

1. IDENTIFICATION**Product Identifier****Product Name** AF-0044**Other means of identification****Product Code(s)** AF-0044
Product Type Adhesive**Recommended use of the chemical and restrictions on use****Recommended Use** For industrial use only.
Uses advised against No information available**Details of the supplier of the safety data sheet****Supplier Address**Dural
550 Marshall Ave.
Dorval, PQ
Canada
H9P 1C9**Emergency telephone number****Company Phone Number** 800-361-2340
Emergency Telephone Number CANUTEC 613-996-6666**2. HAZARDS IDENTIFICATION****Classification****OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin sensitization	Category 1
Carcinogenicity	Category 1A

Label elements**Emergency Overview****Signal Word** Danger**Hazard Statements**May cause an allergic skin reaction
May cause cancer**Appearance** White**Physical State** Liquid**Odor** None**Precautionary Statements - Prevention**

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Wear protective gloves/protective clothing/eye protection/face protection
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing must not be allowed out of the workplace

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention
Specific treatment (see Section 4 on this SDS)
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice
IF ON SKIN: Wash with plenty of water and soap
If skin irritation or rash occurs: Get medical advice/attention
Wash contaminated clothing before reuse

Precautionary Statements - Storage

Keep from freezing

Precautionary Statements - Disposal

Dispose of in accordance with federal, state and local regulations

Hazards not otherwise classified (HNOC)

None under normal processing

Other Information

Unknown acute toxicity 2.09 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Components	CAS No.	Weight-%	Trade Secret
Limestone	1317-65-3	30-60	*
Attapulgite	12174-11-7	1-5%	*
1,2-Propylene glycol	57-55-6	1-5%	*
Quartz	14808-60-7	1-5%	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin Contact	Wash off immediately with soap and plenty of water. Take off contaminated clothing and wash before reuse. In the case of skin irritation or allergic reactions see a physician.
Inhalation	Remove to fresh air.
Ingestion	None under normal use conditions. Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician if necessary.
Notes to Physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Unsuitable Extinguishing Media

Specific test data for the substance or mixture is not available.

Specific Hazards Arising from the Chemical

Do not allow run-off from fire-fighting to enter drains or water courses. Dried product is capable of burning. Sealed containers may rupture when heated.

Explosion Data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Use personal protection equipment. Ensure adequate ventilation. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Cleaning Up Pick up and transfer to properly labeled containers. Prevent environmental discharge consistent with regulatory requirements. Disposal should be in accordance with applicable regional, national and local laws and regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes, skin and clothing.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a cool, well-ventilated place. Keep from freezing.

Incompatible Products Water-reactive materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Components	ACGIH TLV	OSHA PEL	NIOSH IDLH	AIHA - WEEL
Limestone 1317-65-3	-	TWA: 15 mg/m ³ TWA: 5 mg/m ³ (vacated) TWA: 15 mg/m ³ (vacated) TWA: 5 mg/m ³	TWA: 10 mg/m ³ TWA: 5 mg/m ³	-
Attapulgite 12174-11-7	TWA: 1 mg/m ³	-	-	-
1,2-Propylene glycol 57-55-6	TWA: 10 mg/m ³	-	-	10 mg/m ³ TWA
Quartz 14808-60-7	TWA: 0.025 mg/m ³	(vacated) TWA: 0.1 mg/m ³	IDLH: 50 mg/m ³ TWA: 0.05 mg/m ³	-

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Avoid contact with eyes. Eye protection.

Skin and Body Protection Wear protective gloves/protective clothing.

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Take off contaminated clothing and wash before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Odor	Odorless
Appearance	White	Odor Threshold	No data available
Color	White		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
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pH	Specific test data for the substance or mixture is not available	
Melting point / freezing point	No information available	
Boiling Point / Boiling Range	Specific test data for the substance or mixture is not available	
Flash Point	Specific test data for the substance or mixture is not available	
Evaporation Rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper Explosive Limits	Specific test data for the substance or mixture is not available	
Lower Explosive Limits	Specific test data for the substance or mixture is not available	
Vapor pressure	Negligible	
Vapor Density	Specific test data for the substance or mixture is not available	
Specific Gravity	>1.0	
Water Solubility	Miscible with water	
Solubility in other solvents	Specific test data for the substance or mixture is not available	
Partition coefficient	No information available	
Autoignition Temperature		
Decomposition Temperature	No information available	
Kinematic viscosity	No information available	
Dynamic viscosity	1.0 ± 0.1 MMcPs ("F" Tbar/2rpm/25°C)	
Explosive Properties	No information available	
Oxidizing Properties	No information available	

Other Information

Softening Point	Specific test data for the substance or mixture is not available
Solids	71.0 - 73.0 %

10. STABILITY AND REACTIVITY

Reactivity

None under normal processing

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

Excessive heat.

