

SAFETY DATA SHEET

NORMAC ADHESIVE PRODUCTS INC.

900E-Ultra

Section 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Products Name: Normac 900E-Ultra
Chemical Family: Synthetic elastomers, resins and solvents.
Chemical Name: Polychloroprene solvent adhesive
Applications: Rubber Adhesive

Supplier's Name: Normac Adhesive Products Inc.
 1350 Heine Court
 Burlington, Ontario, Canada, L7L 6M4
 Tel: (905) 332-6455 Fax: (905) 332-6880

Prepared by: Regulatory Affairs Group of Normac Adhesive Products Inc.
Preparation Date of SDS: October 27, 2015
24 Hour Emergency Telephone Number (Canutec): (613) 996-6666

Section 2 – HAZARD(S) IDENTIFICATION

WHMIS Hazardous Class: B2 FLAMMABLE LIQUIDS
 D2B TOXIC MATERIALS

NFPA RATINGS: HEALTH 2; FLAMMABILITY 3; INSTABILITY: 0
HMIS RATINGS: HEALTH 2; FLAMMABILITY 3; INSTABILITY: 0

Signal word: **DANGER**

Hazard Statements	Category
H225 Skin Irritation	2
H226 Flammable liquid and vapour	2
H302 Harmful if swallowed	3
H304 Aspiration Hazard	2
H315 Skin Irritation	2
H320 Eye Irritation	2A
H336 Specific Target Organ Toxicity, Single Exposure	3
H337 May cause damage to organs through prolonged or repeated ingestion	3
H361 Reproductive Toxicity	2
H373 Specific Target Organ Toxicity, Repeated Exposure	2
H401 Acute Aquatic Toxicity	2
H411 Toxic to aquatic life with long lasting effects	2

Precautionary prevention statements:

P210 Keep away from heat/sparks/open flame, hot surfaces - no smoking.
 P264 Wash exposed skin thoroughly after handling.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary response statements

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

SDS 900E-Ultra Rev. 3

P301, P330, P381 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P304, P340 IF INHALED: Remove victim to fresh air, rest in a position comfortable for breathing.
P305, P351, P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing as needed.
P363 Wash contaminated clothing before reuse.

Precautionary storage statements

P403, P404 Store in a well ventilated area. Store in a closed container.

Precautionary disposal statement:

P501 Dispose of contents / container in accordance with local / national / international regulations.

GHS Labeling

Pictograms



GHS Precautionary Statements for Labeling

P261 P271 Avoid breathing vapour. Use only in a well ventilated area.
P262 P264 Do not get in eyes, on skin or on clothing. Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear eye protection, protective gloves and clothing of butyl or "Viton".
P273 P391 Avoid release to the environment. Collect spillage.

Section 3- COMPOSITION / INFORMATION ON INGREDIENTS

	Cas No.	Percentage (W/W)	LD50 and LC50 Route & Species	
Ethyl Acetate	141-78-6	25 – 45*	400 ppm TLV	400 ppm TWA
Naptha	64742-89-8	10 – 20*	300 ppm TLV	N.A.
Toluene	108-88-3	25 – 45*	100 ppm TLV	300 ppm TWA

**Exact percentages are withheld as a trade secret however the health and environmental hazard effects stated in this SDS describe the effects of the highest concentration of each ingredient; in compliance with (ST/SG/AC.10/30/Rev.6) and (29 CFR 1910.1200).*

Section 4 - FIRST AID MEASURES

Eye Contact:

Flush eyes immediately with water for at least 20 minutes. Hold eyelids open during flushing. If irritation persists, repeat flushing. Obtain medical attention immediately.

Skin Contact:

Flush skin in running water or shower for a minimum of 20 minutes, start flushing while removing clothing. If irritation persists, repeat flushing. If irritation, redness, or a burning sensation develops and persists, obtain medical attention. Prolonged or repeated exposure may cause skin irritation and lead to dermatitis. Repeated contact may cause drying, flaking, and cracking of skin.

