
SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION:

Product name: NUFLEX® 640 THERMOPLASTIC SEALANT
Recommended use: Thermoplastic Sealant
Restrictions on use: No further information available
Manufacturer: NUCO INC.
150 Curtis Drive
Guelph, Ontario N1K 1N5
Tel: (519)-823-4994
Fax: (519)-823-1099

Emergency telephone: Infotrac 24 Hour Emergency Tel: (800)-535-5053

SECTION 2 – HAZARDS IDENTIFICATION:

GHS Classification:

Flammable liquids	–	Category 3
Skin irritation	–	Category 2
Acute toxicity (Dermal)	–	Category 4
Acute toxicity (Inhalation)	–	Category 4
Acute toxicity (Oral)	–	Category 4
Specific Target Organ Toxicity- Single Exposure (Inhalation)	–	Category 3

GHS Label elements:

Hazard symbols:



Signal word:

Warning

Hazard statements:

Flammable liquid and vapor
Harmful if swallowed
Harmful in contact with skin
Causes skin irritation
Harmful if inhaled
May cause respiratory irritation
May cause drowsiness or dizziness

Precautionary statements:

Prevention:

Keep away from heat/sparks/open flames/hot surface. No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Wash hands and other skin areas thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.

Response :

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
If on skin: Wash with plenty of soap and water. Call a poison center/doctor if you feel unwell.

If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth.
If skin irritation occurs: Get medical advice/attention.
Specific treatment: Seek immediate medical advice. Refer to product label and Section 4 of this SDS.
Take off contaminated clothing and wash it before reuse.
In case of fire: Use dry chemical/water fog/foam to extinguish.

Storage: Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up.

Disposal: Dispose of contents and container in accordance with applicable local, regional, national and international regulations.

Other hazards: None known.

Supplemental information: No further information available.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS:

Substance/Mixture : Mixture

Chemical Name	CAS No.	Concentration (%)
Xylene	1330-20-7	30.0 – 40.0
Limestone	1317-65-3	<1.0
Crystalline Silica-Quartz	14808-60-7	<1.0
Petroleum Hydrocarbon Resin	68132-00-3	5.0 – 10.0
<u>Pigmented sealants may contain:</u>		
Carbon Black	1333-86-4	<1.0

**Xylene is known to contain 18-20% by weight Ethylbenzene (CAS# 100-41-4).*

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to the health or the environment and hence require reporting in this section.

SECTION 4 - FIRST AID MEASURES:

Eye contact: Check for and remove any contact lenses. Immediately flush eyes with copious quantities of lukewarm water for at least 15 minutes. Do not attempt to physically remove the solids or gums from the eye. Seek medical attention immediately if irritation persists.

Skin contact: Remove contaminated clothing. Wash thoroughly with warm water and non-abrasive soap. Seek medical attention if you feel ill or a reaction develops.

Inhalation: Remove to fresh air. If breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention immediately.

Ingestion: Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Most important symptoms/effects, acute and delayed: None known.

Indication of immediate medical attention and special treatment needed: Provide general supportive measures and treat symptomatically.

SECTION 5 - FIRE FIGHTING MEASURES:

Flammable Conditions:	Avoid direct sources of heat or ignition in uncured state. Solvent vapors are heavier than air and may travel along the ground and be ignited by sources distant from handling points.
Suitable extinguishing media:	Carbon dioxide, dry chemical, water fog or foam. Water can be used to cool fire exposed containers to prevent pressure build-up and possible explosion.
Unsuitable extinguishing media:	None known.
Specific hazards arising from the chemical:	Hazardous decomposition products such as carbon oxides and traces of incompletely burned carbon products may present.
Special protective equipment and precautions for fire fighters:	Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan.

