
SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION:

Product name:

**NUFLEX® 180 TUB & TILE
SILICONIZED ACRYLIC - COLORS**

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 irritation	–	Category 2
Eye irritation	–	Category 2B
Carcinogenicity	–	Category 1A
Germ Cell Mutagenicity	–	Category 1B
Specific Target Organ Toxicity- Single Exposure	–	Category 3
Specific Target Organ Toxicity- Repeated Exposure	–	Category 2

GHS Label elements:

Hazard symbols:



Signal word:

Danger

Hazard statements:

Causes skin irritation
Causes eye irritation
May cause respiratory irritation
May cause genetic defects
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
Do not breathe dust, fume, vapors or mist
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 or rash occurs, get medical attention.
If inhaled: if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
If in eyes, rinse with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
If exposed or concerned: Get medical advice.
Call a POISON CENTER or doctor/physician if you feel unwell.
Get medical advice if you feel unwell.
Specific treatment: Seek immediate medical advice. Refer to product label and Section 4 of this SDS.
If eye irritation persists: Get medical advice/attention.
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/container in accordance with applicable local, regional, national and international regulations.

Other hazards: Emits toxic fumes when heated.

Supplemental information: 72.5% of the mixture consists of component(s) of unknown acute toxicity.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS:

Substance/Mixture: Mixture

Chemical Name	CAS No.	Concentration (%)
Limestone	1317-65-3	40.0 - 70.0
Titanium Dioxide	13463-67-7	0.5 - 1.5
Acetaldehyde	75-07-0	0.1 – 1.0
Vinyl Acetate	108-05-4	0.1 – 1.0
Crystalline Silica, respirable powder (< 10 microns)	14808-60-7	0.1 – 1.0
Ethylene Glycol	107-21-1	0.5 – 1.5

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. Flush 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 and provide water. 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: Direct eye contact may cause slight to moderate irritation. May cause slight irritation to respiratory passages, headache, dizziness if inhaled. May cause allergic skin reactions and/or central nervous system depression.

Indication of immediate medical attention and special treatment needed: Provide general supportive measures and treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

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. This material is harmful to aquatic life. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

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 / MSHA 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. Wear all appropriate protective clothing and equipment specified in Section 8. Take care to prevent spills, waste and minimize release to the environment.

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. KEEP FROM FREEZING.

SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION:

Control Parameters:

Ingredient name	Exposure limits
Limestone	OSHA PEL: TWA: 5 mg/m ³ 8 hrs., respirable fraction TWA: 15 mg/m ³ 8 hrs., total dust
Titanium Dioxide	OSHA PEL: TWA: 5 mg/m ³ 8 hrs., total dust ACHIG TLV: TWA: 10 mg/m ³ 8 hrs.
Acetaldehyde	ACGIH TLV: Ceiling: 45 mg/m ³ Ceiling: 25 ppm
Vinyl Acetate	OSHA PEL: TWA: 360 mg/m ³ 8 hrs. TWA: 200 ppm 8 hrs. ACHIG TLV: STEL: 53 mg/m ³ 15 minutes STEL: 15 ppm 15 minutes TWA: 35 mg/m ³ 8 hrs. TWA: 10 ppm 8 hrs.
Crystalline Silica, respirable powder (<10 microns)	ACHIG TLV: TWA: 0.025 mg/m ³ 8 hrs., respirable OSHA PEL Z3: TWA: 10 mg/m ³ /(%SiO ₂ +2) 8 hrs., respirable TWA: 250 MPPCF/(%SiO ₂ +5) 8 hrs., respirable
Ethylene Glycol	OSHA PEL: TWA: 5 mg/m ³ 8 hrs. ACGIH TLV: Ceiling: 100 mg/m ³ , aerosol

Engineering controls:	Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations. Use respiratory protection unless local exhaust ventilation is provided or exposures are 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:	Mild acrylic
Odor threshold:	Not available
pH (ASTM D1293):	7.5 – 8.5
Melting point/Freezing point:	Not available
Initial boiling point and boiling range:	>100°F (37.8°C)
Flash point:	Closed cup: >201°F (93.9°C)
Evaporation rate:	0.33 (Butyl acetate = 1)
Flammability (solid, gas):	Not available
Upper flammability or explosion limit:	Not available
Lower flammability or explosion limit:	Not available
Vapor pressure:	2.3 kPa (17.5 mm Hg) @ room temperature
Vapor density:	Not available
Specific gravity:	1.68
Solubility:	Soluble in water
Partition coefficient: n-octanol/water:	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	15 - 40 g/s
Volatility:	29% (v/v), 17.1% (w/w)
Solid (w/w):	82.9%

SECTION 10 – STABILITY AND REACTIVITY:

Reactivity:	No specific test data related to reactivity available. Hazardous polymerization does not occur.
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid:	May produce hazardous decomposition products when exposed to high temperatures.
Incompatible materials:	Strong oxidizing agents, strong alkalis, strong acids.
Hazardous decomposition products:	Carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

SECTION 11 - TOXICOLOGICAL INFORMATION:

Information on the likely routes of exposure:

Inhalation:	No known significant effects or critical hazards.
Ingestion:	No known significant effects or critical hazards.
Skin contact:	No known significant effects or critical hazards.
Eye contact:	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics:

No further information available.