SDS 900E-Ultra Rev. 3

Inhalation: Move victim to fresh air. Give artificial respiration ONLY if breathing has stopped. Give cardiopulmonary resuscitation (CPR) if there is no breathing AND no pulse. Obtain medical attention immediately. Toxic! Product is irritating to the nose, throat and respiratory tract. May cause cardiac arrhythmia, nausea and vomiting, headache, dizziness, loss of coordination, central nervous system (CNS) depression, liver and kidney damage. High vapour concentration may cause irregular heartbeat, numbness, double vision, reduced eyesight, blurred vision, unconsciousness and death. Minimal anaesthetic or narcotic effects may be seen in the range of 500-1000 ppm. Higher levels may cause dizziness and sensation of drunkenness.

Ingestion: Seek immediate medical attention. Do NOT Induce vomiting. If victim is alert and not convulsing, rinse mouth out and give ½ to 1 glass of water to dilute material. IMMEDIATELY contact local Poison Control Centre. Vomiting should only be induced under the direction of a physician or Poison Control Centre. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomitus, rinse mouth and administer more water. IMMEDIATELY transport victim to an Emergency facility. Toxic! This product causes irritation, a burning sensation of the mouth and throat and abdominal pain. Ingestion of very high levels may cause central nervous system (CNS) depression, liver damage and kidney damage.

Note to Physicians: Because rapid absorption may occur through lungs if aspirated and cause systemic effects, the decision of whether to induce vomiting or not should be made by a physician. If lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. Only administer adrenaline after careful consideration following overexposure. Increased sensitivity of the heart to adrenaline may be caused by overexposure to this product. This product contains materials that may cause severe pneumonitis if aspirated. Treatment based on sound judgment of physician and individual reactions of patient. Medical conditions that may be aggravated by exposure to this product include neurological and cardiovascular disorders, diseases of the skin, eyes or respiratory tract, preexisting liver and kidney disorders.

Section 5 – FIRE FIGHTING MEASURES

Flash Point: -4°C to -20°C
Flash Point Method: (Closed cup)
Auto Ignition Temp: 245°C To 485°C
Flammable Limits in air (%): Lower: 1.3% Upper: 11.5%
Extinguishing Media: Use DRY Chemicals. CO2. alcohol foam or water spray. This material may produce a floating fire hazard in extreme fire conditions.

Special Exposure Hazards: Flammable Liquid. Isolate and restrict area access. Stop leak only if safe to do so. Move containers from fire area if you can do so without risk. Fight fire from a safe distance and from a protected location. Use fine water spray or fog to control fire spread and cool adjacent structures or containers. This material may produce a floating fire hazard in extreme fire conditions. Vapours are heavier

SDS 900E-Ultra Rev. 3

**Hazardous Decomposition/
Combustion Materials:**

than air and may accumulate in low areas. Vapours may travel along the ground to be ignited at distant locations. Do not allow runoff to enter waterways or sewer.

A Complex mixture of airborne solids, liquids, gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.

Special Protective Equipment:

Wear protective clothing and self-contained breathing apparatus. For small outdoor fires, which may easily be extinguished with a portable fire extinguisher, use of an SCBA is optional.

NFPA RATINGS:

HEALTH 1; FLAMMABILITY 3; INSTABILITY: 0

HMIS RATINGS:

HEALTH 1; FLAMMABILITY 3; INSTABILITY: 0

Section 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautionary Measures: Wear appropriate protective equipment.

Environmental Precautionary Measures: Prevent entry into sewers or streams, dike if needed.

Prevent contamination of soil. Consult Local authorities.

Procedure for Clean Up:

Immediately evacuate the area. Isolate hazard area and restrict access. Prevent contamination of waterways. Absorb with an inert dry material and place in an appropriate waste disposal container. Large spills, dike and pump into suitable containers. Clean up all residual with absorbent material. Place in appropriate container. Notify applicable government authority if release is reportable or could adversely affect the environment. Ventilate the area thoroughly.

