
SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION:

Product name: NUFLEX® 630 TRIPOLYMER SEALANT
Recommended use: Caulking compound
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:

Skin corrosion/irritation	–	Category 2
Eye damage/irritation	–	Category 2B
Carcinogenicity	–	Category 1B
Specific Target Organ Toxicity- Single Exposure (Respiratory tract irritation and Narcotic effects)	–	Category 3
Specific Target Organ Toxicity- Repeated Exposure	–	Category 2
Aspiration hazard	–	Category 1

GHS Label elements:

Hazard symbols:



Signal word:

Danger

Hazard statements:

May be fatal if swallowed and enters airways
Causes skin irritation
Causes eye irritation
May cause respiratory irritation
May cause drowsiness or dizziness
May cause cancer
May cause damage to organs through prolonged or repeated exposure

Precautionary statements:

Prevention:

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Avoid breathing dust/fume/gas/mist/vapors/spray
Wash hands and other skin areas thoroughly after handling
Use only outdoors or in a well-ventilated area
Wear protective gloves/protective clothing/eye protection/face protection.

Response :

If on skin: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
If exposed or concerned: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
If inhaled: remove person to fresh air and keep comfortable for breathing.
If swallowed: Immediately call a poison center/doctor/physician.

Call a poison center/doctor if you feel unwell.
Do NOT induce vomiting
Take off contaminated clothing and wash it before reuse.

Storage: Store in a well-ventilated place. Keep container tightly closed.
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: 42.3% of the mixture consists of component(s) of unknown toxicity.
Delayed effects from long term exposure. Contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS:

Substance/Mixture : Mixture

Chemical Name	CAS No.	Concentration (%)
Tetrachloroethylene	127-18-4	40.0 – 50.0
Styrene-Hydrocarbon Copolymer	9011-11-4	8.0 – 15.0
Styrene-Butadiene Polymer	66070-58-4	1.0 – 5.0
1,2,4-Trimethylbenzene	95-63-6	1.0 – 3.0
Light Aromatic Hydrocarbons	64742-95-6	1.0 – 2.0
Cumene	98-82-8	0.1 – 0.3

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: Flush with copious quantities of lukewarm water for at least 15 minutes. Check for and remove any contact lenses. 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 and provide water. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. Seek medical attention if you feel ill or a reaction develops.

Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.

Most important symptoms/effects, acute and delayed: Causes skin and serious eye irritation. Can cause central nervous system depression. May cause respiratory irritation. Serious effects may be delayed following exposure. Irritating to mouth, throat and stomach. May be fatal if swallowed and enters airways.

Indication of immediate medical attention and special treatment needed: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. No specific treatment.
Provide general supportive measures and treat symptomatically.

SECTION 5 - FIRE FIGHTING MEASURES:

Suitable extinguishing media:	Carbon dioxide, dry chemical, water fog or foam. Water can be used to cool fire exposed containers.
Unsuitable extinguishing media:	None known.
Specific hazards arising from the chemical:	In a fire or if heated, a pressure increase will occur and the container may burst. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous thermal decomposition products:	Decomposition products may include the following materials: carbon dioxide, carbon monoxide, halogenated compounds, carbonyl halides, metal oxide/oxides.
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, NIOSH/MSHS approved respirator and protective clothing. Scrape up caulk 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.

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

Ingredient name	Exposure limits
Tetrachloroethylene	ACGIH TLV (United States, 4/2014): TWA: 25 ppm, 8 hrs.; 170 mg/m ³ , 8 hrs. STEL: 100 ppm, 15 minutes; 685 mg/m ³ , 15 minutes OSHA PEL Z2 (United States, 2/2013): TWA: 100 ppm, 8 hrs. CEIL: 200 ppm AMP: 300 ppm, 5 minutes

1,2,4-Trimethylbenzene

ACGIH TLV (United States, 4/2014):
TWA: 25 ppm, 8 hrs.; 123 mg/m³, 8 hrs.
NIOSH REL (United States, 10/2013):
TWA: 25 ppm, 10 hrs.; 125 mg/m³, 10 hrs.

Cumene

ACGIH TLV (United States, 4/2014):
TWA: 50 ppm, 8 hrs.
NIOSH REL (United States, 10/2013):
Absorbed through skin.
TWA: 50 ppm, 10 hrs.; 245 mg/m³, 10 hrs.
OSHA PEL (United States, 2/2013):
Absorbed through skin.
TWA: 50 ppm, 8 hrs.; 245 mg/m³, 8 hrs.

