



ANTI-SEIZE TECHNOLOGY
A.S.T. Industries, Inc.

AST PVR™ SAFETY DATA SHEET

Section 1- Product and Company Identification

Product Code: 17052

THIS PRODUCT, AST PVR IS NOT AND CANNOT BE DISTRIBUTED IN COMMERCE (AS DEFINED IN TSCA SECTION 3 (5) OR PROCESSED (AS DEFINED IN TSCA SECTION 3(13) FOR CONSUMER PAINT OR COATING REMOVAL.

Manufacture/Supplier : Anti-Seize Technology
2345 N. 17th Ave.
Franklin Park, IL 60131

Phone: 847-455-2300

Fax: 847-455-2371

Web: antiseize.com

Emergency Phone, 24 hr: Infotrac @ 1-800-535-5053 (US & Canada)

1-352-323-3500 (International)

Web: infotrac.net

Restriction of Use: Use only as directed

Date: August 5, 2019

Section 2-Hazard Identification

GHS Classification (Hazcom 2012):

Aerosol—Category 1

Carcinogenicity—Category 1B

Eye Irritation – Category 2A

Gas under pressure, compressed gas

Germ cell Mutagenicity – Category 1B

Skin irritation – Category 2

Specific Target Organ Toxicity—Repeated Exposure—Category 2

Label Elements:



Signal word:

DANGER

Precautionary Statements: Physical

Extremely flammable aerosol.
Containers gas under pressure: may explode if heated.

Precautionary Statements–Health

May cause cancer.
Causes serious eye irritation.
May cause genetic defects.
Causes skin irritation.
May cause damage to organs through prolonged or repeated exposure.

Precautionary Statement: General

If medical advice is needed, have product container or label at hand.
Keep out of reach of children
Read label before use

Precautionary Statement - Prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Do not spray on an open flame or other ignition source
Do not pierce or burn, even after use.
Obtain special instructions before use.
Do not handle until all safety precautions' have been read and understood.
Wear protective gloves, eye protection and face protection.
Wash hands thoroughly after handling.
Do not breath fume, gas, vapor or spray.

Precautionary Statements - Response:

IF exposed or concerned, get medical attention
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do, continue rinsing.
If eye irritation persists, get medical advice/attention.
IF ON SKIN: Wash with plenty of soap and water
If skin irritation occurs: get medical attention.
Take off contaminated clothing and wash it before reuse.
Get medical attention if you feel unwell.

Storage:

Protect from sunlight.

Do not expose to temperatures exceeding 122°F/50°C.
Store lock up.
Store in a well ventilated place

Disposal: Dispose of contents in accordance with local, regional, national and international regulations.

Section 3- Composition/ Information on Ingredients

CHEMICAL	CAS NUMBER	PERCENT
METHYLENE CHLORIDE	75-09-2	60-80
BUTANE	106-97-8	3-10
ETHANOL	64-17-5	4-10
PROPANE	74-98-6	5-11
ETHANOLAMINE	141-43-5`	1-3
AMMONIUM HYDROXIDE	1336-21-6	0-1

PROPYLENE OXIDE	75-56-9	0-1
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The specific identity and/or exact percentage of composition has been withheld as a trade secret

Section 4 – First Aid Measures

Eye: Flush eyes with water, holding the eyelids apart. Get medical attention if irritation develops or persists. Remove contact lenses if it is easy to do so.

Skin: Wash thoroughly with plenty of water. Get medical attention if irritation persists.

Inhalation: Remove to fresh air and keep comfortable for breathing. If irritation occurs, get medical attention. Eliminate all sources of ignition.

Ingestion: If large amounts ingested, seek medical attention.

Most Important symptoms and effects, both acute and delayed: None known.

Indication of any immediate medical attention and special treatment needed: Immediate medical attention required if swallowed.

Section 5 – Fire Fighting Measures

Suitable and Unsuitable Extinguishing Media: Use water spray or fog, foam, carbon dioxide or dry chemical.

Special Hazards Arising from the Chemical: Contents under pressure. Keep away from ignition sources and open flames. Exposure of containers to extreme heat and flames can cause them to rupture with violent force. Heated cans may burst expelling their content. Slip hazard.

Fire fighting Procedures: Isolate immediate hazard area and keep unauthorized personnel out of the area. Stop spill/ release if it can be done safely. Move undamaged containers from immediate hazard areas if safe to do so. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Special Equipment and Precautions for Fire-Fighters: Wear NIOSH approved positive pressure, self-contained breathing apparatus and full protective clothing. Cool fire exposed containers with water

Section 6 – Accidental Release Measures
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Personal Precautions, Protective Equipment and Emergency Procedures: Wear appropriate personal protective equipment. Use caution: slip hazard. Eliminate all sources of ignition. Isolate hazard area and keep unnecessary people away.

Environmental Hazards: Report spills and releases as required to appropriate authorities. Keep material from entering sewers, storm drains, and other waterways b using sand, earth or other suitable barriers.

Methods and Material for Containment and Cleaning Up: Collect liquid spill with an inert absorbent material and place into a suitable container for disposal. Eliminate all sources of ignition.

Section 7 – Handling and Storage

Precautions for Safe Handling: For industrial use only, by trained personnel. Keep away from children and wash hands after use. Avoid contact with eyes. Avoid breathing vapors and mists. Use with adequate ventilation. Keep away from heat sources. Contents under pressure. Do not puncture or incinerate container. Do not smoke while using.

Conditions for Safe Storage, Including any Incompatibilities: Store in a cool, well-ventilated area at temperatures below 120°F. Do not store in direct sunlight.

Section 8 – Exposure Controls / Personal Protection
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CHEMICAL NAME	EXPOSURE LIMITS
BUTANE	800 ppm NIOSH TWA 1000 ppm ACGIH TWA
ETHANOLAMINE	3 ppm OSHA TWA 3 ppm NIOSH TWA 3 ppm ACGIH
ETHANOL	1000 ppm OSHA TWA 1000 ppm NIOSH TWA
METHYL CHLORIDE	25 (a) ppm OSHA TWA 50 ppm ACGIH
PROPANE	1000 ppm OSHA TWA 1000 ppm NIOSH TWA
PROPYLENE OXIDE	100 ppm OSHA TWA 2 ppm ACGIH TWA

Appropriate Engineering Controls: Use with adequate general or local exhaust ventilation to maintain exposure levels below the exposure limits. If the product is used at high temperatures, local exhaust ventilation may be required.

Individual Protection Measures:

Respiratory Protection: In operations where the occupational exposure limits are exceeded, a NIOSH approved respirator with organic vapor/particulate cartridges or supplied air respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice.

Skin Protection: Impervious gloves such as rubber or nitrile recommended where needed to avoid prolonged skin contact .

Eye Protection: Safety glasses or goggles recommended where needed to avoid eye contact.

Section 9 – Physical and Chemical Properties

Appearance: Clear Aerosol	Vapor Density (air = 1): Slower than ether
Odor: Not available	Specific Gravity: 0.9
Odor Threshold: Not established	Water Solubility: Not soluble
pH: Not available	Octanol/Water Partition Coefficient: Not

	available
Melting Point/Freezing Point: Not available	Autoignition Temperature: Not available
Boiling Point: 395° F	Decomposition Temperature: Not available
Flash Point: <73° F	Viscosity: Not available
Evaporation Rate: Slower than ether	Explosion Properties: None
Flammable Limits: LEL: 10.3% UEL: 17.4%	Oxidizing Properties: Not oxidizing
Vapor Pressure: Not established	Aerosol Fire Protection Level: Not available
VOC Content: 26.8%	Flammability (solid, gas): Flashpoint below 73°F

Section 10 – Stability and Reactivity

Reactivity: Not reactive under normal conditions of use.

Chemical Stability: Stable under normal storage and handling conditions.

Possibility of Hazardous Reactions: None known

Conditions to Avoid: Use with strong oxidizing chemicals such as concentrated acids.

Incompatible Materials: Avoid strong oxidizing agents and acids.

Hazardous Decomposition Products: The thermal decomposition products are highly dependent upon the combustion conditions. Noxious or toxic fumes may be generated, some of which may be toxic or irritating.

Section 11 – Toxicological Information

Skin Corrosion/irritation: Causes skin irritation

Serious Eye Damage/irritation: Concentrate is an eye irritant and may cause irritation, redness or tearing. Causes serious eye irritation.