Section 7 – HANDLING AND STORAGE

Handling:

Flammable. For Industrial Use Only. Handle and open containers with care. Avoid contact with eyes, skin and clothing. Do not ingest. Avoid inhalation of chemical. DO NOT handle or store near an open flame, heat, or other sources of ignition. Fixed equipment as well as transfer containers and equipment should be grounded to prevent accumulation of static charge. DO NOT pressurize, cut, heat or weld containers. Empty containers may contain hazardous product residues. Keep the containers closed when not in use. Protect against physical damage. Use appropriate personal protective equipment. Electrostatic charges may be generated during pumping. Electrostatic discharge may cause fire. Ensure electrical continuity by bonding and grounding (earthing) all equipment. Restrict line velocity during pumping in order to avoid generation of electrostatic discharge (≥ 10 m/sec). Avoid splash filling. Do NOT use compressed air for filling, discharging, or handling operations. Extinguish any naked flames.

Storage:

Store in a cool, dry, well ventilated area, away from heat and ignition sources. Keep containers tightly closed. Store out of direct sunlight and on an impermeable floor.

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Local exhaust ventilation as required to maintain exposure to within applicable limits. Use explosion proof equipment. Make up air should be supplied to balance air that is removed by local or general exhaust ventilation. Ventilate low lying areas such as sumps or pits where dense vapours may collect.

Respiratory Protection: If exposure exceeds occupational exposure limits, use an appropriate NIOSH approved respirator. In case of spill or leak resulting in unknown concentration, use a NIOSH approved supplied air respirator.

Gloves: Impervious gloves. Butyl rubber gloves. Silver Shield(R). 4H(R).

Skin Protection: Skin contact should be prevented through the use of suitable protective clothing, gloves and footwear, selected for conditions of use and exposure potential. Consideration must be given both to durability as well as permeation resistance.

Eyes: Chemical goggles; also wear a face shield if splashing hazard exists.

Other Personal Protective Data: Ensure that eyewash stations and safety showers are proximal to the work station location.

Ingredients	Exposure Limit	Exposure Limit	Immediately Dangerous to or Health – IDLH
	ACGIH Life	OHSA	
Ethyl Acetate	=400 ppm TWA	400 ppm TWA	2,000 ppm
Naptha	=100 ppm STEL	300 ppm TWA	Not available
Toluene	= 50 ppm STEL	100 ppm TWA	500 ppm

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid.

Colour: Clear

Odour: Fruity

Specific Gravity: 0.9 (water = 1)

Boiling Point: 78 to 81°C

Melting/Freezing Point: Not available

% Volatility: Not available

Vapour Pressure: 10.33 kPa (77.5 mm Hg.) @ 20°C

Vapour Density: 2.41 (Air = 1.0)

Viscosity: Not Available

VOCs: 50 - 85%

Odour threshold: Not available

Solubility: Partially soluble in water.

Evaporation Rate: > 4.1

Section 10 – STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: High temperatures, sparks, open flames and all sources of ignition.

Materials to Avoid: Oxidizing agents. Strong bases. Strong alkalis. Reducing agents. Amines, ammonia, aldehydes. Halogens, Hydrogen peroxide.

Hazardous decomposition Products: Peroxides.

Section 11 – TOXICOLOGICAL INFORMATION

Principle Routes of Exposure:

Ingestion: Harmful if swallowed. May cause irritation of the mouth, throat and esophagus. Product has laxative properties and may result in abdominal cramps and diarrhea.

Skin Contact: Repeated or prolonged contact may cause defatting and drying of the skin which may result in skin irritation and dermatitis.

Inhalation: High concentrations may cause drowsiness and irritation of the eyes or respiratory tract. Excessive inhalation causes headache, dizziness, nausea and incoordination.

Eye Contact: High vapour concentration will cause eye irritation.

