

AST™ CONTACT CLEANER SAFETY DATA SHEET

Section 1- Product and Company Identification

Product ID: 17035

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

Product Use: Electronics cleaner

Date: February 15, 2018

Section 2-Hazard Identification

GHS Classification (Hazcom 2012):

Specific target organ toxicity-Single exposure (Respiratory tract irritation) , Category 3

Aerosol- Category 2

Skin irritation- Category 2

Eye irritation-Category B

Carcinogenicity-Category 1B

Reproductive Toxicity - Category 1B

Acute aquatic toxicity- Category 3

Chronic aquatic toxicity- Category 3

Acute toxicity, Oral, Category 4

Gas under pressure-Liquefied Gas

Label Elements:



Signal word:

DANGER

Hazard Phrases:

Flammable aerosol, Pressurized container may burst if heated.

May cause respiratory irritation.

Causes skin irritation.

Causes eye irritation.

May cause cancer
May damage fertility of the unborn child.
Harmful if swallowed.
Harmful to aquatic life with long lasting effects.
If medical advice is needed, have product container or label at hand.
Keep out of reach of children
Read label before use.

Precautionary Phrases:

Prevention

Avoid breathing fume/gas/mist/vapors/spray.
Use only outdoors or in a well ventilated area
Wash thoroughly after handling
Wear eye protection, face protection.
Do not handle until all safety precautions, have been read and understood.
Avoid release to the environment.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Do not eat, drink or smoke when using this product
Do not spray on an open flame or other ignition source
Do not pierce or burn even after use.

Response:

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call POISON CENTER or doctor / physician if you feel unwell.

IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice / 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 attention.

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth

Storage:

Store in a well ventilated place.
Protect from sunlight.
Do not expose to temperatures exceeding 50°C / 122°F.

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

Section 3- Composition/ Information on Ingredients

CHEMICAL	CAS NUMBER	PERCENT
1 Bromopropane	106-94-5	40-95
Difluoroethane	75-37-6	15-30

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. Remove contact lenses if present and easy to do, continue rinsing for at least 15 minutes. Get medical attention if irritation develops or persists.

Skin: Wash thoroughly with plenty of soap and water. Remove contaminated clothing, watches, jewelry. Get medical attention if irritation persists.

Inhalation: Remove to fresh air and keep comfortable for breathing. If irritation occurs, get medical attention. Treat symptomatically.

Ingestion: Rinse mouth. Do **NOT** induce vomiting. Immediately call a POISON CENTER/ doctor. If vomiting occurs naturally, lie on your side, in the recovery position.

Most Important symptoms and effects, both acute and delayed: Repeated exposure may cause skin irritation, skin dryness or cracking of skin. May cause drowsiness or dizziness.

Section 5 – Fire Fighting Measures

Suitable and Unsuitable Extinguishing Media: Use water spray or fog, foam, carbon dioxide or dry chemical. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam.

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

Personal Precautions, Protective Equipment and Emergency Procedures: Avoid breathing vapors. Ventilate area. Remove all sources of ignition. Wear appropriate personal protective equipment. Keep unnecessary people away. Isolate hazard area and deny entry. Do not touch or walk through spilled material. Clean up immediately.

Environmental Hazards: Report spills and releases as required to appropriate authorities. Prevent spilled material from entering sewers, storm drains, or other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate 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.

Section 7 – Handling and Storage

For industrial and institutional use only.

For use by trained personnel only.

Keep away from children.

Wash hands after use.

Do not get in eyes, on skin or on clothing.

Do not breath vapors or mists.

Use good personal hygiene practices.
 Eating, drinking and smoking in work areas is prohibited.
 Remove contaminated clothing and protective equipment before entering eating areas.
 Eyewash stations and showers should be available in areas where this material is used and stored.

Precautions for Safe Handling: Do not puncture or incinerate cans. Do not stick pin, nails or any other sharp object into the opening on top of can. Do not spray in eyes. Do not take internally. See product label for additional information. Avoid prolonged skin contact. Do not transfer to unlabeled containers. Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source.

Conditions for Safe Storage, Including any Incompatibilities: Store away from extreme heat and open flames. Store in a cool, well ventilated areas. Do not store above 120°F.

Section 8 – Exposure Controls / Personal Protection

CHEMICAL NAME	EXPOSURE LIMITS
1 Bromopropane	ACGIH TWA, 0.1 ppm
Difluoroethane	OSHA TWA 25 mg/m3 ACGIH TWA, 25mg/m3

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 liquid, aerosol	Vapor Density: No data
Odor: slight	Specific Gravity: No data
Odor Threshold: Not established	Water Solubility: Not soluble
pH: Not available	Octanol/Water Partition Coefficient: Not available
Melting Point/Freezing Point: No data	Autoignition Temperature: Not available
Boiling Point: Low 0°F, Upper 158°F	Decomposition Temperature: Not available
Flash Point: <73°F	Viscosity: Not available

Evaporation Rate: slower than ether	Explosion Properties: None
Flammable Limits: LEL: 3.9 UEL: 16.9	Oxidizing Properties: Not oxidizing
Vapor Pressure: Not data	
VOC Content: 75% or 7.56 lb/gal	Flammability (solid, gas): gas

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: High temperatures.

Incompatible Materials: None known

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

Long term toxicological studies have not been conducted for this product.

Potential Health Effects:

Eye: May cause irritation.

Skin: Prolonged contact may cause irritation of the skin.

Inhalation: Can cause irritation to the Respiratory tract.

Ingestion: Swallowing may cause gastrointestinal irritation, nausea, vomiting, diarrhea

Reproductive Toxicity: May damage fertility or the unborn child

Chronic Hazards: Prolonged inhalation of thermal decomposition products may result in lung damage.

Carcinogen Status: May cause cancer (n-Bromopropane)

Section 12 – Ecological Information

Long term ecological studies have not been conducted for this product.

Harmful to aquatic life, with long lasting effects

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. Incineration is the preferred method of disposal, although it may be landfilled at an approved facility.

Section 14- Transport Information

DOT Proper Shipping Name: UN1950, Aerosols, 2.1, Limited Quantity
DOT Technical Name: None
DOT Hazard Class: 2.1
UN Number: UN1950
DOT Labels Required (49CFR172.101): LTD QTY

IMDG Shipping Description: UN1950, Aerosols, 2.1, Limited Quantity, Marine Pollutant
ID Number: UN1950
Hazard Class: 2.1
Packing Group: None
Labels Required: None
Marking Required: Limited Quantity Mark
Placards Required: Limited Quantity and Marine Pollutant Mark On Transport Containers

ICAO/IATA

Proper shipping name: Aerosol, Flammable
Hazard Class: 2.1
Identification Number: UN 1950
Packing Group: None


Section 15 – Regulatory Information

CERCLA Hazardous Substances (Section 103)/RQ: No

SARA Hazard Category (311/312): Fire Hazard, Pressure Hazard, Acute Health

SARA 313: This product contains the following chemicals regulated under SARA Title III, section 313: None

EPA TSCA Inventory: All of the components of this product are listed on the TSCA inventory.

CALIFORNIA PROPOSITION 65:  **WARNING:** This product can expose you to 1-bromopropane which is known to the State of California to cause reproductive harm and cancer. For more information go to www.P65warnings.ca.gov

Section 16 – Other Information:

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 this product. Therefore, because the product may be used under conditions beyond our control, we assume no liability for its use.