Incompatible Materials

Water-reactive materials.

Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating gases and vapors. Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation	May cause irritation of respiratory tract.
Eye Contact	Contact with eyes may cause irritation.
Skin Contact	Repeated exposure may cause skin dryness or cracking.
Ingestion	Not an expected route of exposure. May be harmful if swallowed.

Components	Oral LD50	Dermal LD50	Inhalation LC50
1,2-Propylene glycol 57-55-6	= 20 g/kg (Rat)	= 20800 mg/kg (Rabbit)	-
Quartz 14808-60-7	= 500 mg/kg (Rat)	-	-

Information on toxicological effects

Symptoms Specific test data for the substance or mixture is not available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.
Mutagenic Effects Specific test data for the substance or mixture is not available.
Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Components	ACGIH	IARC	NTP	OSHA
Attapulgit 12174-11-7	-	Group 2B Group 3	-	X
Quartz 14808-60-7	A2	Group 1	Known	X

Reproductive Toxicity No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Aspiration Hazard No information available.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	33,841.00
ATEmix (dermal)	1,386,666.00

12. ECOLOGICAL INFORMATION

Ecotoxicity

4.31665401 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Components	Algae/aquatic plants	Toxicity to Fish	Daphnia Magna (Water Flea)
1,2-Propylene glycol - 57-55-6	19000: 96 h Pseudokirchneriella subcapitata mg/L EC50	51600: 96 h Oncorhynchus mykiss mg/L LC50 static 41 - 47: 96 h Oncorhynchus mykiss mL/L LC50 static 51400: 96 h Pimephales promelas mg/L LC50 static 710: 96 h Pimephales promelas mg/L LC50	1000: 48 h Daphnia magna mg/L EC50 Static

Persistence and Degradability

No information available.

Bioaccumulation/Accumulation

No information available.

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal Methods

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging

Do not reuse empty containers.

14. TRANSPORT INFORMATION

DOT

Not regulated.

IATA

Not regulated.

IMDG/IMO

Not regulated.

15. REGULATORY INFORMATION

TSCA 8(b)

All components are listed or exempt

DSL

All components are listed or exempt

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

This product contains the following substances which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act:

Components	Weight-%	HAPS data
Styrene 100-42-5	<0.1%	Present
Ethylbenzene 100-41-4	<0.1%	Present
Dipropylene glycol monomethyl ether 34590-94-8	<0.1%	Present
Methyl alcohol 67-56-1	<0.1%	Present
Formaldehyde 50-00-0	<0.1%	Present
Acetaldehyde 75-07-0	<0.1%	Present
1,4-Dioxane 123-91-1	<0.1%	Present
Ethylene oxide	<0.1%	Present

75-21-8		
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CWA (Clean Water Act)

See information supplied by the manufacturer

CERCLA

See information supplied by the manufacturer

US State Regulations

California Proposition 65

This product contains (a) Proposition 65 chemical(s)

Components	California Proposition 65
Attapulgite - 12174-11-7	Carcinogen
Quartz - 14808-60-7	Carcinogen
Ethylbenzene - 100-41-4	Carcinogen
Methyl alcohol - 67-56-1	Developmental
Formaldehyde - 50-00-0	Carcinogen
Acetaldehyde - 75-07-0	Carcinogen
1,4-Dioxane - 123-91-1	Carcinogen
Ethylene oxide - 75-21-8	Carcinogen Developmental Female Reproductive Male Reproductive

U.S. EPA Label Information

EPA Pesticide Registration Number No data available

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

NFPA	Health Hazard 1	Flammability 0	Instability 0	Physical and Chemical Hazards -
HMIS / WHMIS	Health Hazard 1	Flammability 0	Physical hazards 0	Personal Precautions X

Revision Date 21-Sep-2016

Revision Note

No information available

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet