

1. IDENTIFICATION

Product Identifier

Product Name AF-3490 Pressure Sensitive Adhesive / AF-3490 Adhésif autocollant

Other means of identification

Product Code(s) YAF3490-D
Alternate Product Code(s) AF3490-015, AF3490-378, AF3490-950
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

Company Phone Number

800-361-2340

Emergency telephone number

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)

WHMIS Statement

Classification complies with Canadian Hazardous Products Regulations (WHMIS 2015).

Skin sensitization	Category 1A
Carcinogenicity	Category 2

Label elements

Emergency Overview

Signal Word Warning

Hazard Statements

May cause an allergic skin reaction. Suspected of causing cancer.



Appearance White

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. 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

8.1416 % 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	10 - 30	*
Distillates, petroleum, hydrotreated heavy naphthenic	64742-52-5	5 - 13	*
Triethanolamine	102-71-6	1 - 5	*
1,2-Propylene glycol	57-55-6	0.1 - 1.0	*
Rosin	8050-09-7	0.1 - 1.0	*
2-(Dimethylamino)ethanol	108-01-0	0.1 - 1.0	*
Diethanolamine	111-42-2	0.1 - 1.0	*

*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	-
Distillates, petroleum,	TWA: 5 mg/m ³	TWA: 5 mg/m ³	IDLH: 2500 mg/m ³	-

hydrotreated heavy naphthenic 64742-52-5		(vacated) TWA: 5 mg/m ³	TWA: 5 mg/m ³ STEL: 10 mg/m ³	
Triethanolamine 102-71-6	TWA: 5 mg/m ³	-	-	-
1,2-Propylene glycol 57-55-6	TWA: 10 mg/m ³	-	-	10 mg/m ³ TWA
Rosin 8050-09-7	-	(vacated) TWA: 0.1 mg/m ³	TWA: 0.1 mg/m ³	-
Diethanolamine 111-42-2	TWA: 1 mg/m ³ Skin	(vacated) TWA: 3 ppm (vacated) TWA: 15 mg/m ³	TWA: 3 ppm TWA: 15 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	Mild
Appearance	White	Odor Threshold	No data available
Color	Beige		
Property	Values	Remarks • Method	
pH	8.5	Range: 8 - 9	
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	1.08		
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	10500 - 12500 cps		@ 25 °C
Explosive Properties	No information available		
Oxidizing Properties	No information available		

Other Information

Softening Point Solids Specific test data for the substance or mixture is not available
56 - 58 %

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. May cause sensitization by skin contact.
Ingestion	Not an expected route of exposure. May be harmful if swallowed.

Components	Oral LD50	Dermal LD50	Inhalation LC50
Distillates, petroleum, hydrotreated heavy naphthenic 64742-52-5	> 5000 mg/kg (Rat) > 24 g/kg (Rat)	> 2000 mg/kg (Rabbit)	= 2062 ppm (Rat) 4 h
Triethanolamine 102-71-6	= 4190 mg/kg (Rat)	> 16 mL/kg (Rat) > 20000 mg/kg (Rabbit)	-
1,2-Propylene glycol 57-55-6	= 20 g/kg (Rat)	= 20800 mg/kg (Rabbit)	-
Rosin 8050-09-7	= 3 mg/kg (Rat) = 7600 mg/kg (Rat)	> 2500 mg/kg (Rabbit)	= 1.5 mg/L (Rat) 4 h
2-(Dimethylamino)ethanol 108-01-0	= 1803 mg/kg (Rat)	= 1220 mg/kg (Rabbit) = 1370 µL/kg (Rabbit)	= 1641 ppm (Rat) 4 h
Diethanolamine 111-42-2	= 620 µL/kg (Rat) = 780 mg/kg (Rat)	= 11.9 mL/kg (Rabbit) = 7640 µL/kg (Rabbit)	-

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 May cause sensitization in susceptible persons.

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
Distillates, petroleum, hydrotreated heavy naphthenic 64742-52-5	A2	Group 1	Known	X
Triethanolamine 102-71-6	-	Group 3	-	-

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) 39,185.00

12. ECOLOGICAL INFORMATION

Ecotoxicity

0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Persistence and Degradability

No information available.

Bioaccumulation/Accumulation

No information available.

Components	log Pow
Triethanolamine 102-71-6	-2.53
2-(Dimethylamino)ethanol 108-01-0	-0.55
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 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 contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372. None present above the reporting threshold.

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
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
Diethanolamine 111-42-2	0.1 - 1.0	Present
Naphthalene 91-20-3	< 0.1%	Present
Vinyl acetate 108-05-4	< 0.1%	Present
Ethyl acrylate 140-88-5	< 0.1%	Present
Styrene 100-42-5	< 0.1%	Present
Formaldehyde 50-00-0	< 0.1%	Present
Acrylic acid 79-10-7	< 0.1%	Present
1,4-Dioxane 123-91-1	< 0.1%	Present
1,3-Butadiene 106-99-0	< 0.1%	
Acetaldehyde 75-07-0	< 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

WARNING: This product can expose you to one or more chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm. For more information go to www.P65Warnings.ca.gov. See section 3 of the SDS for Proposition 65 substances present at or above 0.1 weight percent. Please contact the Regulatory Department if additional information is required.

U.S. EPA Label Information

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

<u>NFPA</u>	Health Hazard 2	Flammability 0	Instability 0	Physical and Chemical Hazards -
<u>HMIS</u>	Health Hazard 2*	Flammability 0	Physical hazards 0	Personal Precautions X

Revision Date
Revision Note

22-Aug-2019

No information available

Disclaimer

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of Safety Data Sheet