SAFETY DATA SHEET

FOR COATINGS, RESINS, AND RELATED MATERIALS

SECTION I – Chemical Product and Company Identification

Product name:	**XS-1525-W**
Supplier:	C. L. Hauthaway & Sons Corp. 638 Summer Street Lynn, Massachusetts 01905 USA
Product class:	Solvent-based rubber adhesive
Material uses:	Resin used in the production coatings and adhesives
Information Telephone number:	(781) 592-6444
Emergency Telephone number:	(800) 424-9300 Chemtrec (703) 527-3887 Outside the United States

SECTION II – Hazards identification

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of the product:

Flammable Liquids	2	
Skin Corr. /Irrit.	2 Skin	corrosion/irritation
Eye Dam. /Irrit.	2A	Serious eye damage/eye irritation
Reproductive Toxicity	2	
STOT SE	3	Central nervous system
STOT (Inhalation) (Repeated exposure)	2	Nervous system
Aspiration hazard	1	

Label elements

Pictogram:

Signal Word:

Danger

Hazard Statement:

H225 Highly flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H361 Suspected of damaging fertility or the unborn child.
H373 May cause damage to organs (Auditory system, Eyes) through prolonged or repeated exposure if inhaled.

Precautionary Statements (Prevention):
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P260 Do not breathe dust/gas/mist/vapours.
P264 Wash with plenty of water and soap thoroughly after handling.
P281 Use personal protective equipment as required.

Precautionary Statements (Response):
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313 IF exposed or concerned: Get medical advice/attention.
P331 Do NOT induce vomiting.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.
P370 + P378 In case of fire: Use water spray, dry powder, foam or carbon dioxide for extinction.
P391 Collect spillage.

Precautionary Statements (Storage):
P233 Keep container tightly closed.
P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
Precautionary Statements (Disposal):
P501 Dispose of contents/container to hazardous or special waste collection point.

Hazards not otherwise classified:

According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Emergency overview:
Irritating to eyes and skin.
INGESTION MAY CAUSE GASTRIC DISTURBANCES.
A component of this product has been shown to be developmentally toxic in animal studies.
Use with local exhaust ventilation.
Avoid contact with the skin, eyes and clothing.
Wear a NIOSH-certified (or equivalent) organic vapour respirator.
Wear chemical resistant protective gloves.
Wear NIOSH-certified chemical goggles.
Wear protective clothing.
Eye wash fountains and safety showers must be easily accessible.

OSHA/HCS status: This material is considered hazardous by OSHA Hazard Communication Standard 29 CFR 1910.120

Potential health effects:

For Component: Hexane

IARC No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

OSHA No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION III – Composition/Information on Ingredients

Hazardous Components

Components	CAS number	EINECS number	% by Weight
Hexane	110-54-3	203-777-6	80.79

SECTION IV – FIRST AID MEASURES

Eye Contact:
In case of contact, flush eyes with plenty of lukewarm water. Use fingers to ensure that the eyelids are separated and that the eye is being irrigated. Get medical attention if irritation develops.

Skin Contact:
In case of skin contact, wash affected areas with soap and water. Immediately remove contaminated clothing and shoes. Call physician if irritation develops or persists. Thoroughly clean shoes before reuse. Wash contaminated clothing before reuse.

Inhalation:
If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

Ingestion:
If ingested, do not induce vomiting unless directed to do so by medical personnel. Get medical attention.

SECTION V – FIRE FIGHTING MEASURES

Suitable Extinguishing Media:
Use water, foam or dry chemicals.

Special Fire Fighting Procedures:
Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes. Toxic and irritating gases/fumes may be given off during burning or thermal decomposition. Use cold water spray to cool fire-exposed containers to minimize the risk of rupture.

Unusual Fire/Explosion Hazards:
Vapors are heavier than air and may travel a considerable distance to a source of ignition and flashback. Vapors or fumes may foam explosive mixture with air.

Hazardous Thermal Decomposition Products:
In case of fire, may produce hazardous decomposition products such as carbon monoxide, carbon dioxide, (dense) black smoke, aldehydes, organic acids, nitrogen oxides, ammonia, amines.

SECTION VI – ACCIDENTAL RELEASE MEASURES

Spill and Leak Procedures:
Contain spill. If spilled in an enclosed area ventilate. Wear proper personal protective clothing and equipment. Do not flush liquid in public sewer, water systems or surface waters. Recover as much as possible and absorb remainder with inert material. Place into labeled containers and store in safe locations for proper disposal. Wash spilled areas with soap and water.