SECTION 6 – ACCIDENTAL RELEASE MEASURES:

Personal precautions, protective equipment and emergency procedures:	Follow safe handling advice and personal protective equipment recommendations in Section 8.
Environment precautions:	Discharged into the environment must be avoided. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up:	Restrict access to the area of the spill. Provide ventilation and protective clothing. Scrape up caulk (use spark-proof tools and explosion-proof equipment) and place in container for disposal. Cleaning may require steam or detergents. Dispose of saturated absorbant or cleaning materials appropriately, since spontaneous heating may occur. Local, state, provincial, federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup.

SECTION 7 – HANDLING AND STORAGE:

Precautions for safe handling:	Handle in accordance with good industrial hygiene and safety practice. Take care to prevent spills, waste and minimize release to the environment. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
Conditions for safe storage, including any incompatibilities:	Store in an adequately ventilated area under dry conditions between 50°F (10°C) to 77°F (25°C) and keep container tightly sealed when not in use. Use only in well ventilated area. Containers may retain product residues and vapors. Store large quantities in buildings designed and protected for storage of NFPA Class 1-B flammable materials. Eliminate all ignition sources. Separate from oxidizing materials.

SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION:**Control Parameters:**

Ingredient name	Exposure limits
Xylene	OSHA PEL: PEL: 100 ppm STEL: not established ACGIH TLV: TWA: 100 ppm STEL: 150 ppm

Limestone	<p>OSHA PEL: PEL: 10 mg/m³, total dust STEL: not available</p> <p>ACGIH TLV: TWA: not available STEL: not available</p>
Crystalline Silica-Quartz	<p>OSHA PEL: PEL: 0.0256 mg/m³, respirable fraction STEL: not available</p> <p>ACGIH TLV: TWA: not available STEL: not available</p>
Petroleum Hydrocarbon Resin	<p>OSHA PEL: PEL: 15 mg/m³, total dust STEL: 5 mg/m³, respirable fraction</p> <p>ACGIH TLV: TWA: 10 mg/m³, inhalable particulate STEL: 3 mg/m³, respirable particulate</p>
Carbon Black	<p>OSHA PEL: PEL: 3.5 mg/m³ STEL: not available</p> <p>ACGIH TLV: TWA: not available STEL: not available</p>

Engineering controls: Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations. Wear an organic vapor NIOSH / MSHA approved respirator unless local exhaust ventilation is provided or exposures are within guidelines. In indoor applications, passive ventilation (opening of doors and windows) is recommended. Local exhaust as necessary to keep exposure levels within guidelines.

Personal protective equipment: Safety glasses with side-protection, impermeable gloves (e.g., neoprene, nitrile, silver shield (R)), coveralls or apron are important in preventing contamination of eyes, skin and clothing. Wash thoroughly after handling. Ensure that eyewash stations and safety showers are close to the workstation location.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES:

Appearance:	Paste, various colors
Odor:	Mild solvent odor
Odor threshold:	1 – 20 ppm
pH (ASTM D1293):	Not available
Melting point/Freezing point:	Not available
Initial boiling point and boiling range:	282.2°F (139°C)
Flash Point:	Closed cup 78.8°F (26°C)
Evaporation rate:	0.86 (n-butyl acetate = 1)
Flammability (solid, gas):	Not determined
Upper explosion limit:	Not available
Lower explosion limit:	Not available
Vapor pressure:	2.5 kPa
Vapor density:	3.66 (Air =1)
Specific gravity:	1.05 g/ml (10.5 lbs/gal)
Solubility:	Insoluble in water
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	932°F (500°C)
Decomposition temperature:	Not available
Viscosity:	Not applicable
Volatility:	30% by weight

Volatile Organic Content: 275 g/L

SECTION 10 – STABILITY AND REACTIVITY:

Reactivity: No hazardous reactions if stored and handled as indicated.

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: Will not occur under normal conditions of storage and use.

Conditions to avoid: Avoid all possible sources of ignition (spark or flame).
Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

Incompatible materials: Incompatible with oxidizing materials.

Hazardous decomposition products: When burning may cause formation of toxic chemicals: oxides of carbon (CO, CO₂).

