-85

Volatile Organic Compounds (VOC): 590 g/l

**Evaporation Rate:** 2.80 (Butyl Acetate)

Appearance: Black

State: Liquid

Odor: Light Hydrocarbon

Solubility in Water: Negligible

#### **BEAD SEALER**

#### 10. STABILITY AND REACTIVITY

Hazardous Polymerization: Product will not undergo hazardous polymerization.

Hazardous Decomposition: May form: carbon dioxide & carbon monoxide, various hydrocarbons.

Chemical Stability: Stable

Incompatibility: Avoid contact with: strong oxidizing agents.

#### TOXICOLOGICAL INFORMATION 11.

12. ECOLOGICAL INFORMATION

#### 13. **DISPOSAL CONSIDERATION**

#### Waste Management Information:

Dispose of in accordance with all applicable local, state and federal regulations.

#### TRANSPORT INFORMATION 14.

#### DOT Information – 49 CFR 172.101

DOT Description: 16-119 (International) 16-117 Adhesive UN1133 PG II 3

16-119 (Domestic, Canada) 16-118, 97-293 **Consumer Commodity** ORM-D

RQ (Reportable Quantity) – 49 CFR 172.101 (Not Applicable)

#### 15. **REGULATORY INFORMATION:**

#### **US Federal Regulations**

#### **TSCA (Toxic Substances Control Act) Status**

TSCA (United States) The intentional ingredients of this product as listed.

CERCLA RQ - 40 CFR 402.4 (a) None Listed

SARA 302 Components – 40 CFR 355 Appendix A (None)

Section 311/312 Hazard Class – 40 CFR 370.2 Immediate (X) Delayed (X) Fire (X) Reactivity () Sudden Release of Pressure ()

SARA 313 Components – 40 CFR 372.65 (None)

# Date Prepared: Jan. 7, 2009 MSDS No: 0001

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(No data)

(No Data)

# **BEAD SEALER**

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Date Prepared:	Jan. 7, 2009
MSDS No:	0001

# State and Local Regulations

#### California Proposition 65

The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains the following substance (s) known to the state of **California to cause cancer. BENZENE** 

The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains the following substance(s) known to the state of California to cause reproductive harm. BENZENE TOLUENE

#### New Jersey RTK Label Information

N-Heptane	142-82-5
Pennsylvania RTK Label Information	
Heptane (N-)	142-82-5

#### 16. OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

#### DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

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PREPARED BY: Marlo Carter

# MSDS No: 0019

# **MATERIAL SAFETY DATA SHEET** PATCH RUBBER COMPANY

#### **REPAIR SEALER**

1 of 7 Page: Date Prepared: Jan. 24, 2012

#### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity **Product Name:** Product Code:

**REPAIR SEALER** 16-170, 16-171

COMPANY	EMERGENCY TELEPHONE NUMBER
PATCH RUBBER CO.	Call CHEM TEL only in the event of chemical
P.O. BOX H	emergencies involving a spill, leak, fire, exposure, or
ROANOKE RAPIDS, NC 27870	accident involving chemicals. (800) 255-3924 North America
TELEPHONE: (252) 536-2574	(813) 248-0585 (Collect) International
	(
	HEALTH EMERGENCIES
	Call LOS ANGELES Poison Information Center
	(24 hrs.) 1-800-356-3129

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS:

Ingredient (s)	CAS Number	% (by weight)
Heptane	142-82-5	62-64
Carbon Black	1333-86-4	<15

#### 3. HAZARDS IDENTIFICATION

#### **Potential Health Effects**

Eve:

May cause mild eye irritation. Symptoms include stinging, tearing, and redness.

#### Skin:

Can cause skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, and drying and cracking of skin, burns, and other skin damage. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

# **REPAIR SEALER**

# Page: 2 of 7 Date Prepared: Jan. 24, 2012 MSDS No: 0019

#### Swallowing:

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

#### Inhalation:

Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms usually occur at air concentrations higher than the recommended exposure limits (See Section 8).

#### Symptoms of Exposure:

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airway), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness), temporary changes in mood and behavior, loss of appetite, loss of coordination, irregular heartbeat, narcosis (dazed or sluggish feeling).

#### Target Organ Effects:

Mild, reversible kidney effects, central nervous system damage.

#### **Developmental Information:**

There are no data available for assessing risk to the fetus from maternal exposure to this material.

#### Cancer Information:

There is no information available. The chance of this material causing cancer is unknown.

#### **Other Health Effects:**

No Data.

#### Primary Route (s) of Entry:

Inhalation, skin absorption, skin contact, eye contact, ingestion.

#### 4. FIRST AID MEASURES

#### Eyes:

If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.

#### Skin:

Remove contaminated clothing. Flush exposed area with large amounts of water. If skin is damaged, seek immediate medical attention. If skin is not damaged and symptoms persist, seek medical attention. Launder clothing before reuse.

#### Swallowing:

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

# **REPAIR SEALER**

# Page: 3 of 7 Date Prepared: Jan. 24, 2012 MSDS No: 0019

#### Inhalation:

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

#### Note to Physicians:

Inhalation of high concentrations of this material, as could occur in enclosed spaces or during deliberate abuse, my be associated with cardiac arrhythmias. Sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material. This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity (See Section 3 – Swallowing) when deciding whether to induce vomiting. Pre-existing disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin, lung (for example, asthma-like conditions). Individuals with pre-existing heart disorders may be more susceptible to arrhythmias (irregular heartbeats) if exposed to high concentrations of this material.

