

AD-888 A Two Part Epoxy Nose Filler

Safety Data Sheet (SDS)

According to US Code of Federal Regulations 29 CFR 1910.1200, Hazard Communication

SECTION 1 - IDENTIFICATION

PRODUCT NAME: AD-888 A Two Part Epoxy Nose Filler
PRODUCT NUMBER: AD-888
PRODUCT FORM: Mixture

Manufacturer or supplier's details

Company name of supplier Mohawk Group
Address American Biltrite (Canada) LTD
200 Bank Street, Sherbrooke, Québec J1H4K3
Telephone 800.833.6954
Emergency telephone Canada: CANUTEC 1-613-996-6666 USA: CHEM TEL 1-800-255-3924

SECTION 2 - HAZARDS IDENTIFICATION

GHS CLASSIFICATION, Not classified

GENERAL DESCRIPTION OF HAZARDS:

GHS LABEL ELEMENTS, Observe general safety regulations when handling chemicals. The product is not subject to labeling requirements under EU Directive 1999/45/EC (Classification, packaging and labeling of dangerous preparations).

HAZARD STATEMENTS (GHS-US)

H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.

PRECAUTIONARY STATEMENTS (GHS-US)

P261 - Avoid breathing vapors, mist, or spray.
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, protective clothing, and eye protection.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

OTHER HAZARDS

Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions. Flammable vapors can accumulate in head space of closed systems.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

MIXTURE		MIXTURE
Name	Product Identifier	% (W/W)
Bisphenol A-epichlorohydrin polymer	(CAS No) 25068-38-6	10-30
Trimethylolpropane triacrylate	(CAS No) 15625-89-5	10-30
Quartz*	(CAS No) 14808-60-7	0.1-1.0

*This product contains a material that may be hazardous when present as an airborne dust. Since this product is in a liquid form, the material is not able to become airborne and cannot be inhaled. Thus, the hazards usually associated with this material are not applicable to this product.

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SECTION 4 - FIRST AID MEASURES

Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).

Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.

Skin Contact: Remove contaminated clothing. Drench affected area with water or soap and water for at least 15 minutes. Wash contaminated clothing before reuse. Obtain medical attention if irritation develops or persists.

Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Obtain medical attention if irritation persists.

Ingestion: Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

Most Important Symptoms and Effects Both Acute and Delayed

General: Causes eye irritation. Causes skin irritation. May cause an allergic skin reaction.

Inhalation: May cause respiratory irritation.

Skin Contact: Causes skin irritation. Symptoms may include: Redness, pain, swelling, itching, burning, dryness, and dermatitis. May cause an allergic skin reaction.

Eye Contact: Causes serious eye damage. Symptoms may include: Redness, pain, swelling, itching, burning, tearing, and blurred vision.

Ingestion: Not available

Chronic Symptoms: None expected.

Indication of Any Immediate Medical Attention and Special Treatment Needed

If you feel unwell, seek medical advice (show the label where possible).

SECTION 5 - FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

Special Hazards Arising From the Substance or Mixture

Fire Hazard: Potentially violent decomposition can occur above 350 °C.

Explosion Hazard: Product is not explosive but if hazardous polymerization occurs can have an oxidizing effect that could lead to fire and possible explosion.

Reactivity: Hazardous reactions may occur on contact with certain chemicals. Refer to incompatible materials.

Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.

Firefighting Instructions: Use water spray or fog for cooling exposed containers. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Under fire conditions this material may produce hazardous carbon dioxide (CO₂), carbon monoxide (CO), various low molecular weight hydrocarbons, and smoke.

Reference to Other Sections

Refer to section 9 for flammability properties.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid all contact with skin, eyes, or clothing. Avoid breathing vapor, mist, or spray. Use only outdoors or in a well-ventilated area.

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

Environmental Precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Do not take up in combustible material such as: saw dust or cellulosic material.

Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill. Use only non-sparking tools.

Reference to Other Sections

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

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SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Additional Hazards When Processed: The substance will polymerize due to heating, on contact with peroxides, and under the influence of light. Heating may cause violent combustion or explosion producing acrid smoke. The substance may also spontaneously polymerize if it is not stabilized. Product to be handled in a closed system and under strictly controlled conditions.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Technical Measures: Any proposed use of this product in elevated-temperature processes should be thoroughly evaluated to assure that safe operating conditions are established and maintained.

