

SAFETY DATA SHEET

Precious Metals Armor - Part B

MSDS DATE: 01/2022

SECTION 1: IDENTIFICATION

PRODUCT NAME: PRECIOUS METALS ARMOR - PART B

RECOMMENDED USE AND RESTRICTIONS ON USE

Guard/Sealer/Coating for commercial/industrial/consumer applications

COMPANY IDENTIFICATION

Manufacturer:

A.T.G., Inc.
1407 North Grand, Columbia, MO 65203

Supplier / Distributor:

Native Trails
34 Zaca Ln..
San Luis Obispo, CA 93401
800-786-0862

EMERGENCY PHONE: 1-800-424-9300 (CHEMTREC)

SECTION 2: HAZARDS IDENTIFICATION

GHS HAZARD CLASSIFICATION:

Acute Toxicity(inhalation): Category 4

Respiratory Sensitization: Category 1

Skin Sensitization: Category 1

Specific target organ toxicity - Category 3 (Respiratory system)

Single exposure:

Specific target organ toxicity - Category 2 (Lungs)



SIGNAL WORD: DANGER

HAZARD STATEMENTS:

May cause an allergic skin reaction.

Harmful if inhaled.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause respiratory irritation.

May cause damage to organs (lungs) through prolonged or repeated exposure if inhaled.

PRECAUTIONARY STATEMENTS:

Do not breathe mist, gas, vapors or spray. Use in well-ventilated area. Wear protective gloves. In case of inadequate ventilation, wear respiratory protection. (See section 8).

RESPONSE: see section 4

OTHER CLASSIFICATIONS:

HMIS Hazard Rating:	Health 3	Fire 1	Reactivity 1
NFPA Rating:	Health 3	Fire 1	Reactivity 1

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

<u>MATERIAL</u>	<u>%</u>	<u>CAS No.</u>	<u>TLV(units)</u>	<u>HAZARD</u>
Aliphatic Polyisocyanate Trimer	~98.1	Trade Secret	See Section 2	See Section 2
Organo Silane active	1.8	Trade Secret	See Section 2	See Section 2
Hexamethylene Diisocyanate	~ 0.1	822-06-0	See Section 2	See Section 2

SECTION 4: FIRST AID MEASURES

INGESTION:

Do NOT induce vomiting. Wash out mouth with water. Do not give anything by mouth to an unconscious person. Get medical attention.

SKIN CONTACT:

May cause skin irritation with symptoms of reddening, itching and swelling. Can cause sensitization. Immediately remove contaminated clothing and wash skin with soap and water for 5 or more minutes. Use lukewarm water if possible. Wash clothing before reuse. Discard contaminated leather articles. Get medical attention if irritation develops and persists.

SAFETY DATA SHEET

Precious Metals Armor - Part B

MSDS DATE: 01/2022

SECTION 4: FIRST AID MEASURES (Cont.)

INHALATION:

Vapors or mist at concentrations above the exposure limits can irritate (burning sensation) the mucous membranes in the respiratory tract (nose, throat, lungs) with symptoms of runny nose, sore throat, coughing, chest discomfort, shortness of breath and reduced lung function (breathing difficulty). Persons with preexisting bronchial conditions may respond with asthma attack or asthma like symptoms to lower concentrations. Remove to fresh air and get medical attention if irritation of respiratory passage or distress occurs. Administer oxygen or artificial respiration as needed.

EYE CONTACT:

Immediately flush eyes thoroughly with water and continue washing for at least 15 minutes. Use lukewarm water if possible. Then remove contact lenses if easily removable and continue eye irrigation for not less than 15 minutes. Obtain medical attention, preferably from an ophthalmologist, if irritation develops.

NOTES TO PHYSICIAN:

Eyes: Stain for evidence of corneal injury. If cornea is burned, instill antibiotic/steroid preparation as needed. Skin: Treat symptomatically as for contact dermatitis or thermal burn. Ingestion: Treat symptomatically. There is no specific antidote. Inducing vomiting is contraindicated because of the irritation nature of the compound. Inhalation: Treatment is essentially symptomatic.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT (test method(s)): >185° C. (DIN EN 22719)

FLAMMABLE LIMITS IN AIR, by volume:

LOWER: No data

UPPER: No data

EXTINGUISHING MEDIA:

Use foam, carbon dioxide or dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES:

Use positive pressure, NIOSH approved self-contained breathing apparatus and full protective clothing. Avoid contact with product. Decontaminate equipment and protective clothing prior to reuse. During a fire, isocyanate vapors and other irritating toxic gases may be generated by thermal decomposition or combustion.

HAZARDOUS DECOMPOSITION PRODUCTS:

By fire and high heat: Carbon dioxide, carbon monoxide, oxides of nitrogen, dense black smoke, hydrogen cyanide, isocyanate, isocyanic acid, other undetermined compounds.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Will burn under fire conditions. Use cold water spray to cool fire-exposed containers to minimize risk of rupture. Emits toxic, corrosive fumes under fire conditions..

SECTION 6: ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Wear appropriate personal protective equipment. Ventilate and remove ignition sources. Dike spill with earth, sand or clay. Collect and contain contaminated absorbent and dike material from large spills into suitable container. Clean up spill area with a decontaminating solution made up of 50% isopropanol, 45% water and 5% concentrated ammonia solution (% by weight). The solution should cover the area for at least one hour. Absorb with inert absorbent. Collect washings for disposal. Wipe small spills with absorbent material. Do not flush to drain. Dispose of in accordance with appropriate federal, state and local regulations. Decontaminate the area using a neutralization solution.

SECTION 7: HANDLING AND STORAGE

WARNING:

Do not breathe mist, gas, vapors or spray. Use in well-ventilated area. In case of inadequate ventilation, wear respiratory protection. Warning properties (irritation of eyes, nose and throat) are not adequate to prevent overexposure from inhalation. May be harmful if inhaled or swallowed. May be harmful if swallowed. May cause eye and skin irritation. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep out of reach of children..

FOR INDUSTRY USE ONLY

SUBSTANCES to AVOID: Water, amines, strong bases, alcohols, copper alloys

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

SAFETY DATA SHEET

Precious Metals Armor - Part B

MSDS DATE: 01/2022

TLV, WEEL AND SOURCES:

Aliphatic Polyisocyanate Trimer 1 mg/cu m TWA (RPI)
HDI 0.034 mg/cu m TWA (ACGIH) 0.005ppm TWA (ACGIH)

Any component which is listed in section 3 and is not listed in this section does not have a known ACGIH, TLV, OSHA PEL or supplier recommended occupational exposure limit.

AFFECT OF SINGLE EXPOSURE

INHALATION:

May be harmful if inhaled.

SKIN CONTACT:

Brief contact is not irritating.

EYE CONTACT:

May be irritating to eyes.

EFFECTS OF REPEATED OVEREXPOSURE:

Prolonged skin contact may cause irritation.

OTHER EFFECTS OF OVEREXPOSURE:

None currently known.

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:

Preexisting eye, skin and respiratory disorders.

SIGNIFICANT LABORATORY DATA WITH POSSIBLE RELEVANCE TO HUMAN HEALTH HAZARD EVALUATION

None

RESPIRATORY PROTECTION (specify type):

Use NIOSH/OSHA approved for use against organic vapors if material is sprayed.

VENTILATION:

Use local exhaust ventilation; high ventilation when spraying.

PROTECTIVE GLOVES:

Chemical resistant gloves for direct handling.

EYE PROTECTION:

Safety glasses.

OTHER PROTECTIVE EQUIPMENT:

Eye bath.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT :

decomposition (decomposition temp 181°C; 357°F).

SPECIFIC GRAVITY (H2O = 1) :

~1.15

FREEZING POINT :

No data available

VAPOR PRESSURE AT 20°C:

Not determined, low volatility

VAPOR DENSITY AT ONE ATM, 20°C (air = 1) :

No data available

EVAPORATION RATE AT 20°C. (but. acet. = 1) :

<1

SOLUBILITY IN WATER by wt :

insoluble – reacts slowly

SELF IGNITION:

Not applicable

APPEARANCE AND ODOR :

mostly clear liquid, slight aromatic odor

pH:

no data available

V.O.C. (g/l):

0

SAFETY DATA SHEET

Precious Metals Armor - Part B

MSDS DATE: 01/2022

SECTION 10: STABILITY AND REACTIVITY

HAZARDOUS REACTIONS:

Contact with moisture, other materials that react with isocyanates, or temperatures above 350°F (177C)

STABILITY:

Stable under normal conditions of use and storage

CONDITIONS TO AVOID:

Extreme heat. Open flame. Moisture. Ignition sources

INCOMPATIBILITY (materials to avoid):

Water, strong bases, alcohols, amines, copper alloys

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS:

Under fire conditions: oxides of nitrogen, oxides of carbon, dense black smoke, hydrogen cyanide, isocyanate, isocyanic acid, other undetermined compounds.

HAZARDOUS POLYMERIZATION:

May occur. To inhibit hazardous polymerization, avoid conditions/chemicals above

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICITY DATA ON THE PRODUCT:

Not available

HEALTH EFFECTS OF SINGLE OVEREXPOSURE

SWALLOWING:

Product may be harmful if swallowed.

SKIN ABSORPTION: Irritant.

May be harmful if absorbed through the skin. May cause allergic reaction.

INHALATION:

May be harmful if inhaled. May cause shortness of breath, headache, nausea, vomiting, respiratory tract irritation.

SKIN CONTACT:

Brief contact is not irritating.

EYE CONTACT:

May be irritating to eyes.

EFFECTS OF REPEATED OVEREXPOSURE:

Prolonged skin contact may cause irritation.

OTHER EFFECTS OF OVEREXPOSURE:

None currently known.

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:

Preexisting eye, skin and respiratory disorders.

SIGNIFICANT LABORATORY DATA with POSSIBLE RELEVANCE to HUMAN HEALTH HAZARD EVALUATION

None

ALSO SEE SECTION 4.

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL TOXICITY:

No data available for this product

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

Do not flush to drain. Dispose of in accordance with appropriate federal, state and local regulations. This is not EPA hazardous waste.

SECTION 14: TRANSPORT INFORMATION

LAND TRANSPORT:

Not Regulated

SAFETY DATA SHEET

Precious Metals Armor - Part B

MSDS DATE: 01/2022

SECTION 14: TRANSPORT INFORMATION (Cont.)

AIR TRANSPORT:

Not Regulated

SEA TRANSPORT:

Not Regulated

TSCA INVENTORY STATUS:

The ingredients of this product are listed on the TSCA inventory.

SECTION 15: REGULATORY INFORMATION

STATUS ON SUBSTANCE LISTS:

Concentrations shown are maximum or ceiling levels (weight %) to be used for calculations for regulations.

FEDERAL EPA

CERCLA:

Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of Hazardous Substances equal to or greater than the reportable quantities (RQs) in 40 CFR 302.4.

Components present in this product at a level which could require reporting under the statute are:

None

SARA 311 and 312:

Acute Health Hazard

US EPA EMERGENCY PLANNING AND COMMUNITY RIGHT TO KNOW ACT (EPCRA) SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS (40 CFR 355, APPENDIX A) COMPONENTS:

None

US EPA EMERGENCY PLANNING AND COMMUNITY RIGHT TO KNOW ACT (EPCRA) SARA TITLE III SECTION 313 TOXIC CHEMICALS (40 CFR 372.65) SUPPLIER NOTIFICATION REQUIRED COMPONENTS

None

US EPA RCRA Composite List of Hazardous Wastes and Appendix VIII Hazardous Constituents

(40CFR 216) Under RCRA it is the responsibility of the person who generates a solid waste, as defined in 40 CFR 261.2 to determine that waste is a hazardous waste.

STATE RIGHT-TO-KNOW:

CALIFORNIA Proposition 65:

This product contains no levels of listed substances, which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute.

The ingredients of this product are listed on the EPA/TSCA inventory. No substances are subject to TSCA 12(b) export notification requirements.

SECTION 16: OTHER INFORMATION

The information contained in this Safety Data Sheet is offered in good faith as typical values and not as product specification(s); and is accurate and current to the best of Native Trail's Inc. knowledge. No warranty, expressed or implied is made. Information is offered solely for recipient's consideration, investigation and verification and should be reviewed by recipient in the context of intended product use. Buyer/user/recipient assumes the risk in use of the Material; and it is the responsibility of said entity(ies) to determine the suitability and completeness of information; to ensure proper use, and safety/health; and to determine that use is in accordance with applicable federal, state and local laws and regulations.