#### 5. FIRE FIGHTING MEASURES

#### FIRE Flash Point:

15 F (-10 C) TCC

#### Explosive Limit:

(for product) Lower 1.1 Upper 6.7%

#### Autoignition Temperature:

399.0 F (203.8 C)

#### Hazardous Products of Combustion:

May form: carbon dioxide and carbon monoxide, various hydrocarbons.

#### Fire and Explosion Hazards:

Material is highly volatile and readily gives off vapors, which may travel along the ground or be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point. Never use welding or cutting torch on or near drums (even empty) because product (even just residue) can ignite explosively.

#### **Extinguishing Media:**

Regular foam, carbon dioxide, dry chemical.

#### Fire Fighting Instructions:

Wear a self-contained breathing apparatus with a full-face piece operated in the positive pressure demand mode with appropriate turnout gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS.

NFPA Rating: Health - 1 Flammability - 3 Reactivity - 0

# **REPAIR SEALER**

# Page: 4 of 7 Date Prepared: Jan. 24, 2012 MSDS No: 0019

### 6. ACCIDENTAL RELEASE MEASURES

#### Small Spill:

Absorb liquid on vermiculite, floor absorbent or other absorbent material.

#### Large Spill:

Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If runoff occurs, notify authorities as required. Pump or vacuum transfer-spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal. Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required, that a spill has occurred.

### 7. HANDLING AND STORAGE

#### Handling:

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. All five-gallon pails and larger metal containers, including tank cars and tank trucks, should be grounded and/or bonded when material is transferred. Hydrocarbon solvents are basically non-conductors of electricity and can become electrostatic ally charged during mixing, filtering or pumping at high flow rates. If this charge reaches a sufficiently high level, sparks can form that may ignite the vapors of flammable liquids. **WARNING:** Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperature and pressure, or sudden ingress of air into vacuum equipment, may result in ignitions without the presence of obvious ignition sources. Published "autoignition" or "ignition" temperature values cannot be treated as safe operating temperatures in chemical processes without analysis of the actual process conditions. Any use of this product in elevated temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Eye Protection:

Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety representative.

#### **Skin Protection:**

Wear resistant gloves (consult your safety equipment supplier). To prevent repeated or prolonged skin contact, wear impervious clothing and boots....

#### **Respiratory Protections:**

If working exposure limit(s) of product or any component is exceeded (see exposure guidelines), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (see your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure.

# **REPAIR SEALER**

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#### Engineering Controls:

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

#### Exposure Guidelines:

Component HEPTANE (142-82-5)

CARBON BLACK (1333-86-4)

OSHA VPEL 400.00 ppm – TWA OSHA VPEL 500.00 ppm – STEL ACGIH TLV 400.00 ppm – TWA ACGIH TLV 500.00 ppm – STEL ACGIH 3.5 MG/M<sup>3</sup> - TWA

# 9. PHYSICAL AND CHEMICAL PROPERTIES

- **Boiling Point:** (for product) 200.0 F (93.3 C) @ 760 mmHg
- Vapor Pressure: (for product) 40.000 mmHg @ 68.00 F

Specific Vapor Density: 3.500 @ Air = 1

- Specific Gravity: 0.82
- Liquid Density: 6.80 lbs/gal.
- Percent Volatiles: 62-64
- Volatile Organic Compounds (VOC): 520 g/l
- **Evaporation Rate:** 2.80 (Butyl Acetate)
- Appearance: Black
- State: Liquid
- Odor: Light Hydrocarbon
- Solubility in Water: Negligible

## **REPAIR SEALER**

## 10. STABILITY AND REACTIVITY

Hazardous Polymerization: Product will not undergo hazardous polymerization.

Hazardous Decomposition: May form: carbon dioxide & carbon monoxide, various hydrocarbons.

(No data)

Chemical Stability: Stable

**Incompatibility:** Avoid contact with: strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

12. ECOLOGICAL INFORMATION (No Data)

## 13. DISPOSAL CONSIDERATION

Waste Management Information:

Dispose of in accordance with all applicable local, state and federal regulations.

#### 14. TRANSPORT INFORMATION

DOT Information – 49 CFR 172.101

DOT Description: 16-171 (International) Adhesive UN1133 PG II 3 16-171 (Domestic, Canada) 16-170 Consumer Commodity ORM-D

**RQ (Reportable Quantity) – 49 CFR 172.101** (Not Applicable)

#### 15. REGULATORY INFORMATION:

#### US Federal Regulations

TSCA (Toxic Substances Control Act) Status

TSCA (United States) The intentional ingredients of this product as listed.

CERCLA RQ – 40 CFR 402.4 (a) None Listed

SARA 302 Components – 40 CFR 355 Appendix A (None)

Section 311/312 Hazard Class – 40 CFR 370.2 Immediate (X) Delayed (X) Fire (X) Reactivity ( ) Sudden Release of Pressure ( )

SARA 313 Components – 40 CFR 372.65 (None)

PATCH RUBBER COMPANY

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 Date Prepared:
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 0019

### State and Local Regulations

### **California Proposition 65**

The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains the following substance (s) known to the state of **California to cause cancer. BENZENE** 

The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains the following substance(s) known to the state of California to cause reproductive harm. BENZENE TOLUENE

#### New Jersey RTK Label Information

N-Heptane	142-82-5
Pennsylvania RTK Label Information	
Heptane (N-)	142-82-5

#### 16. OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

#### DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

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PREPARED BY: Marlo Carter