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep in fireproof place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Materials: Strong acids, strong bases, strong oxidizers. Amines. Fluorine. Ammonium salts.

SPECIFIC END USE(S):

No use is specified.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government

Quartz (14808-60-7)

USA ACGIH	ACGIH TWA (mg/m ³)	0.025 mg/m ³ (respirable fraction)
USA ACGIH	ACGIH chemical category	A2 - Suspected Human Carcinogen
USA OSHA	OSHA PEL (STEL) (mg/m ³)	250 mppcf/%SiO ₂ +5, 10mg/m ³ /%SiO ₂ +2
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	0.05 mg/m ³ (respirable dust)
USA IDLH	US IDLH (mg/m ³)	50 mg/m ³ (respirable dust)
Alberta	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate)
British Columbia	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable)
Manitoba	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable fraction)
New Brunswick	OEL TWA (mg/m ³)	0.1 mg/m ³ (respirable fraction)
Newfoundland & Labrador	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable fraction)
Nova Scotia	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable fraction)
Nunavut	OEL TWA (mg/m ³)	0.1 mg/m ³ (respirable mass)
Northwest Territories	OEL TWA (mg/m ³)	0.1 mg/m ³ (respirable mass)
Ontario	OEL TWA (mg/m ³)	0.10 mg/m ³ (designated substances regulation-respirable)
Prince Edward Island	OEL TWA (mg/m ³)	0.025 mg/m ³ (respirable fraction)
Québec	VEMP (mg/m ³)	0.1 mg/m ³ (respirable dust)
Saskatchewan	OEL TWA (mg/m ³)	0.05 mg/m ³ (respirable fraction)
Yukon	OEL TWA (mg/m ³)	300 particle/mL

EXPOSURE CONTROLS:

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure, but are not required. Product to be handled under strictly controlled conditions. Ensure all national/local regulations are observed. Gas detectors should be used when toxic gases may be released. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits.

Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical safety goggles.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

Consumer Exposure Controls: Do not eat, drink or smoke during use.



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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE (physical state, color, etc.):	Paste – Viscous Liquid - Beige Thick Liquid
ODOR:	Odorless
ODOR THRESHOLD:	N/D
pH	N/A
MELTING POINT, FREEZING POINT (°C):	32°F, 32°F
INITIAL BOILING POINT AND BOILING RANGE (°C):	> 392 °F (200 °C)
FLASH POINT (°C) / METHOD:	> 200 °F (93 °C) (Setaflash method)
EVAPORATION RATE:	N/A
FLAMMABILITY (SOLID, GAS):	N/D
UPPER FLAMMABILITY OR EXPLOSIVE LIMITS:	N/D
LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:	N/D
VAPOR PRESSURE (mm of Hg):	N/A
VAPOR DENSITY (Air=1):	N/A
SPECIFIC GRAVITY (H2O=1):	1.4
SOLUBILITY IN WATER (%):	Insoluble
PARTITION COEFFICIENT: N-OCTANOL / WATER:	N/D
AUTO-IGNITION TEMPERATURE (°C):	N/A
DECOMPOSITION TEMPERATURE (°C):	N/D
VISCOSITY:	Approximately 72,000 cps
VOC:	<12 g/L (<0.1 lbs/gal)

SECTION 10 - STABILITY AND REACTIVITY

REACTIVITY:	Hazardous reactions may occur on contact with certain chemicals. Refer to incompatible materials.
CHEMICAL STABILITY:	Stable under recommended handling and storage conditions (see section 7).
POSSIBILITY OF HAZARDOUS REACTIONS:	Hazardous polymerization may occur upon contact with heat or incompatible materials.
CONDITIONS TO AVOID:	Direct sunlight. Extremely high or low temperatures. Ignition sources. Incompatible materials
INCOMPATIBLE MATERIALS:	Strong acids, strong bases, strong oxidizers. Amines. Fluorine. Ammonium salts
HAZARDOUS DECOMPOSITION PRODUCTS:	Under fire conditions this material may produce hazardous carbon dioxide (CO ₂), carbon monoxide (CO), various low molecular weight hydrocarbons, and smoke.

