



NUFLEX ® 180 SILICONIZED ACRYLIC

SECTION 1. IDENTIFICATION

Product Identifier	NUFLEX ® 180 SILICONIZED ACRYLIC
Other Means of Identification	Sanded Acrylic
Other Identification	Siliconized Acrylic Latex Caulk
Recommended Use	Caulking compound.
Restrictions on Use	None known.

SECTION 2. HAZARD IDENTIFICATION

Classified according to the US Hazard Communication Standard (HCS 2012).

Classification

Skin irritation - Category 2; Eye irritation - Category 2B; Germ cell mutagenicity - Category 1B; Carcinogenicity - Category 1A; Specific target organ toxicity (single exposure) - Category 3; Specific target organ toxicity (repeated exposure) - Category 2

Label Elements



Signal Word:
Danger

Hazard Statement(s):

Causes skin and eye irritation.
May cause respiratory irritation.
May cause genetic defects.
May cause cancer.
May cause damage to organs through prolonged or repeated exposure.

Precautionary Statement(s):

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

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Response:

IF ON SKIN: Wash with plenty of water.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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 or attention.

Call a POISON CENTRE or doctor if you feel unwell.

Specific treatment (see supplemental first aid instruction on this label).

If skin irritation occurs: Get medical advice or attention.

If eye irritation persists: Get medical advice or attention.

Take off contaminated clothing and wash it before reuse.

Storage:

Other Hazards

Emits toxic gases when heated.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Calcium carbonate	1317-65-3	40.0-70.0		
Titanium dioxide	13463-67-7	0.5-1.5		
Ethylene glycol	107-21-1	0.5-1.5		
Acetaldehyde	75-07-0	0.1-1.0		
Vinyl acetate	108-05-4	0.1-1.0		
Silica, quartz	14808-60-7	0.1-1.0		

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Remove source of exposure or move to fresh air. Keep at rest in a position comfortable for breathing. Get medical advice or attention if you feel unwell or are concerned.

Skin Contact

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Immediately wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 15-20 minutes. If skin irritation occurs, get medical advice or attention.

Eye Contact

Remove contact lenses, if present and easy to do. Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. If eye irritation persists, get medical advice or attention.

Ingestion

Rinse mouth with water. Get medical advice or attention if you feel unwell or are concerned.

First-aid Comments

If exposed or concerned, get medical advice or attention.

Most Important Symptoms and Effects, Acute and Delayed

If in eyes: causes moderate to severe irritation.

If inhaled: symptoms may include headache, nausea, dizziness, drowsiness and confusion. A severe exposure can cause unconsciousness.

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If on skin: skin sensitizer. May cause an allergic skin reaction in some people.

Immediate Medical Attention and Special Treatment

Target Organs

Nervous system, eyes, respiratory system, skin.

Special Instructions

Not applicable.

Medical Conditions Aggravated by Exposure

None known.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Not combustible. Use extinguishing agent suitable for surrounding fire.

Unsuitable Extinguishing Media

None known.

Specific Hazards Arising from the Product

Closed containers may rupture violently when heated releasing contents.

In a fire, the following hazardous materials may be generated: very toxic carbon monoxide, carbon dioxide; metal oxides.

Special Protective Equipment and Precautions for Fire-fighters

No special precautions are necessary. Review Section 6 (Accidental Release Measures) for important information on responding to leaks/spills.

Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Non-emergency personnel: evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Use the personal protective equipment recommended in Section 8 of this safety data sheet.

Environmental Precautions

Do not allow into any sewer, on the ground or into any waterway.

Methods and Materials for Containment and Cleaning Up

Review Section 7 (Handling) of this safety data sheet before proceeding with clean-up. Contain and soak up spill with absorbent that does not react with spilled product. Contaminated absorbent poses the same hazard as the spilled product. Collect using shovel/scoop or approved HEPA vacuum and place in a suitable container for disposal. Dike and recover contaminated water for appropriate disposal.

Other Information

Report spills to local health, safety and environmental authorities, as required.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Obtain special instructions before use. Do not breathe in this product. Do not get in eyes, on skin or on clothing. Avoid exposure during pregnancy and while nursing. Only use where there is adequate ventilation. Avoid heating that will increase the amount of vapours. See Section 13 (Disposal Considerations) of this safety data sheet.

Conditions for Safe Storage

Store in an area that is: cool, well-ventilated, separate from incompatible materials (see Section 10: Stability and Reactivity).

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Calcium carbonate	Not established	Not established	15 mg/m3	Not established	Not established	Not established
Titanium dioxide	10 mg/m3 A4	Not established	15 mg/m3	Not established	Not established	Not established
Acetaldehyde	25 ppm	25 ppm	200 ppm	Not established	Not established	10 ppm
Vinyl acetate	10 ppm	15 ppm	Not established	Not established	Not established	5 ppm
Silica, quartz	0.025 mg/m3	0.025 mg/m3	10 mg/m3	30 mg/m3	Not established	Not established
Ethylene glycol	25 ppm	50 ppm	Not established	Not established	Not established	Not established

Appropriate Engineering Controls

Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air.

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles.

Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.
Suitable materials are: neoprene rubber, nitrile rubber, Silver Shield®.

Respiratory Protection

Not usually required when working with small quantities. For non-routine or emergency situations: wear a NIOSH approved air-purifying respirator with an organic vapour cartridge.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Tan viscous paste.
Odour	Not available
Odour Threshold	Not available
pH	7.5 - 8.5
Melting Point/Freezing Point	Not available (melting); Not available (freezing)
Initial Boiling Point/Range	> 37.8 °C
Flash Point	93.89 °C (closed cup)
Evaporation Rate	0.33 (n-butyl acetate = 1)
Flammability (solid, gas)	Not available
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Vapour Pressure	2.3 kPa at 25 °C (77 °F)
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	1.68 at 25 °C (77 °F)
Solubility	Soluble in water; Not available (in other liquids)
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available

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Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available (kinematic); Not available (dynamic)

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

Prolonged exposure to high temperatures.

Incompatible Materials

Forms very toxic chemicals on contact with: strong oxidizing agents (e.g. perchloric acid), strong bases (e.g. sodium hydroxide), strong acids (e.g. hydrochloric acid).

Not corrosive to metals.

Hazardous Decomposition Products

Very toxic carbon monoxide, carbon dioxide; corrosive, oxidizing nitrogen oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

Information presented below is for the entire product, unless otherwise specified.

Likely Routes of Exposure

Inhalation; skin contact; skin absorption; eye contact; ingestion.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Calcium carbonate		> 6450 mg/kg (rat)	
Titanium dioxide	> 6820 mg/kg (rat) (4-hour exposure)	> 25000 mg/kg (rat)	> 10000 mg/kg (rabbit)
Acetaldehyde	8722 ppm (rat) (4-hour exposure)	660 mg/kg (rat)	> 5000 mg/kg (rabbit)
Vinyl acetate		4880 mg/kg	
Silica, quartz		500 mg/kg (rat)	
Ethylene glycol	2725 mg/m3 (rat) (4-hour exposure)	4000 mg/kg (female rat)	9530 mg/kg (rabbit)

Skin Corrosion/Irritation

No information was located.

Serious Eye Damage/Irritation

No information was located.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

(Acetaldehyde) category 3. (Vinyl acetate) category 3.

Skin Absorption

(Vinyl acetate) category 3. (Acetaldehyde) category 3.

Ingestion

No information was located.

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Aspiration Hazard

No information was located.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

(Vinyl acetate) category 1. (Ethylene glycol) category 2. (Silica, quartz) category 2.

Respiratory and/or Skin Sensitization

No information was located.

Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
Calcium carbonate	Not Listed	Not designated	Not Listed	Not Listed
Titanium dioxide	Group 2B	A4	Not Listed	Not Listed
Acetaldehyde	Group 2B	A2	Reasonably anticipated	Not Listed
Vinyl acetate	Group 2B	A3	Not Listed	Not Listed
Silica, quartz	Group 1	A2	Known carcinogen	Not Listed
Ethylene glycol	Not Listed	A4	Not Listed	Not Listed

IARC:

Group 1 – Carcinogenic to humans.

Group 2B – Possibly carcinogenic to humans.

ACGIH®:

A2 – Suspected human carcinogen.

A3 – Confirmed animal carcinogen.

A4 – Not classifiable as a human carcinogen.

Reproductive Toxicity**Development of Offspring**

No information was located.

Sexual Function and Fertility

No information was located.

Effects on or via Lactation

No information was located.

Germ Cell Mutagenicity

No information was located.

Interactive Effects

No information was located.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Acute Aquatic Toxicity**

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Titanium dioxide	500 mg/L (Pimephales promelas (fathead minnow); fresh water)	3 mg/L (Daphnia magna (water flea); fresh water; static)		36 mg/L (Pseudokirchneriella subcapitata (algae); 72-hour; fresh water; static)
Vinyl acetate	15.7-22.0 mg/L (Lepomis macrochirus)			

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(bluegill); 96-hour)

Persistence and Degradability

No information was located.

Bioaccumulative Potential

N-Octanol/Water Partition Coefficient (Log Kow): -0.34. (Acetaldehyde)

N-Octanol/Water Partition Coefficient (Log Kow): 0.73. (Vinyl acetate)

N-Octanol/Water Partition Coefficient (Log Kow): -1.36. (Ethylene glycol)

Mobility in Soil

No information was located.

Other Adverse Effects

There is no information available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of contents and container in accordance with local, regional, national and international regulations. Empty containers retain product residue. Follow label warnings even if container appears to be empty.

SECTION 14. TRANSPORT INFORMATION

Not regulated under IATA Regulations.

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Canadian TDG	3082	Environmentally Hazardous (Carbendazim)	9	III
US DOT	3082	Environmentally Hazardous (Carbendazim)	9	III

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL/NDSL.

USA

Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are listed on the TSCA Inventory.

Additional USA Regulatory Lists

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

Pennsylvania Right To Know:

Ethylene Glycol (CAS# 107-21-1) - <2%

SARA Title III - Section 302: Vinyl Acetate 1000 lbs

SARA Title III - Section 311/312:

Chronic Health Hazard

SARA Title III - Section 313:

Vinyl Acetate (CAS# 108-05-4) - 0.1% - 1.0%

Acetaldehyde (CAS# 75-07-0) - 0.1% - 1.0%.

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SECTION 16. OTHER INFORMATION

NFPA Rating **Health - 2 Flammability - 1 Instability - 0**

SDS Prepared By Technical Services Department

Phone No. (519) 823-4994

Date of Preparation December 06, 2017

Date of Last Revision December 07, 2017

Revision Indicators Revision:
1

References CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS).
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