SAFETY DATA SHEET

NuFlex 110 (White)

SECTION 1: IDENTIFICATION

1.1. Product identifier

Trade name: NuFlex 110 (White)

Other names / Synonyms: NuFlex 110 (Blanc)

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture: Sealant
Restricted to professional users.

Uses advised against : None known.

1.3. Details of the supplier of the safety data sheet

Company and address:

NUCO Inc.
150 Curtis Dr.
Guelph
Ontario
N1K 1N5 Guelph
Canada
T: 1800 853 3984
www.sealantcentre.com

Contact person: Regulatory Team

E-mail: info@nucoinc.com

SDS date: 8/22/2024

SDS Version: 2.0

Date of previous version: 8/16/2024 (1.0)

1.4. Emergency telephone number

ChemTel Chemical Expert Assistance Hotline
T: +1-800-255-3924

SECTION 2: HAZARD(S) IDENTIFICATION

Classified according to WHMIS 2022.

2.1. Classification of the substance or mixture

Asp. Tox. 1; H304, May be fatal if swallowed and enters airways.
Skin Irrit. 2; H315, Causes skin irritation.
Carc. 2; H351, Suspected of causing cancer.
STOT RE 1; H372, Causes damage to organs through prolonged or repeated exposure.

2.2. Label elements

Hazard pictogram(s):

Signal word:	Danger
Hazard statement(s):	May be fatal if swallowed and enters airways. (H304) Causes skin irritation. (H315) Suspected of causing cancer. (H351) Causes damage to organs through prolonged or repeated exposure. (H372)
Precautionary statement(s):	
General:	-
Prevention:	Obtain special instructions before use. (P201) Do not breathe vapour/mist. (P260) Wash hands and exposed skin thoroughly after handling. (P264) Wear eye protection/protective gloves. (P280)
Response:	IF SWALLOWED: Immediately call a POISON CENTER/doctor. (P301+P310) IF exposed or concerned: Get medical advice/attention. (P308+P313) Get medical advice/attention if you feel unwell. (P314) Do NOT induce vomiting. (P331)
Storage:	-
Disposal:	Dispose of contents/container in accordance with local regulation (P501)
Hazardous substances:	Stoddard Solvent
Additional labelling:	Not applicable.

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. ▼Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Limestone	CAS No.: 1317-65-3	30-60%		[19]
Stoddard Solvent	CAS No.: 8052-41-3	10-30%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT RE 1, H372	[19]
Kaolin	CAS No.: 1332-58-7	1-5%		[19]
1,2,4-trimethylbenzene	CAS No.: 95-63-6	1-5%	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332 STOT SE 3, H335	

Titanium dioxide	CAS No.: 13463-67-7	1-5%	Carc. 2, H351	
Quartz (SiO2)	CAS No.: 14808-60-7	0.1-1%		

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

SECTION 4: FIRST-AID MEASURES

4.1. Description of first aid measures

General information: If breathing is irregular, drowsiness, loss of consciousness or cramps: Call 911 and give immediate treatment (first aid).
Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation: Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact: Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.
If skin irritation occurs: Get medical advice/attention.

Eye contact: If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion: IF SWALLOWED: Immediately call a POISON CENTER/doctor.
Do not induce vomiting! If vomiting occurs, keep head facing down so that vomit does not get into the lungs. Call a doctor or ambulance. Symptoms of chemical pneumonia can appear after several hours. People who have swallowed the product should therefore be kept under medical attention for at least 48 hours.

Burns: Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

This product contains substances that can cause chemical pneumonia if swallowed. Symptoms of chemical pneumonia may appear after several hours.

4.3. Indication of any immediate medical attention and special treatment needed

IF exposed or concerned:
Get immediate medical advice/attention.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media
Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.
Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture
Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.
If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:
Carbon oxides (CO / CO2)

5.3. Advice for firefighters
Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact a poison centre in order to obtain further advice. See section 1 “Emergency telephone number”.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Avoid direct contact with spilled substances.
Ensure adequate ventilation, especially in confined areas.

6.2. Environmental precautions
Avoid discharge to lakes, streams, sewers, etc.
Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up
Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections
See section 13 “Disposal considerations” on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling
Avoid direct contact with the product.
Avoid contact during pregnancy and while nursing.
Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities
Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material: Always store in containers of the same material as the

	original container.
Storage conditions:	No specific requirements
Incompatible materials:	Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. ▼Control parameters

ALBERTA

Limestone
Long term exposure limit (8 hours) (mg/m³): 10
Annotations:
3 = Occupational exposure limit is based on irritation effects and its adjustment to compensate for unusual work schedules is not required.

Stoddard Solvent
Long term exposure limit (8 hours) (ppm): 100
Long term exposure limit (8 hours) (mg/m³): 572

Kaolin
Long term exposure limit (8 hours) (mg/m³): 2

Titanium dioxide
Long term exposure limit (8 hours) (mg/m³): 10
Annotations:
3 = Occupational exposure limit is based on irritation effects and its adjustment to compensate for unusual work schedules is not required.

Quartz (SiO2)
Long term exposure limit (8 hours) (mg/m³): 0.025
Annotations:
A2 = Quartz (SiO2) is a suspected human carcinogen.

Occupational Health and Safety Code 2009 Order, Alta Reg 87/2009 (revised in 2018)

BRITISH COLUMBIA
Limestone
Time-Weighted Average Limit (TWA): 10 mg/m³
Short-Term Exposure Limit (STEL) / Ceiling Limit (C): 20 mg/m³
Annotations:
N = The 8-hour TWA is for the total dust. The substance also has an 8-hour TWA of 3 mg/m³ for the respirable fraction.
Stoddard Solvent
Time-Weighted Average Limit (TWA): 290 mg/m³
Short-Term Exposure Limit (STEL) / Ceiling Limit (C): 580 mg/m³
Kaolin
Time-Weighted Average Limit (TWA): 2 mg/m³
Annotations:

E = The value is for particulate matter containing no asbestos and less than 1% crystalline silica.
Titanium dioxide
Time-Weighted Average Limit (TWA): 10 mg/m³
Annotations:
N = The 8-hour TWA is for the total dust. The substance also has an 8-hour TWA of 3 mg/m³ for the respirable fraction.
Quartz (SiO2)
Time-Weighted Average Limit (TWA): 0.025 mg/m³
OHS Regulation Part 5: Chemical Agents and Biological Agents.

ONTARIO
Stoddard Solvent
Time-Weighted Average Limit (TWA): 100 ppm
Kaolin
Time-Weighted Average Limit (TWA): 2 mg/m³
Annotations:
(E) = The value is for particulate matter containing no asbestos and < 1 % crystalline silica.
(R) = Respirable fraction.
Titanium dioxide
Time-Weighted Average Limit (TWA): 10 mg/m³
Quartz (SiO2)
Time-Weighted Average Limit (TWA): 0.10 mg/m³
Annotations:
(R) = Respirable fraction.
Regulation 833 (Control of Exposure to Biological or Chemical Agents) and Ontario Regulation 490/09 (Designated Substances)

QUEBEC
Limestone
Long term exposure limit (8 hours) (mg/m³): 10
Annotations:
Td = Total dust.
Note 1= The standard corresponds to dust containing no asbestos and the percentage in crystalline silica is less than 1%.
Stoddard Solvent
Long term exposure limit (8 hours) (ppm): 100
Long term exposure limit (8 hours) (mg/m³): 525
Kaolin
Long term exposure limit (8 hours) (mg/m³): 2
Annotations:
Rd = Respirable dust.
Note 1= The standard corresponds to dust containing no asbestos and the percentage in crystalline silica is less than 1%.
1,2,4-trimethylbenzene
Long term exposure limit (8 hours) (ppm): 25

Titanium dioxide
Long term exposure limit (8 hours) (mg/m³): 10
Annotations:
Td = Total dust.
Note 1= The standard corresponds to dust containing no asbestos and the percentage in crystalline silica is less than 1%.
Quartz (SiO2)
Long term exposure limit (8 hours) (mg/m³): 0.1

Annotations:
EM = Exposure must be reduced to a minimum in accordance with section 42.
Rd = Respirable dust.
Regulation respecting occupational health and safety (Chapter S-2.1, r. 13)

SASKATCHEWAN
Limestone
Long term exposure limit (8 hours) (mg/m^3): 10
Short term exposure limit (15 minutes) (mg/m^3): 20
Stoddard Solvent
Long term exposure limit (8 hours) (ppm): 100
Short term exposure limit (15 minutes) (ppm): 125
Kaolin
Long term exposure limit (8 hours) (mg/m^3): 2
Short term exposure limit (15 minutes) (mg/m^3): 4
Titanium dioxide
Long term exposure limit (8 hours) (mg/m^3): 10
Short term exposure limit (15 minutes) (mg/m^3): 20
Quartz (SiO2)
Long term exposure limit (8 hours) (mg/m^3): 0.05
Annotations:
T20 = Substance is also included in Table 20 of The Occupational Health and Safety Regulations and subject to Sections 306 and 311
The Occupational Health and Safety Regulations, 2020, Chapter S15.1 Reg 10.