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
Odor:	Solvent odor, thixotropic sealant
Odor threshold:	Not available
pH (ASTM D1293):	Not available
Melting point/Freezing point:	Not available
Initial boiling point and boiling range:	249.8°F (121°C)
Flash Point:	Closed cup: >199.9°F (>93.3°C)
Evaporation rate:	2.59 (n-butyl acetate = 1)
Flammability (solid, gas):	Not available
Upper explosion limit:	7%
Lower explosion limit:	0.7%
Vapor pressure:	0.32 kPa (2.399 mm Hg) @20°C
Vapor density:	4.1 (Air =1)
Specific gravity:	1.2
Solubility:	Not available
Partition coefficient: n-octanol/water:	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Kinematic (room temperature): <0.205 cm ² /s (<20.5 cSt)
Volatility:	Not available
Volatile Organic Content:	Not available

SECTION 10 – STABILITY AND REACTIVITY:

Reactivity:	No specific test data related to reactivity available for this product.
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	Will not occur under normal conditions of storage and use.
Conditions to avoid:	No specific data.
Incompatible materials:	No specific data.
Hazardous decomposition products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 - TOXICOLOGICAL INFORMATION:**Information on the likely routes of exposure:**

Inhalation:	Can cause central nervous system depression. May cause drowsiness and dizziness. Exposure to decomposition products may cause health hazard.
Ingestion:	May be fatal if swallowed and enters airways.
Skin contact:	Causes skin irritation.
Eye contact:	Causes serious eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics:	Eye contact: pain or irritation, watering, redness. Skin contact: irritation, redness. Inhalation: respiratory tract irritation, coughing, nausea or vomiting, headache, drowsiness/fatigue, dizziness/vertigo, unconsciousness.
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Acute toxicity:

Ingredient name	Result	Species	Dose	Exposure
Tetrachloroethylene	LD50 Oral	Rat	2,629 mg/kg	----
1,2,4-Trimethylbenzene	LC50 Inhalation vapor LD50 Oral	Rat Rat	18,000 mg/m3 5 g/kg	4 hours ----
Light Aromatic Hydrocarbons	LD50 Oral	Rat	8,400 mg/kg	----
Cumene	LC50 Inhalation vapor LD50 Oral	Rat Rat	39,000 mg/m3 1,400 mg/kg	4 hours ----

Corrosion/irritation:

Ingredient name	Result	Species	Exposure	Observation
Tetrachloroethylene	Eyes – Mild irritant Skin – Mild irritant	Rabbit Rabbit	24 hrs. 500 mg 24 hrs. 500 mg	----- -----
Light Aromatic Hydrocarbons	Skin – Severe irritant Eyes – Mild irritant	Rabbit Rabbit	24 hrs. 810 mg 24 hrs. 100 microliters	----- -----
Cumene	Eyes – Mild irritant Skin – Mild irritant Skin – Moderate irritant	Rabbit Rabbit Rabbit	24 hrs. 500 mg 24 hrs. 10 mg 24 hrs. 100 mg	----- ----- -----

Aspiration hazard:

Ingredient name	Result
Styrene-Hydrocarbon Copolymer	Aspiration Hazard – Category 1
Styrene-Butadiene Polymer	Aspiration Hazard – Category 1
1,2,4-Trimethylbenzene	Aspiration Hazard – Category 1
Light Aromatic Hydrocarbons	Aspiration Hazard – Category 1
Cumene	Aspiration Hazard – Category 1

Specific target organ toxicity - single exposure:

Ingredient name	Category	Route of exposure	Target organs
Tetrachloroethylene	Category 3	Not applicable	Respiratory tract irritation and Narcotic effects
1,2,4-Trimethylbenzene	Category 3	Not applicable	Respiratory tract irritation and Narcotic effects
Light Aromatic Hydrocarbons	Category 3	Not applicable	Respiratory tract irritation and Narcotic effects
Cumene	Category 3	Not applicable	Respiratory tract irritation and Narcotic effects

Specific target organ toxicity – repeated exposure:

Ingredient name	Category	Route of exposure	Target organs
Tetrachloroethylene	Category 2	Not determined	Not determined
1,2,4-Trimethylbenzene	Category 2	Not determined	Not determined
Light Aromatic Hydrocarbons	Category 2	Not determined	Not determined
Cumene	Category 2	Not determined	Not determined

Respiratory or skin sensitization: Not available.

Carcinogenicity:

Ingredient name	IARC	OSHA	NTP
Tetrachloroethylene	2A	Not listed	Reasonably anticipated to be a human carcinogen
Cumene	2B	Not listed	Not listed

Reproductive toxicity: No data available.

Teratogenicity: No data available.

Germ cell mutagenicity: No data available.