Acute Test of Product:	Ethyl Acetate	Naptha	Toluene
Acute Oral LD50:	5,600 mg/kg (Rat)	5,000 mb/kg (Rat).	Not available
Acute Dermal LD50:	> 20 mL/kg. (Rabbit)	Not available.	Not available
Acute Inhalation LC50:	16,000 ppm (Rat – 6 hr.)	18,000 ppm (Rat – 4 hr.)	Not available

Carcinogenicity:	IARC – Not listed.	Group 2B	Group 3
	ACGIH – Not listed.	Listed	Listed

Carcinogenicity Comment: **Naptha:** may contain 0.1 to 1% ethylbenzene – IARC class Group 2B.
No additional information available

**Reproductive Toxicity/
Terratogenicity/Embryotoxicity/
Mutagenicity:** Not available.

Section 12 - ECOLOGICAL INFORMATION

Ecotoxicological Information:	Ecotoxicity – Fish Species Data	Ecotoxicity Freshwater Algae
Ethyl Acetate:	LC50 (Pimephales promelas) 230 mg/L 3,300 mg/L LC50 (Oncorhynchus mykiss) 484 mg/L	EC50 (Scenedesmus subspicatus)
Naptha:	No Data	No Data
Toluene:	LC50 (Pimephales promelas) 25 mg/L LC50 (Oncorhynchus mykiss) 24 mg/L	EC50 (Selenastrum capricornutum) 433 mg/L
Polychloroprene:	Not available	Not available.
Resin, polymer with phenol:	Not available	Not available.

Other Information: No other remarks.

Section 13 – DISPOSAL CONSIDERATIONS

Disposal of Waste Method: Disposal of all wastes must be done in accordance with local, state/provincial and federal regulations.
Contaminated Packaging: Empty containers should be recycled or disposed of through an approved waste management facility.

Section 14 – TRANSPORT INFORMATION

Proper Shipping Name: Adhesive (Containing Flammable Liquid)
TDG (IATA and IMO): Cl. 3 UN 1133 PG. II
Hazard Label / Placards: FLAMMABLE

Section 15 – REGULATORY INFORMATION

U.S. TSCA Inventory Status: All compounds of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt.

Canadian DSL Inventory Status: All compounds of this product are either on the Domestic Substances List (DSL); the Non- Domestic Substances List (NDSL) or exempt.

Note: Not available.

<u>US Regulatory Rules</u>	CECLA/SARA Section 302:	SARA (311, 312) Hazard Class:	CERCLA/SARA Section 313:
----------------------------	------------------------------------	--	-------------------------------------

900E-ULTRA Components:	Not Listed	Listed	Not Listed
-------------------------------	------------	--------	------------

California Proposition 65: Not Listed.

MA Right to Know List: Listed.

New Jersey Right-to-know List: Listed.

Pennsylvania Right to Know List: Listed.

WHMIS Hazardous Class: B2 FLAMMABLE LIQUIDS
D2B TOXIC MATERIALS

NFPA RATINGS: HEALTH 2; FLAMMABILITY 3; INSTABILITY: 0

HMIS RATINGS: HEALTH 2; FLAMMABILITY 3; INSTABILITY: 0

Section 16 – OTHER INFORMATION

All employees or contractors etc. who use this product must have access to this Safety Data Sheet.

This information is furnished without warranty, representation, inducement or licence of any kind, except that it is accurate to the best of Normac Adhesive Products Inc. knowledge or is obtained from sources believed by Normac Adhesive Products Inc. to be accurate. Normac Adhesive Products Inc. makes no representations and assumes no liability for any direct, incidental or consequential damages resulting

SDS 900E-Ultra Rev. 3

from its use or reliance on same. Customers are encouraged to conduct their own tests.

DATE OF ISSUE: Oct. 27, 2015
HISTORY REVISION: SDS updated to comply with GHS regulations.
Replaces MSDS dated Dec 01, 2014.
PREPARED BY: Regulatory Affairs Group

*****END OF SDS*****

SDS Code: 900E-Ultra - 3