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations:	Smoking, drinking and consumption of food is not allowed in the work area.
Exposure scenarios:	There are no exposure scenarios implemented for this product.
Exposure limits:	Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.
Appropriate technical measures:	The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked. Apply standard precautions during use of the product. Avoid inhalation of vapours.
Hygiene measures:	Take off contaminated clothing and wash it before reuse.
Measures to avoid environmental exposure:	Keep damming materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment

Generally:	No specific requirements

Respiratory Equipment:
No specific requirements

Skin protection:
No specific requirements.

Hand protection:
No specific requirements.

Eye protection:
No specific requirements.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:	Paste
Colour:	White
Odour:	Hydrocarbon
Odour threshold (ppm):	No relevant or available data due to the nature of the product.
pH:	No relevant or available data due to the nature of the product.
Density (g/cm^3):	1.32
Kinematic viscosity:	No relevant or available data due to the nature of the product.
Particle characteristics:	No relevant or available data due to the nature of the product.

Phase changes

Melting point (°C):	No relevant or available data due to the nature of the product.
Softening point/range (°F):	No data available.
Boiling point (°C):	No relevant or available data due to the nature of the product.
Vapour pressure:	No relevant or available data due to the nature of the product.
Relative vapour density:	No relevant or available data due to the nature of the product.
Decomposition temperature (°C):	No relevant or available data due to the nature of the product.

Data on fire and explosion hazards

Flash point (°C):	No relevant or available data due to the nature of the product.
Flammability (°C):	No relevant or available data due to the nature of the product.
Auto-ignition temperature (°C):	No relevant or available data due to the nature of the product.
Explosion limits (% v/v):	No relevant or available data due to the nature of the product.

Solubility

Solubility in water:	No relevant or available data due to the nature of the product.

n-octanol/water coefficient (LogKow):	No relevant or available data due to the nature of the product.
Solubility in fat (g/L):	No relevant or available data due to the nature of the product.

9.2. Other information

Other physical and chemical parameters:	VOC content = 240 g/L
Oxidizing properties:	No relevant or available data due to the nature of the product.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
The product is stable under the conditions, noted in section 7 “Handling and storage”.

10.3. Possibility of hazardous reactions
None known.

10.4. Conditions to avoid
None known.

10.5. Incompatible materials
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products
The product is not degraded when used as specified in section 1.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity
Based on available data, the classification criteria are not met.

Skin corrosion/irritation
Causes skin irritation.

Serious eye damage/irritation
Based on available data, the classification criteria are not met.

Respiratory sensitisation
Based on available data, the classification criteria are not met.

Skin sensitisation
Based on available data, the classification criteria are not met.

Germ cell mutagenicity
Based on available data, the classification criteria are not met.

Carcinogenicity
Suspected of causing cancer.

Reproductive toxicity
Based on available data, the classification criteria are not met.

STOT-single exposure
Based on available data, the classification criteria are not met.

STOT-repeated exposure
Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard
May be fatal if swallowed and enters airways.

Long term effects
Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

Other information
Titanium dioxide has been classified by IARC as a group 2B carcinogen.
Quartz (SiO2) has been classified by IARC as a group 1 carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity
No data available.

12.2. Persistence and degradability
Based on available data, the classification criteria are not met.

12.3. Bioaccumulative potential
Based on available data, the classification criteria are not met.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Other adverse effects
None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods
None of the components are listed

Specific labelling

Contaminated packing
Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
TDG	-	-	-	-	-	-
IMDG	-	-	-	-	-	-

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to TDG, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Canadian lists

DSL / NDSL:

Limestone is listed
Stoddard Solvent is listed
Kaolin is listed
1,2,4-trimethylbenzene is listed
Titanium dioxide is listed
Quartz (SiO2) is listed

15.4. Restrictions for application

Restricted to professional users.
Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

15.5. Demands for specific education

No specific requirements.

Additional information

Not applicable.

15.7. Chemical safety assessment

No

Sources

Hazardous Products Regulations (SOR/2022-272)

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H226, Flammable liquid and vapour.
H304, May be fatal if swallowed and enters airways.
H315, Causes skin irritation.
H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H335, May cause respiratory irritation.

H351, Suspected of causing cancer.
H372, Causes damage to organs through prolonged or repeated exposure.

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

ANSI = American National Standards Institute
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
DSL = Domestic Substances List
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
HHNOC = Health Hazards Not Otherwise Classified
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NDSL = Non-domestic substances list
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PHNOC = Physical Hazards Not Otherwise Classified
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
SCL = A specific concentration limit.
SOR = Statutory Orders and Regulations
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TDG = Transportation of Dangerous Goods
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative
WHIMS = Workplace Hazardous Materials Information System

Additional information

The classification of the mixture in regard of health hazards is in accordance with the calculation methods given by WHMIS 2022

The safety data sheet is validated by

Regulatory Team

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product.
Information in this safety data sheet cannot be used as a product specification.
Country-language: CA-en