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SECTION 11 - TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product

Acute Toxicity: Not classified
LD50 and LC50 Data: Not available
Skin Corrosion/Irritation: Causes skin irritation.
Serious Eye Damage/Irritation: Causes serious eye irritation.
Respiratory or Skin Sensitization: May cause an allergic skin reaction.
Germ Cell Mutagenicity: Not classified
Teratogenicity: Not classified
Carcinogenicity: Not classified
Specific Target Organ Toxicity (Repeated Exposure): Not classified
Reproductive Toxicity: Not classified
Specific Target Organ Toxicity (Single Exposure): Not classified
Aspiration Hazard: Not classified
Symptoms/Injuries After Inhalation: May cause respiratory irritation.
Symptoms/Injuries After Skin Contact: Causes skin irritation. Symptoms may include: Redness, pain, swelling, itching, burning, dryness, and dermatitis. May cause an allergic skin reaction.
Symptoms/Injuries After Eye Contact: Causes serious eye damage. Symptoms may include: Redness, pain, swelling, itching, burning, tearing, and blurred vision.
Chronic Symptoms: None expected.

Information on Toxicological Effects - Ingredient(s)

LD50 And LC50 Data:

Bisphenol A-epichlorohydrin polymer (25068-38-6)	
LD50 Oral Rat	> 2000 mg/kg
LD50 Dermal Rat	> 2000 mg/kg
Trimethylolpropane triacrylate (15625-89-5)	
LD50 Dermal Rabbit	5000 mg/kg
Quartz (14808-60-7)	
LD50 Oral Rat	5000 mg/kg
LD50 Dermal Rat	5000 mg/kg
Quartz (14808-60-7)	
IARC Group	1
National Toxicology Program (NTP) Status	Known Human Carcinogens.

SECTION 12 - ECOLOGICAL INFORMATION

Bisphenol A-epichlorohydrin polymer (25068-38-6)	
LOEC (acute)	1 mg/l Daphnia magna
NOEC chronic crustacea	0.3 mg/l Daphnia magna

ECOTOXICITY (aquatic and terrestrial):

No further relevant information available.

TOXICITY:

Ecology - General: Harmful to aquatic life. Toxic to aquatic life with long lasting effects.

PERSISTENCE AND DEGRADABILITY:

N/A

BIOACCUMULATIVE POTENTIAL:

No further relevant information available.

MOBILITY IN SOIL:

No further relevant information available.

OTHER ADVERSE EFFECTS:

Product is free of solvents, chlorine and heavy metals. No further relevant information available.

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SECTION 13 - DISPOSAL CONSIDERATIONS

SEWAGE DISPOSAL RECOMMENDATIONS:	This material is hazardous to the aquatic environment. Keep out of sewers and waterways.
WASTE DISPOSAL RECOMMENDATIONS:	Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.
ECOLOGY – WASTE MATERIALS:	Avoid release to the environment.

SECTION 14 - TRANSPORT INFORMATION

UN NUMBER:	Void
UN PROPER SHIPPING NAME:	N/A
TRANSPORT HAZARD CLASS:	N/A
PACKING GROUP:	N/A
ENVIRONMENTAL HAZARDS:	N/A
TRANSPORT IN BULK:	N/A
SPECIAL PRECAUTIONS CONCERNING INTERNAL OR EXTERNAL TRANSPORTATION OR TRANSFER:	N/A

SECTION 15 - REGULATORY INFORMATION

US Federal Regulations

SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
Bisphenol A-epichlorohydrin polymer (25068-38-6) Listed on the United States TSCA (Toxic Substances	
Quartz (14808-60-7) Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Trimethylolpropane triacrylate (15625-89-5) Listed on the United States TSCA (Toxic Substances Control Act) inventory	

US State Regulations

Proposition 65 – WARNING: This product can expose you to chemicals including Phenyl Glycidic Ether (CAS# 122-60-1) which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

US Federal Regulations

Quartz (14808-60-7)
U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
Canadian Regulations
Bisphenol A-epichlorohydrin polymer (25068-38-6) Listed on the Canadian DSL (Domestic Substances List)
Quartz (14808-60-7) Listed on the Canadian DSL (Domestic Substances List) Listed on the Canadian IDL (Ingredient Disclosure List)
IDL Concentration 1 %
Trimethylolpropane triacrylate (15625-89-5) Listed on the Canadian DSL (Domestic Substances List)

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This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

SECTION 16 - OTHER INFORMATION

GHS Full Text Phrases:

H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

North America GHS US 2012 & WHMIS 2