Carcinogenicity: May cause cancer

Germ Cell Mutagenicity: May cause genetic defects

Reproductive toxicity: No data available

Respiratory/skin sensitization: No data available

Specific target organ toxicity-Single exposure: No data available

Specific target organ toxicity- Repeated exposure: May cause damage to organs through prolonged or repeated exposure

Aspiration Hazard: No data available

Acute Toxicity: No data available

Potential health effects

Ethanol: The following medical conditions may be aggravated by exposure: Liver Disease. Tests in some lab animals indicate ethanol may have embryotoxic activity.

Methylene Chloride: Is irritating to eyes, skin, respiratory tract. It can cause effects on the Central nervous system, blood, liver, heart and lungs. Exposure could cause carbon monoxide poisoning resulting in impaired functions.

Exposure to high concentrations could cause lowering of consciousness or death. Methylene Chloride is a potent

irritant of mucous membranes. If swallowed, the substance may cause vomiting and could result in aspiration pneumonitis.

Methylene chloride is an IARC, NTP or OSHA Carcinogen. There is limited evidence that this substance cause spontaneous abortions. Contact can severely irritate and burn the skin and eyes with possible eye damage. Skin contact may cause inflammation and burns. Inhalation of high concentrations can have narcotic effects. Carbon monoxide produced as a metabolite in the body.

Acute exposure: Methylene Chloride Is irritating to eyes, skin, respiratory tract. It can cause effects on the Central nervous system, blood, liver, heart and lungs. Exposure could cause carbon monoxide poisoning resulting in impaired functions. Exposure to high concentrations could cause lowering of consciousness or death. Methylene Chloride is a potent irritant of mucous membranes. If swallowed, the substance may cause vomiting and could result in aspiration pneumonitis.

Chronic Exposure : Methylene Chloride : Inhalation exposure may result in neurological symptoms, including paraesthesiae, respiratory irritation and gastrointestinal disturbances. Long term exposure causes damage to the central nervous system and to the liver. Repeated or prolonged contact with skin may cause dermatitis.

Section 12 – Ecological Information

Long term Ecological testing has not been performed on this product.

Section 13 – Disposal Consideration

Waste disposal: Dispose of in a responsible manner. Follow local, state and federal guidelines. Do not discharge into sewers or waterways. Do not cut, grind, weld, or pressurize containers as empty containers will hold product residue. Do not use for any other purposes.

Section 14- Transport Information

DOT Proper Shipping Name: Aerosols, flammable, LTD QTY

DOT Hazard Class: 2.1

UN Number: UN1950

DOT Labels Required (49CFR172.101): LTD QTY

Packing Group : None

IMDG Shipping Description: Aerosols, flammable,, LTD QTY

Hazard Class: 2.1

UN Number: UN1950

Labels Required: None

Marking Required: Limited Quantity Mark

Placards Required: Limited Quantity

Packing Group: None

ICAO/IATA

Proper shipping name: Aerosol, Flammable, LTD QTY

Hazard Class: 2.1

Identification Number: UN 1950

Packing Group: None


Section 15 – Regulatory Information

THIS PRODUCT, AS TYPICAL, IS NOT AND CANNOT BE DISTRIBUTED IN COMMERCE (AS DEFINED IN TSCA SECTION 3 (5) OR PROCESSED (AS DEFINED IN TSCA SECTION 3(13) FOR CONSUMER PAINT OR COATING REMOVAL.

This product contains the following components listed under SARA 312 Title III: Ethanol , Propane, Methylene Chloride, Propane, Butane, Ethanolamine, Ammonium Hydroxide, Diethanolamine.(<0.007%)

This product contains the following components listed under SARA 313 Title III: Methylene Chloride, ammonium hydroxide, propylene oxide, Diethanolamine (<0.007%)

This product contains the following components listed under TSCA: All components

California Prop 65:  **WARNING:** This product can expose you to Methylene Chloride, Diethanolamine and Propylene oxide which is known to the State of California to cause cancer. For more information go to www.P65warnings.ca.gov

HAPS Chemical: Methylene Chloride, Propylene Oxide, Diethanolamine (<0.007%)

Section 16 – Other Information:
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The information contained herein is based on data considered accurate, however, no warranty is expressed or implied regarding the accuracy of the data or the results obtained from the use of his product. Therefore, because the product may be used under conditions beyond our control, we assume no liability for its use.