DemoFlex Adhesive

Safety Data Sheet

according to the Hazard CommunicationStandard (CFR29 1910.1200) HazCom 2012

Date of issue: 05/28/2015 Revision date: 05/28/2015

SECTION 1 : Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : DemoFlex Adhesive

Product code : Not available

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

Use of the substance/mixture : Adhesive

1.3. Details of the supplier of the safety data sheet

NUE TILE LLC
1879 Whitehaven Rd #144
Grand Island, NY 14072
800.686.9158

1.4. Emergency telephone number

Emergency number : CHEMTREC: 1 (800) 424 -9300

SECTION 2 : Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Gases under pressure - Dissolved gas

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :

GHS04

Signal word (GHS-US) : Warning

Hazard statements (GHS-US) : Contains gas under pressure; may explode if heated.

Precautionary statements (GHS-US) : Protect from sunlight. Store in a well-ventilated place.

2.3. Other hazards

contains 0.020 g/ml VOC (Volatile Organic Compounds) in content, according to EPA Test Method 8260B

2.4. Unknown acute toxicity (GHS -US)

None

SECTION 3 : Composition/information on ingredients

3.1. Substance

Not applicable.

3.2. Mixture

Name	Product identifier	%	GHS-US classification
1,1-Difluoroethane	(CAS No) 75-37-6	10 - 30	Flam. Gas 1 Liquefied gas
Limestone	(CAS No) 1317-65-3	0.1 - 1	Not classified.
Quartz	(CAS No) 14808-60-7	< 0.1	Carc. 1A STOT RE 1
1,4-Dioxane	(CAS No) 123-91-1	< 0.1	Flam. Liq. 2 Eye Irrit. 2A Carc. 2 STOT SE 3

Ethylene oxide	(CAS No) 75-21-8	< 0.1	Flam. Gas 1 Liquefied gas Acute Tox. 3 (Inhalation) Skin Irrit. 2 Eye Irrit. 2A Muta. 1B Carc. 1B STOT SE 3

* The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

SECTION 4 : First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical advice/attention if you feel unwell.

First-aid measures after skin contact : In case of contact, immediately flush skin with plentyof water. Call a physician if irritation develops and persists.

First-aid measures after eye contact : In case of contact, immediately flush eyes with plentyof water. Remove contact lenses, if worn. If irritation persists, get medical attention.

First-aid measures after ingestion : If swallowed, do NOT induce vomiting unless directed todo so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

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

Symptoms/injuries after inhalation : May cause respiratory tract irritation.

Symptoms/injuries after skin contact : May cause skin irritation. Symptoms may include redness,drying, defatting and cracking of the skin.

Symptoms/injuries after eye contact : May cause eye irritation. Symptoms may include discomfort orpain, excess blinking and tear production, with possible redness and swelling.

Symptoms/injuries after ingestion : Not a normal route of exposure. May be harmful if swallowed. May cause stomachdistress, nausea or vomiting.

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

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

SECTION 5 : Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Powder, water spray, foam, carbon dioxide

Unsuitable extinguishing media : None known.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Products of combustion may include, and are not limitedto: oxides of carbon.

5.3. Advice for firefighters

Protection during firefighting : Containers may explode when heated. Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). Use water spray to keep fire-exposed containers cool.

SECTION 6 : Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Use personal protection recommended in Section 8. Isolate thehazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition. Ruptured cylinders may rocket.

6.2. Methods and material for containment and cleaning up

For containment : Contain and/or absorb spill with inert material(e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for cleaning up : Scoop up material and place in a disposal container.Provide ventilation.

6.3. Reference to other s ections

See section 8 for further information on protective clothingand equipment and section 13 for advice on waste disposal.

SECTION 7 : Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Keep away from sources of ignition. - No smoking. Avoid contact with skin and eyes. Avoid breathing vapour or mist. Do not swallow. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. When using do not eat, drink or smoke.

Hygiene measures : Launder contaminated clothing before reuse. Wash handsbefore eating, drinking, or smoking.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep locked up and out of reach of children. Keep from freezing. Store away from direct sunlight or other heat sources. Store in dry, cool, well-ventilated area.

7.3. Specific end use(s)

Not available.

SECTION 8 : Exposure controls/personal protection

8.1. Control parameters

1,1-Difluo roethane (75 -37-6)	
ACGIH	Not applicable
OSHA	Not applicable

Limestone (1317 -65-3)		
ACGIH	ACGIH TWA (mg/m³)	10 mg/m³ (total dust)
OSHA	OSHA PEL (TWA) (mg/m³)	15 mg/m³ (total dust) 5 mg/m³ (respirable fraction)

Quartz (14808 -60-7)		
ACGIH	ACGIH TWA (mg/m³)	0.025 mg/m³ (respirable fraction)
OSHA	OSHA PEL (TWA) (mg/m³)	(10 mg/m³)/(%SiO_2+2) (respirable fraction) (30 mg/m³)/(%SiO_2+2) (total dust) (250)/(%SiO_2+5) mppcf (respirable fraction)

1,4-Dioxane (123 -91-1)		
ACGIH	ACGIH TWA (ppm)	20 ppm
OSHA	OSHA PEL (TWA) (mg/m³)	360 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	100 ppm

Ethylene oxide (75 -21-8)		
ACGIH	ACGIH TWA (ppm)	1 ppm
OSHA	OSHA PEL (TWA) (ppm)	1 ppm
OSHA	OSHA PEL (STEL) (ppm)	5 ppm

8.2. Exposure controls

Appropriate engineering controls : Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Hand protection : Wear suitable gloves.

