

**1. IDENTIFICATION**

**Product Identifier**

**Product Name** AF-0036 (FM-36)

**Other means of identification**

**Product Code(s)** 20-050-22

**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)

Carcinogenicity	Category 1A
Specific target organ toxicity (repeated exposure)	Category 1

**Label elements**

**Emergency Overview**

**Signal Word** Danger

**Hazard Statements**

May cause cancer



**Appearance** Light tan

**Physical State** Liquid

**Odor** Mild

**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  
Do not breathe dust/fume/gas/mist/vapors/spray  
Wash face, hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product

#### Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention  
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice  
IF ON SKIN: Gently wash with plenty of soap and water  
If skin irritation or rash occurs: Get medical advice/attention

#### 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 9.04754 % 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	15-30	*
Solvent naphtha, petroleum, medium aliphatic	64742-88-7	1-5%	*
Attapulgate	12174-11-7	1-5%	*
1,2-Propylene glycol	57-55-6	1-5%	*
Quartz	14808-60-7	<1.0%	*
Diethanolamine	111-42-2	<1.0%	*

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

### 4. FIRST AID MEASURES

#### Description of first aid measures

<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin Contact</b>	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.
<b>Inhalation</b>	Remove to fresh air.
<b>Ingestion</b>	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.
<b>Notes to Physician</b>	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 <sup>3</sup> TWA: 5 mg/m <sup>3</sup> (vacated) TWA: 15 mg/m <sup>3</sup> (vacated) TWA: 5 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>	-
Attapulgite 12174-11-7	TWA: 1 mg/m <sup>3</sup>	-	-	-
1,2-Propylene glycol 57-55-6	TWA: 10 mg/m <sup>3</sup>	-	-	10 mg/m <sup>3</sup> TWA
Quartz 14808-60-7	TWA: 0.025 mg/m <sup>3</sup>	(vacated) TWA: 0.1 mg/m <sup>3</sup>	IDLH: 50 mg/m <sup>3</sup> TWA: 0.05 mg/m <sup>3</sup>	-
Diethanolamine 111-42-2	TWA: 1 mg/m <sup>3</sup> Skin	(vacated) TWA: 3 ppm (vacated) TWA: 15 mg/m <sup>3</sup>	TWA: 3 ppm TWA: 15 mg/m <sup>3</sup>	-

**Appropriate engineering controls**

**Engineering Measures**

Showers  
Eyewash stations  
Ventilation systems.

**Individual protection measures, such as personal protective equipment**

<b>Eye/Face Protection</b>	Avoid contact with eyes. Eye protection.
<b>Skin and Body Protection</b>	Wear protective gloves/protective clothing.
<b>Respiratory Protection</b>	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.
<b>Hygiene Measures</b>	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**

<b>Physical State</b>	Liquid	<b>Odor</b>	Mild
<b>Appearance</b>	Light tan	<b>Odor Threshold</b>	No data available
<b>Color</b>	Light tan		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	6.5 - 7.5	
<b>Melting point / freezing point</b>	No information available	
<b>Boiling Point / Boiling Range</b>	Specific test data for the substance or mixture is not available	
<b>Flash Point</b>	Specific test data for the substance or mixture is not available	
<b>Evaporation Rate</b>	No information available	
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limit in Air</b>		
<b>Upper Explosive Limits</b>	Specific test data for the substance or mixture is not available	
<b>Lower Explosive Limits</b>	Specific test data for the substance or mixture is not available	
<b>Vapor pressure</b>	Negligible	
<b>Vapor Density</b>	Specific test data for the substance or mixture is not available	
<b>Specific Gravity</b>	1.25	
<b>Water Solubility</b>	Miscible with water	
<b>Solubility in other solvents</b>	Specific test data for the substance or mixture is not available	
<b>Partition coefficient</b>	No information available	
<b>Autoignition Temperature</b>		
<b>Decomposition Temperature</b>	No information available	
<b>Kinematic viscosity</b>	No information available	
<b>Dynamic viscosity</b>	60,000 - 70,000 cps	
<b>Explosive Properties</b>	No information available	
<b>Oxidizing Properties</b>	No information available	

**Other Information**

<b>Softening Point</b>	Specific test data for the substance or mixture is not available
<b>Solids</b>	54.0 - 56.0 %

**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**

Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

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

Components	Oral LD50	Dermal LD50	Inhalation LC50
Solvent naphtha, petroleum, medium aliphatic 64742-88-7	> 25 mL/kg ( Rat )	> 3000 mg/kg ( Rabbit )	> 13 mg/L ( Rat ) 4 h
1,2-Propylene glycol 57-55-6	= 20 g/kg ( Rat )	= 20800 mg/kg ( Rabbit )	-
Quartz 14808-60-7	= 500 mg/kg ( Rat )	-	-
Diethanolamine 111-42-2	= 0.62 mL/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
Attapulgate 12174-11-7	-	Group 2B Group 3	-	X
Quartz 14808-60-7	A2	Group 1	Known	X
Diethanolamine 111-42-2	A3	Group 2B	-	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 (dermal)** 52,355.00

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

11.568735686 % 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)
Solvent naphtha, petroleum, medium aliphatic - 64742-88-7	450: 96 h Pseudokirchneriella subcapitata mg/L EC50	800: 96 h Pimephales promelas mg/L LC50 static	100: 48 h Daphnia magna mg/L EC50
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
Diethanolamine - 111-42-2	7.8: 72 h Desmodosmus	4460 - 4980: 96 h Pimephales	55: 48 h Daphnia magna mg/L

	subspicatus mg/L EC50 2.1 - 2.3: 96 h Pseudokirchneriella subcapitata mg/L EC50	promelas mg/L LC50 flow-through 1200 - 1580: 96 h Pimephales promelas mg/L LC50 static 600 - 1000: 96 h Lepomis macrochirus mg/L LC50 static	EC50
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**Persistence and Degradability**

No information available.

**Bioaccumulation/Accumulation**

No information available.

Components	log Pow
Diethanolamine 111-42-2	-2.18

**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**

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**

<b>Acute Health Hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	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
Diethanolamine 111-42-2	<1.0%	Present
Styrene 100-42-5	<0.1%	Present
1,3-Butadiene 106-99-0	<0.1%	
Acetaldehyde 75-07-0	<0.1%	Present
1,4-Dioxane 123-91-1	<0.1%	Present
Ethylene oxide 75-21-8	<0.1%	Present

**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) Ethyl Benzene is a volatile impurity in Styrene and trace levels may be present in any Styrene based material

Components	California Proposition 65
Attapulgate - 12174-11-7	Carcinogen
Quartz - 14808-60-7	Carcinogen
Diethanolamine - 111-42-2	Carcinogen
1,3-Butadiene - 106-99-0	Carcinogen Developmental Female Reproductive Male Reproductive
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**

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

**Prepared By** Verified by Quality Control Department

**Revision Date** 09-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**