

SAFETY DATA SHEET

Product : 490 Neoprene Cement

Date Prepared : May 4th, 2017

Section 1 - Product and Company Identification

Product Name/Identifier : 490 Neoprene Cement
Other name / Synonym :
Company Information : Robco Inc.
Address : 7200 St.Patrick, LaSalle QC Canada H8N 2W7
Telephone : 514-367-2252
Email : info@robco.com
Website : www.robco.com

Section 2 - Hazards identification

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation Category 2	Category 2
Serious eye damage/eye irritation	Category 2
Skin sensitization	Category 1
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
Flammable liquids	Category 2

Label elements

Emergency Overview

Signal Word : Danger

Hazard Statements

CAUSES SKIN IRRITATION

Causes serious eye irritation

May cause an allergic skin reaction

Suspected of damaging fertility or the unborn child

May be harmful if swallowed and enters airways

May cause respiratory irritation

May cause drowsiness or dizziness

Flammable liquid and vapor



Appearance : Straw color

Physical State : Liquid

Odor : Hydrocarbon-like

Precautionary Statements - Prevention

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Wear protective gloves/protective clothing/eye protection/face protection
Wash face, hands and any exposed skin thoroughly after handling
Contaminated work clothing must not be allowed out of the workplace
Do not breathe dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention
Specific treatment (see Section 4 on this SDS)
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice
IF ON SKIN: Wash with plenty of water and soap
Take off contaminated clothing and wash it before reuse
If skin irritation or rash occurs: Get medical advice/attention
IF INHALED: Remove person to fresh air and keep comfortable for breathing
IF SWALLOWED: Immediately call a POISON CENTER or doctor
Do NOT induce vomiting

Precautionary Statements - Storage

Store in a well-ventilated place. Keep container tightly closed
Keep from freezing

Precautionary Statements - Disposal

Dispose of in accordance with federal, state and local regulations

Hazards not otherwise classified (HNOC)

None under normal processing
STATIC ACCUMULATING FLAMMABLE LIQUID CAN BECOME
ELECTROSTATICALLY CHARGED EVEN IN BONDED AND
GROUNDED EQUIPMENT
Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights,
electric motors and static electricity)
Vapors may cause flash fire or explosion

Other Information

Unknown acute toxicity 4.68499 % of the mixture consists of ingredient(s) of unknown toxicity



Engineered Solutions since 1911

SAFETY DATA SHEET

Section 3 - Composition/information on ingredients

Components	CAS No.	Weight-%	Trade Secret
Acetone	67-64-1	30-60	*
Hexane	110-54-3	15-30	*
Toluene	108-88-3	5.0-15	*
3-Methylpentane	96-14-0	5.0-15	*
2-Methylpentane	107-83-5	1-5%	*
Rosin	8050-09-7	<1.0% *	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

Section 4 - First aid measures

Eye Contact

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin Contact

Wash off immediately with soap and plenty of water. Take off contaminated clothing and wash before reuse. In the case of skin irritation or allergic reactions see a physician.

Inhalation

Remove to fresh air.

Ingestion

None under normal use conditions. Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

Notes to Physician

May cause sensitization by inhalation and skin contact. The main hazard following accidental ingestion is aspiration of the liquid into the lungs producing chemical pneumonitis. If symptoms such as loss of gag reflex, convulsions or unconsciousness occur before vomiting, gastric lavage with a cuffed endotracheal tube should be considered.

Section 5 - Firefighting measures

Suitable Extinguishing Media

Alcohol-resistant foam, Water spray or fog

Unsuitable Extinguishing Media

Do not use a solid water stream as it may scatter and spread fire.

Specific Hazards Arising from the Chemical

Flammable. Vapors may accumulate in confined areas (basement, tanks, hopper/tank cars, etc.). Vapors may form explosive mixtures with air. Do not allow run-off from fire-fighting to enter drains or water courses. Dried product is capable of burning. Sealed containers may rupture when heated.

Explosion Data

Sensitivity to mechanical impact

None.

Sensitivity to static discharge

May be ignited by heat, sparks or flames. This liquid may accumulate static electricity when filling properly grounded containers. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6 - Accidental release measures

Personal Precautions

Use personal protection equipment. Ensure adequate ventilation. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

Environmental precautions

See Section 12 for additional Ecological Information.

Methods for Cleaning Up

Pick up and transfer to properly labeled containers. Prevent environmental discharge consistent with regulatory requirements. Disposal should be in accordance with applicable regional, national and local laws and regulations.

Section 7 - Handling and storage

Handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes, skin and clothing.

Storage

Keep containers tightly closed in a cool, well-ventilated place. Keep from freezing.

Incompatible Products

Water-reactive materials.

Section 8 - Exposure controls/personal protection

Exposure Guidelines

Components	ACGIH TLV	OSHA PEL	NIOSH IDLH
Acetone 67-64-1	BEI: 25 mg/L urine 500 ppm STEL TWA: 250 ppm	TWA: 1000 ppm TWA: 2400 mg/m3 (vacated) TWA: 750 ppm (vacated) TWA: 1800 mg/m3 (vacated) STEL: 2400 mg/m3 (vacated) STEL: 1000 ppm	IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m3
Hexane 110-54-3	BEI: 0.4 mg/L urine TWA: 50 ppm Skin	TWA: 500 ppm TWA: 1800 mg/m3 (vacated) TWA: 50 ppm (vacated) TWA: 180 mg/m3 (vacated) TWA: 500 ppm (vacated) TWA: 1800 mg/m3 (vacated) STEL: 1000 ppm (vacated) STEL: 3600 mg/m3	IDLH: 1100 ppm TWA: 50 ppm TWA: 180 mg/m3



Engineered Solutions since 1911

SAFETY DATA SHEET

Toluene 108-88-3	BEI: 0.02 mg/L blood BEI: 0.03 mg/L urine BEI: 0.3 mg/g creatinine urine TWA: 20 ppm	TWA: 200 ppm (vacated) TWA: 100 ppm (vacated) TWA: 375 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 560 mg/m ³ Ceiling: 300 ppm	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 560 mg/m ³
3-Methylpentane 96-14-0	1000 ppm STEL (listed under Hexane isomers other than n-hexane) 1000 ppm STEL TWA: 500 ppm	(vacated) TWA: 500 ppm (vacated) TWA: 1800 mg/m ³ (vacated) STEL: 1000 ppm (vacated) STEL: 3600 mg/m ³	Ceiling: 510 ppm Ceiling: 1800 mg/m ³ TWA: 100 ppm TWA: 350 mg/m ³
2-Methylpentane 107-83-5	1000 ppm STEL (listed under Hexane isomers other than n-hexane) 1000 ppm STEL TWA: 500 ppm	(vacated) TWA: 500 ppm (vacated) TWA: 1800 mg/m ³ (vacated) STEL: 1000 ppm (vacated) STEL: 3600 mg/m ³	Ceiling: 510 ppm Ceiling: 1800 mg/m ³ TWA: 100 ppm TWA: 350 mg/m ³
Rosin 8050-09-7	-	(vacated) TWA: 0.1 mg/m ³	TWA: 0.1 mg/m ³

Engineering Measures

Showers
Eyewash stations
Ventilation systems.

Eye/Face Protection

Avoid contact with eyes. Eye protection.

Skin and Body Protection

Wear protective gloves/protective clothing.

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Take off contaminated clothing and wash before reuse.

Section 9 - Physical and chemical properties

Physical State Liquid	Appearance Straw color	Color Straw color
Odor Hydrocarbon-like	Odor Threshold No data available	

Property	Values
pH	4.0 - 4.5
Melting point / freezing point	No information available
Boiling Point / Boiling Range	Specific test data for the substance or mixture is not available
Flash Point	Specific test data for the substance or mixture is not available
Evaporation Rate	No information available
Flammability (solid, gas)	No information available
Flammability Limit in Air	
Upper Explosive Limits	Specific test data for the substance or mixture is not available
Lower Explosive Limits	
Vapor pressure	Negligible
Vapor Density	Specific test data for the substance or mixture is not available
Specific Gravity	1.08
Water Solubility	Miscible with water
Solubility in other solvents	Specific test data for the substance or mixture is not available
Partition coefficient	No information available
Autoignition Temperature	
Decomposition Temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	4,000 - 5,000 cps
Explosive Properties	No information available
Oxidizing Properties	No information available
Other Information	
Softening Point	Specific test data for the substance or mixture is not available
Solids	48.5 %

Section 10 - Stability and reactivity**Reactivity**

None under normal processing

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

No information available.

Conditions to Avoid

Keep away from open flames, hot surfaces and sources of ignition. Keep away from children.

Incompatible Materials

Water-reactive materials.

Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating gases and vapors. Carbon oxides.

Section 11 - Toxicological Information

Product Information

No acute toxicity information is available for this product.

Inhalation

May cause irritation of respiratory tract.

Eye Contact

Contact with eyes may cause irritation.

Skin Contact

Repeated exposure may cause skin dryness or cracking. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

Ingestion

Not an expected route of exposure. May be harmful if swallowed.

Components	Oral LD50	Dermal LD50	Inhalation LC50
Acetone 67-64-1	= 5800 mg/kg (Rat)	-	= 50100 mg/m ³ (Rat) 8h
Hexane 110-54-3	= 25 g/kg (Rat) = 15000 mg/kg (Rat)	= 3000 mg/kg (Rabbit)	= 48000 ppm (Rat) 4 h
Toluene 108-88-3	= 2600 mg/kg (Rat)	= 12000 mg/kg (Rabbit)	= 12.5 mg/L (Rat) 4 h
3-Methylpentane 96-14-0	= 15000 mg/kg (Rat)	-	-
2-Methylpentane 107-83-5	= 15000 mg/kg (Rat)	-	-
Rosin 8050-09-7	= 7600 mg/kg (Rat)	> 2500 mg/kg (Rabbit)	= 1.5 mg/L (Rat) 4 h

Information on toxicological effects

Specific test data for the substance or mixture is not available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization

May cause sensitization in susceptible persons.

Mutagenic Effects

Specific test data for the substance or mixture is not available.

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Components	ACGIH	IARC	NTP	OSHA
Toluene 108-88-3	-	Group 3	-	-

Reproductive Toxicity

No information available.

STOT - single exposure

Target Organs. Respiratory system. Central nervous system.

STOT - repeated exposure

Causes damage to organs through prolonged or repeated exposure.

Aspiration Hazard

Risk of serious damage to the lungs (by aspiration)

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 8,324.00

ATEmix (dermal) 13,951.00

Section 12 - Ecological information

Ecotoxicity

7.608245488 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Components	Algae/aquatic plants	Toxicity to Fish	Daphnia Magna (Water Flea)
Acetone - 67-64-1	N/A	4.74 - 6.33: 96 h Oncorhynchus mykiss mL/L LC50 6210 - 8120: 96 h Pimephales promelas mg/L LC50 static 8300: 96 h Lepomis macrochirus mg/L LC50	10294 - 17704: 48 h Daphnia magna mg/L EC50 Static 12600 - 12700: 48 h Daphnia magna
Hexane - 110-54-3	N/A	2.1 - 2.98: 96 h Pimephales promelas mg/L LC50 flow-through	N/A
Toluene - 108-88-3	433: 96 h Pseudokirchneriella subcapitata mg/L EC50 12.5: 72 h Pseudokirchneriella subcapitata mg/L EC50 static	15.22 - 19.05: 96 h Pimephales promelas mg/L LC50 flow-through 12.6: 96 h Pimephales promelas mg/L LC50 static 5.89 - 7.81: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 14.1 - 17.16: 96 h Oncorhynchus mykiss mg/L LC50 static 5.8: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 11.0 - 15.0: 96 h Lepomis macrochirus mg/L LC50 static 54: 96h Oryzias latipes mg/L LC50 static 28.2: 96 h Poecilia reticulata mg/L LC50	11.5: 48 h Daphnia magna mg/L EC50 5.46 - 9.83: 48h Daphnia magna mg/L EC50 Static

SAFETY DATA SHEET

		semi-static 50.87 - 70.34: 96 h Poecilia reticulata mg/L LC50 static	
Rosin - 8050-09-7	400: 72 h Desmodemus subspicatus mg/L EC50	N/A	3.8 - 5.4: 48 h Daphnia magna mg/L EC50

Persistence and Degradability

No information available.

Bioaccumulation/Accumulation

No information available.

Components	log Pow
Acetone 67-64-1	-0.24
Toluene 108-88-3	2.65

Other adverse effects

No information available

Section 13 - Disposal considerations

Disposal Methods

This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). Dispose of in accordance with federal, state and local regulations.

Contaminated Packaging

Dispose of in accordance with local regulations. Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

Section 14 - Transport information

DOT	Regulated
UN-No	1133
Proper Shipping Name	Adhesives, (Acetone, hexane, toluene)
Packing Group	III
Transport Label	
IATA	Regulated
IMDG/IMO	Regulated



Engineered Solutions since 1911

SAFETY DATA SHEET

Section 15 - Regulatory information

TSCA 8(b) All components are listed or exempt
DSL All components are listed or exempt

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
 DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Components	Weight-%	SARA 313 - Threshold Values %
Hexane - 110-54-3	17.9667	1.0
Toluene - 108-88-3	14.1492	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard Yes
 Chronic Health Hazard Yes
 Fire Hazard Yes
 Sudden Release of Pressure Hazard No
 Reactive Hazard No

U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

This product contains the following substances which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act:

Components	Weight-%	HAPS data
Hexane - 110-54-3	15-30	
Toluene - 108-88-3	5.0-15	Present
2-Chloro-1,3-butadiene 126-99-8	<0.1%	
Formaldehyde 50-00-0	<0.1%	Present

CWA (Clean Water Act)

See information supplied by the manufacturer

CERCLA

See information supplied by the manufacturer

US State Regulations

California Proposition 65

This product contains (a) Proposition 65 chemical(s)



Engineered Solutions since 1911

SAFETY DATA SHEET

Components	California Proposition 65
Toluene - 108-88-3	Developmental
2-Chloro-1,3-butadiene 126-99-8	Carcinogen
Formaldehyde 50-00-0	Carcinogen

U.S. EPA Label Information

EPA Pesticide Registration Number

No data available

Section 16 - Other information

NFPA	Health Hazard 1	Flammability 3	Instability 0	Physical and Chemical Hazards -
HMIS / WHMIS	Health Hazard 1	Flammability 3	Physical hazards 0	Precautions X

Disclaimer :

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, storage, transportation and release and is not considered a warranty or quality specification. The responsibility for the compliance with existing law and regulations lies with the receiver of the product.