SECTION 12 – ECOLOGICAL INFORMATION:

Ecotoxicity:

Ingredient name	Result	Species	Exposure
Tetrachloroethylene	Acute EC50 504 ppm Marine water	Algae – Skeletonema costatum	96 hours
	Acute EC50 3.64 mg/L Fresh water	Algae – Chlamydomonas reinhardtii – Exponential growth phase	72 hours
	Acute EC50 7500 µg/L Fresh water	Daphnia – Daphnia magna - Instar	48 hours
	Acute LC50 3.5 mg/L Marine water	Crustaceans – Elminius modestus	48 hours
	Acute LC50 4000 µg/L Fresh water	Fish – Jordanella floridae – Juvenile (Fledgling, Hatchling, Weanling)	96 hours
	Chronic EC10 1.77 mg/L Fresh water	Algae – Chlamydomonas reinhardtii – Exponential growth phase	72 hours
	Chronic NOEC 0.4 mg/L Fresh water	Daphnia – Daphnia magna	21 days
1,2,4-Trimethylbenzene	Chronic NOEC 500 µg/L Fresh water	Fish – Pimephales promelas - Larvae	32 days
	Acute LC50 4910 µg/L Marine water	Crustaceans – Elasmopus pectenicrus - Adult	48 hours
	Acute LC50 7720 µg/L Fresh water	Fish – Pimephales promelas	96 hours

Cumene	Acute EC50 2600 µg/L Fresh water	Algae – Pseudokirchneriella subcapitata	72 hours
	Acute EC50 7400 µg/L Fresh water	Crustaceans – Artemia sp. – Nauplii	48 hours
	Acute EC50 10600 µg/L Fresh water	Daphnia – Daphnia magna - Neonate	48 hours
	Acute LC50 2700 µg/L Fresh water	Fish – Oncorhynchus mykiss	96 hours

Persistence and degradability: Light Aromatic Hydrocarbons: readily biodegradable.

Bioaccumulative potential:

Ingredient name	LogPow	BCF	Potential
Tetrachloroethylene	----	49	Low
1,2,4-Trimethylbenzene	----	243	Low
Light Aromatic Hydrocarbons	----	10 to 2500	High
Cumene	----	94.69	Low

Mobility in soil: Not available.

Other adverse effects: No known significant effects or critical hazards.

SECTION 13 – DISPOSAL CONSIDERATIONS:

Disposal instructions: Do not allow this material to drain into sewers/water supplies. Dispose in accordance with Federal, State / Provincial and local regulations.

Waste from residues: Waste packaging should be recycled. This material and its containers must be disposed of in a safe way accordance with local regulations.

Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14 - TRANSPORT INFORMATION:

Shipping information:

Regulatory information	UN number	UN Proper shipping name	Classes	Packing group	Environmental hazards	Additional information
DOT Classification	UN 1897	Tetrachloroethylene or Perchloroethylene mixture	6.1	III	No	<u>Special provisions:</u> Not applicable
T TDG Classification	UN 1897	Tetrachloroethylene or Perchloroethylene mixture	6.1	III	No	<u>Special provisions:</u> Not applicable
I ATA Class	UN 1897	Tetrachloroethylene or Perchloroethylene mixture	6.1	III	No	The environmentally hazardous substance mark may appear if required by other transportation

regulations.

Special provisions:
Not applicable
The marine pollutant mark is not required when transported in sizes of $\leq 5\text{L}$ or $\leq 5\text{ kg}$.
Emergency schedules (EmS):
F-A, S-A

IMDG Class	UN 1897	Tetrachloroethylene or Perchloroethylene mixture Marine pollutant (tetrachloroethylene)	6.1	III	Yes
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SECTION 15 - REGULATORY INFORMATION:

TSCA Inventory Status: Chemical components listed on TSCA inventory except as exempted.
NFPA Profile: Health 2, Flammability 0, Reactivity 0
SARA TITLE III Chemical Listings: Section 302 Extremely Hazardous Substances (40 CFR 355): Not known
Section 304 CERCLA Hazardous Substances (40 CFR 302): Not known
Section 311/312 Hazard Class (40 CFR 370): Acute: Yes; Chronic: Yes; Fire: No; Pressure: No; Reactive: No
Section 313 Toxic Chemicals (40 CFR 372): None

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: Light Aromatic Hydrocarbons (CAS# 64742-95-6).

California Proposition 65 List: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Volatile Organic Content: Not available.
Domestic Substance List: Chemical components listed on DSL except as exempted.

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: SDSNUFLEX630TRIPOLYMERSEALANT Rev.: 1 Date: 02/16