Acute toxicity:

Ingredient name	Result	Species	Dose	Exposure
Titanium Dioxide	LD50 Oral	Rat	>10 g/kg	----
Acetaldehyde	LC50 Inhalation Gas	Rat	13,300 ppm	4 hours
	LD50 Dermal	Rabbit	3,540 mg/kg	----
	LD50 Oral	Rat	661 mg/kg	----
Ethylene Glycol	LD50 Dermal	Rabbit	9.53 g/kg	----
	LD50 Oral	Rat	4,700 mg/kg	----
Vinyl Acetate	LC50 Inhalation Vapor	Mouse	1,460 ppm	4 hours
	LC50 Inhalation Vapor	Rat	11,400 mg/m ³	4 hours
	LC50 Inhalation Vapor	Rat	3,680 ppm	4 hours
	LD50 Dermal	Rabbit	2,335 mg/kg	----
	LD50 Oral	Rat	2.5 g/kg	----

Skin corrosion/irritation: No data available

Serious eye damage/irritation: No data available

Aspiration hazard: No data available

Specific target organ toxicity – single exposure: Acetaldehyde (CAS# 75-07-0): Category 3
Vinyl Acetate (CAS# 108-05-4): Category 3

Specific target organ toxicity – repeated exposure: Vinyl Acetate (CAS# 108-05-4): Category 1
Crystalline Silica, respirable powder (<10 microns): Category 2
Ethylene Glycol (CAS# 107-21-1): Category 2

Respiratory or skin sensitization: No data available

Carcinogenicity:

Ingredient name	OSHA	IARC	NTP
Titanium Dioxide	Not listed	2B	Not listed
Acetaldehyde	Not listed	1	Reasonably anticipated to be a human carcinogen
Vinyl Acetate	Not listed	2B	Not listed
Crystalline Silica, respirable powder (<10 microns)	Not listed	1	Known to be a human carcinogen

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
Titanium Dioxide	Acute EC50 100 mg/L fresh water	Daphnia-Daphnia magna-Neonate	48 hours
Vinyl Acetate	Acute LC50 31,080 – 36,630 µg/L fresh water	Fish-Poecilia reticulata	96 hours

Persistence and degradability: No data available.

Bioaccumulative potential:

Ingredient name	LogP _{ow}	BCF	Potential
Acetaldehyde	-0.34	-----	Low
Vinyl Acetate	0.73	-----	Low
Ethylene Glycol	-1.36	-----	Low

Mobility in soil: No data available.
Other adverse effects: No data available.

SECTION 13 – DISPOSAL CONSIDERATIONS:

Disposal instructions: Disposal of this material and its container should be at all times comply with the requirements of environmental protection and waste disposal regulations. Do not allow this material to drain into sewers/water supplies. Dispose of contents/container in accordance with local, regional, national and international regulations.

Waste from residues: Dispose of in accordance with local regulations.

Contaminated packaging: Dispose of as unused product in a safe way. Empty containers should be taken to an approved waste handling site for recycling or disposal.

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

	DOT	IMDG	IATA
UN Number	UN3082	Not regulated	Not regulated
UN Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S. (carbendazim (ISO))	-----	-----
Transport Hazard Class(es)	9	-----	-----
Packing Group	III	-----	-----
Environmental Hazards	No	No	No
Marine Pollutant Substances	Not applicable	Not applicable	Not applicable
Product RQ (lbs)	25,000	Not applicable	Not applicable
RQ Substances	(carbendazim (ISO))	Not applicable	Not applicable

Additional Information: DOT : Package sizes shipped in quantities less than the product reportable quantity (RQ) are not subject to the RQ transportation requirements.

IMDG : None identified

IATA : None identified

SECTION 15 - REGULATORY INFORMATION:**U.S. Federal Regulations:**

SARA 302/304: SARA 304 RQ: 711,338.7 lbs./ 322,947.8 kg [50,855.5 gal./ 192,509.2 L]

Composition/information on ingredients:

Ingredient	EHS	SARA 302 TPQ		SARA 304 RQ	
		lbs.	gallons	lbs.	gallons
Vinyl Acetate	Yes	1,000	129	5,000	644.8

SARA 311/312: Delayed (chronic) health hazard
Composition/information on ingredients:

Ingredient	Fire hazard	Sudden release or pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Titanium Dioxide	No	No	No	No	Yes
Acetaldehyde	Yes	No	No	Yes	Yes
Vinyl Acetate	Yes	No	Yes	Yes	Yes
Ethylene Glycol	No	No	No	Yes	Yes
Crystalline Silica, respirable powder (<10 microns)	No	No	No	No	Yes

SARA 313:

Supplier notification:

Chemical Name	CAS Number	Concentration (%)
Acetaldehyde	75-07-0	0.1 – 1.0
Vinyl Acetate	108-05-4	0.1 – 1.0

U.S. State Regulations:

California Proposition 65: This product contains trace amount of substances known to the State of California to cause cancer, birth defects or other reproductive harm.

Other U.S. State Inventories: The following component is cited in the Pennsylvania Hazardous Substances List and is present at levels that require reporting: Ethylene Glycol (CAS# 107-21-1) <2%.

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 1, Reactivity 0

SECTION 16 - OTHER INFORMATION:

Prepared by: Technical Services Department
Revision date: February 2, 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.