SECTION 11 - TOXICOLOGICAL INFORMATION:

Information on the likely routes of exposure:

Inhalation: Irritating to respiratory system.
Ingestion: Harmful if swallowed.
Skin contact: Causes skin irritation.
Eye contact: May cause eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics: Prolonged and repeated skin contact may cause dermatitis or aggravate pre-existing skin disorders. Inhalation of high vapor concentration or ingestion may cause headache, vomiting, dizziness, nausea and central nervous system depression.

Acute toxicity: No test data found for the product.

Chronic toxicity: No test data found for the product.

Skin and eye corrosion/irritation: No data available.

Serious eye damage/irritation: No data available.

Aspiration hazard: No data available

Specific target organ toxicity – single exposure: No data available

Specific target organ toxicity – repeated exposure: No data available

Respiratory or skin sensitization: High vapor concentrations can cause headaches, dizziness, drowsiness and nausea and may lead to unconsciousness.

Carcinogenicity: This product does not contain any substances that are considered by OSHA, NTP, IARC or ACGIH to be suspected human carcinogens.

Reproductive toxicity: No data available.

Teratogenicity: No known applicable information.

Germ-cell mutagenicity: No known applicable information.

SECTION 12 – ECOLOGICAL INFORMATION:

Ecotoxicity: Complete information is not yet available.

Persistence and degradability: Complete information is not yet available.

Bioaccumulative potential: Complete information is not yet available.

Mobility in soil: Complete information is not yet available.

Other adverse effects: No data available.

SECTION 13 – DISPOSAL CONSIDERATIONS:

Waste disposal: Dispose of in accordance with Federal, State / Provincial and local regulations. Do not discharge into drains/surface waters/ground water. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container.

SECTION 14 - TRANSPORT INFORMATION:**Shipping information:**

Proper shipping name: Adhesives containing flammable liquids
UN number: 133
Class or Division: 3
Sub risk: Not applicable
Packing group: II
Environmental hazard: No

Note: With an inner packaging <1.0 L, may be renamed "Limited Quantity".

SECTION 15 - REGULATORY INFORMATION:**U.S. Federal Regulations:****Occupational Safety & Health Administration (OSHA) 29CFR 1910.1200 Hazard Category:**

Irritant – Skin and eyes
Flammable
Target organ effects reported

Superfund Amendments and Reauthorization Act (SARA) Title III information: None

SARA 311/312 Hazards Identification:

Fire Hazard: Yes
Immediate (acute) Health Hazard: Yes
Delayed (chronic) Health Hazard: Yes
Pressure Hazard: No
Reactivity Hazard: No

SARA 313: This product contains the following toxic chemical(s) subject to reporting requirements of SARA (EPCRA) Section 313 (40 CFR 372):

Xylene (CAS# 1330-20-7): 10 – 30%
Ethylbenzene (CAS# 100-41-4): 0.5 – 1.0%

U.S. State Regulations:

State Substance List: This product contains a listed substance(s) that appears on one or more of the Substance Lists for Pennsylvania, Massachusetts and New Jersey:

Xylene (CAS# 1330-20-7).

California Proposition 65: This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm:

Ethylbenzene (CAS# 100-41-4): 0.5 – 1.0%

The ingredients of this product are reported in the following inventories:

TSCA: All components of this product are listed or exempted from listing on the TSCA inventory of Chemical Substances.

DSL: All chemical substances in this product comply with the CEPA 1999 and NSNR and are on or exempted from listing on the Canadian Domestic Substances List (DSL).

NFPA Profile: Health 2, Flammability 3, Reactivity 0

SECTION 16 - OTHER INFORMATION:

Prepared by: Technical Services Department
Revision date: February 4, 2016

The information herein is given in good faith, but no warranty, express or implied, is made. Product users should make independent judgements of the suitability of this information to ensure proper use and to protect the health and safety of employees.

Form: SDSNUFLEX640THERMOPLASTICSEALANT-CLEAR Rev.: 1 Date: 02/16