SECTION VII – HANDLING AND STORAGE

Storage Temperature:

Minimum: 5°C (41°F)
Maximum 40°C (104°F)

Handling:
Avoid eye contact, repeated or prolonged skin contact or inhalation of aerosol, mist or vapors. Wash thoroughly after handling. Use in well ventilated areas.

Storage:
Keep containers closed when not in use. Do not store in open, unlabeled or mislabeled containers. Product is not reactive or degraded by moisture, however protect from moisture contamination for performance purposes.

SECTION VIII – EXPOSURECONTROLS/ PERSONAL PROTECTION

Occupational Exposure Limits

	ACGIH-TWA	ACGIH-STEL	OSHA-TWA	OSHA-STEL
Hexane	50 ppm	N/E	50 ppm	500 ppm

Engineering Controls:
Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Personal Protection

Eyes:
Chemical safety goggles or safety glasses with side-shields. Chemical safety goggles/safety glasses

Skin:
Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory:
Use a properly fitted, air-purifying or air fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and safe working limits of the known respirator.

Hand:

Permeation resistant gloves, Butyl rubber gloves, Nitrile rubber gloves, Neoprene gloves.

Additional Protective Measures:
Employees should wash their hands and face before eating, drinking, or using tobacco products. Educate and train employees in the safe use and handling of this product. Emergency showers and eye wash stations should be available. Store separate from food products.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Appearance:	Paste
Odor:	Hydrocarbon-like
Solubility in Water:	N/A
PH:	N/A
Flash Point:	-7.0° F.
Boiling Range:	145°F.
Evaporation Rate:	Slower than ether
Vapor Density:	Heavier than air
% Volatile by Weight:	83.0 %
Specific Gravity:	0.75
Lb. VOC/Gal. Coating:	5.07
VOC g/l:	607.52

SECTION X – STABILITY AND REACTIVITY

Stability:
This product is stable under normal storage and use conditions.

Hazardous Polymerization:
Will not occur.

Incompatibility:
Strong oxidizing agents, excessive heat.

Hazardous Decomposition Products:
Decomposition of the dry solids may generate irritating vapors, CO2, CO.

SECTION XI – TOXICOLOGICAL INFORMATION

Toxicity Data for XS-1525-W
Toxicity Note:
No data available for this product.

Toxicity Data for Hexane

Acute Oral Toxicity:

LD50 (rat): 16,000 mg/kg

Assessment: The substance or mixture has no acute oral toxicity.

Acute Inhalation Toxicity:

LC50 (rat) : > 31.86 mg/l

Exposure time: 4 h

Test atmosphere: vapor

Assessment: The substance or mixture has no acute inhalation toxicity.

Acute dermal toxicity:

LD50 (rabbit): > 2,000 mg/kg

Assessment: The component/mixture is low toxic after single contact with skin.

Skin Corrosion/Irritation:

Species: rabbit

Result: Irritating to skin.

Result: presumed non-toxic

Serious Eye Damage/Eye Irritation:

Species: rabbit

Result: Irritating to eyes.

Result: presumed non-toxic

Respiratory or Skin Sensitization:

Test Type: lymph node assay

Species: mouse

Result: Did not cause sensitization on laboratory animals.

Remarks: presumed non-toxic.

Germ Cell Mutagenicity:

Genotoxicity in vitro:	Test Type: Ames test Test species: Salmonella typhimurium Metabolic activation: with and without metabolic activation. Result: negative.
Genotoxicity in vivo:	Test type: Dominant lethal assay Test species: mouse (male) Application Route: inhalation (vapour) Exposure time: 6/d, 5/wk for 8 wks Result: negative

Germ cell mutagenicity-
Assessment: Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
Mutagenicity classification is not possible.

Carcinogenicity:

Species: rat
Application Route: inhalation (vapour)
Exposure time: 2 yrs
Frequency of Treatment: 5 days/week
NOAEL: 9,000 ppm

Method: OECD Test Guideline 451
Result: did not display carcinogenic properties
GLP: yes
Remarks: Information given is based on data obtained from similar substances.

Carcinogenicity Assessment: No evidence of carcinogenicity in animal studies.
Carcinogenicity classification is not possible.