Eye protection : Safety glasses or goggles are recommended when using product.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : In case of insufficient ventilation, wear suitable respiratoryequipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Environmental exposure controls : Maintain levels below Community environmental protection thresholds.

Other information : Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

SECTION 9 : Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Gas/Pressurized Liquid

Appearance : Clear

Color : White

Odor : Sweet

Odor threshold : No data available

pH : 5.5 - 7.5

Relative evaporation rate (butylacetate=1) : No data available

Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	Not flammable
Vapor pressure	:	No data available
Relative vapor density at 20 °C	:	No data available
Relative density	:	1.03
Solubility	:	Miscible
Partition coefficient: n-octanol/water	:	No data available
Log Kow	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive properties	:	No data available
Oxidising properties	:	No data available
Explosive limits	:	No data available

9.2. Other information

No additional information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

Stable under normal storage conditions. Contents under pressure. Container may explode if heated. Do not puncture. Do not burn. Keep in a cool place.

10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid

Heat. Incompatible materials. Sources of ignition.

10.5. Incompatible materials

Oxidizers. Nitrates. Chlorine bleach.

10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified.

Release Spray	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	No data available
LC50 inhalation rat	No data available

1,1-Difluoroethane (75 -37-6)	
LC50 inhalation mouse	977 g/m^3/2h

Limestone (1317 -65-3)	
LD50 oral rat	6450 mg/kg

1,4-Dioxane (123 -91-1)	
LD50 oral rat	5170 mg/kg
LD50 dermal rabbit	7600 µl/kg
LC50 inhalation rat	46 mg/l/2h

Ethylene oxide (75 -21-8)	
LD50 oral rat	72 mg/kg
LC50 inhalation rat	800 ppm/4h

Skin corrosion/irritation : Based on available data, the classification criteria are not met
Serious eye damage/irritation : Based on available data, the classification criteria are not met
Respiratory or skin sensitisation : Based on available data, the classification criteria are not met
Germ cell mutagenicity : Based on available data, the classification criteria are notmet.
Carcinogenicity : Based on available data, the classification criteria are not met

Quartz (14808 -60-7)	
IARC group	1 - Carcinogenic to humans
National Toxicology Program (NTP) Status	2 - Known Human Carcinogens

1,4-Dioxane (123 -91-1)	
IARC group	2B - Possibly carcinogenic to humans
National Toxicology Program (NTP) Status	1 - Evidence of Carcinogenicity, 3 - Reasonably anticipated to be Human Carcinogen

Ethylene oxide (75 -21-8)	
IARC group	1 - Carcinogenic to humans
National Toxicology Program (NTP) Status	1 - Evidence of Carcinogenicity, 2 - Known Human Carcinogens
	In OSHA Specifically Regulated Carcinogen list

Reproductive toxicity : Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure) : Based on available data, the classification criteria are not met
Specific target organ toxicity (repeated exposure) : Based on available data, the classification criteria are not met
Aspiration hazard : Based on available data, the classification criteria are not met

Symptoms/injuries after inhalation : May cause respiratory tract irritation.
Symptoms/injuries after skin contact : May cause skin irritation. Symptoms may include redness,drying, defatting and cracking of the skin.
Symptoms/injuries after eye contact : May cause eye irritation. Symptoms may include discomfort orpain, excess blinking and tear production, with possible redness and swelling.
Symptoms/injuries after ingestion : Not a normal route of exposure.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.

12.2. Persistence and degradability

Release Spray	
Persistence and degradability	Not established.

12.3. Bioaccumula tive potential

Release Spray	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on the global warming : No known ecological damage caused by this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : This material must be disposed of in accordancewith all local, state, provincial, and federal regulations. Pressurized container: Do not pierce or burn, even after use.

SECTION 14: Transport information

In accordance with DOT
UN-No.(DOT) : UN1950
Proper Shipping Name (DOT) : Aerosols, non-flammable

Department of Transportation (DOT) Hazard Classes : 2.2

Hazard labels (DOT) :

Additional information

Other information : No supplementary information available.

Special transport precautions : Do not handle until all safety precautions have been read and understood.

SECTION 15 : Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:

Propanol, 2-(methylamino)-2-methyl-	CAS No 27646-80-6

1,4-Dioxane (123 -91-1)	
Listed on United States SARA Section 313	
SARA Section 313 - Emission Reporting	0.1 %

Ethylene oxide (75 -21-8)	
Listed on the United States SARA Section 302 Listed on United States SARA Section 313	
SARA Section 302 Threshold Planning Quantity (TPQ)	1000
SARA Section 313 - Emission Reporting	0.1 %

15.2. US State regulations

Release Spray	
State or local regulations	This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

SECTION 16 : Other informat ion

Date of issue : 05/28/2015

Other information : None.

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