Reproductive Toxicity:

Effects on fertility: Species: rat, male
Application Route: inhalation (vapour)
Frequency of Treatment: 6 days/week
General Toxicity-Parent: LOAEL: 5,000 ppm
Symptoms: Testicular effects

Effects on foetal Development: Test Type: fertility/early embryonic development
Species: mouse
Application Route: inhalation (vapour)
Duration of Single Treatment: 12 d
Development Toxicity: LOAEC: 200 ppm

Reproductive toxicity Assessment: Some evidence of adverse effects is not possible.
Teratogenicity classification is not possible.

STOT – single exposure (Hexane)

Exposure routes:	Target Organs:	Assessment:	Remarks:
Inhalation	Central nervous system	May cause drowsiness or dizziness. The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.	

STOT – repeated exposure (Hexane)

Exposure routes:	Target Organs:	Assessment:	Remarks:
Inhalation	Central nervous system	May cause damage to organs through prolonged or repeated exposure. The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.	

Repeated Dose Toxicity:
Species: rat
NOAEL: 568 mg/kg
Application Route: Oral
Exposure time: 120 d
Number of exposures: 5 d/wk

Aspiration Toxicity:
May be fatal if swallowed and enters airways.
No aspiration toxicity classification

Further information (Hexane):
Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Concentrations substantially above the TLV value may cause narcotic effects. Solvents may degrease the skin.

SECTION XII – ECOLOGICAL INFORMATION

Ecological Data for XS-1525-W
Additional Ecotoxicological Remarks:
No data available for this product.

Ecological Data for Hexane

Toxicity to fish:	LC50 (Pimephales promelas (fathead minnow)): 2.5 mg/l. Exposure time: 96 h Test Type: flow-through test
Toxicity to daphnia and Other aquatic invertebrates:	EC50 (Daphnia magna (Water flea)): 2.1 mg/l. Exposure time: 48 h.
Toxicity to algae:	EbL50 (Pseudokirchneriella subcapitata (green algae)): 26 mg/l. End point: Biomass Exposure time: 72 h. Test Type: static test Analytical monitoring: no Method: OECD Test Guidelines 201 GLP: yes
Ecotoxicology Assessment Acute aquatic toxicity:	Toxic to aquatic life.
Chronic aquatic toxicity:	Toxic to aquatic life with long lasting effects.
Toxicity to fish:	Remarks: presumed non-toxic.
Toxicity to daphnia and Other aquatic invertebrates:	Remarks: presumed non-toxic.
Toxicity to algae:	Remarks: presumed non-toxic.

Persistence and Degradability:

Biodegradability:	Aerobic Inoculum: activated sludge Result: Readily biodegradable. Biodegradation: 83% Exposure time: 28 d.

Bioaccumulative potential:

Partition coefficient: n-octanol/water:	log Pow: 3.90 – 4.11

Mobility in soil:

No data available

Other adverse effects:

No data available

Product (Hexane):

Regulation	40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone – CAA Section 602 Class I Substances
Remarks:	This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).
Additional ecological Information:	An environment hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life with long lasting effects.

SECTION XIII – DISPOSAL CONSIDERATIONS

Waste Disposal Method:
Dispose of in accordance with Federal, State and Local regulations.

SECTION XIV – TRANSPORTATION INFORMATION

Land transport (DOT):

UN Number:	1133
UN Packing Group:	II
UN Class:	III
DOT Hazard Class:	Flammable Liquid

Sea transport (IMDG):

UN Number:	1133
UN Packing Group:	II
UN Class:	III

Air transport (ICAO/IATA):

UN Number:	1133
UN Packing Group:	II
UN Class:	III

SECTION XV – REGULATORY INFORMATION

SARA Title III Section 313:
This product contains the following substance(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (40 CFR 372).

Hexane	80.79 %

SARA Title III 312 Hazard Category (40 CFR 311/312):

Acute Health:	Yes	Release of Pressure:	No
Chronic Health:	No	Reactive:	No
Fire:	Yes		

US Federal Regulations (TSCA):

This product is listed on the U.S. Toxic Substance Control Act inventory of chemicals or is otherwise compliant with TSCA regulations.

SECTION XVI – OTHER INFORMATION

HMIS Rating:

Health:	2
Flammability:	3
Reactivity:	0
PPE:	B

Date of Printing: 5-11-22

Contact person: EHS Department

Telephone: (781) 592-6444

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