



ANTI-SPATTER (Aerosol)

SAFETY DATA SHEET

1. IDENTIFICATION

Product Type: Solvent based Anti-spatter (Aerosol) - 1620
Product Names: Unibraze Anti-Spatter
Specifications: N/A
Product Intended/Recommended: Prevents spatter buildup in welding operations
Manufacturer/Supplier Name: UNIBRAZE CORP.
 1050 Penner Crest
 Houston TX USA 77055
Email: sds@unibraze.com
Web address: www.unibraze.com
Emergency Phone: (713)-869-6000 1-800-364-6900

2. HAZARD IDENTIFICATION

Physical state: Liquid.
Appearance: Clear, colorless liquid.
Emergency overview: **WARNING**
May be harmful if swallowed. May cause central nervous system effects. Causes skin and eye irritation. Suspect cancer hazard. May cause damage to the liver and kidneys.
OSHA regulatory status: This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

Potential health effects

Routes of exposure - Inhalation. Ingestion. Skin contact. Eye contact.

Eyes - Causes eye irritation.

Skin - Causes skin irritation.

Inhalation - High vapor concentrations are irritating to the eyes, nose, throat, and lungs. Exposure to high concentrations of vapor or mist may result in CNS effects such as headaches, nausea and narcosis.

ingestion - May be harmful if swallowed. May cause damage to mucous membranes in nose, throat, lungs and bronchial system. Breathing product into the lungs during ingestion or vomiting may cause lung injury and possible death.

Chronic effects - Prolonged or repeated exposure may cause liver, kidney, and central nervous system damage.

Signs and symptoms - Irritation of eyes and mucous membranes. Skin irritation. Upper respiratory tract irritation. Headaches, dizziness and nausea.

Potential environmental effects - The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS#	Percent
Methylene Chloride	75-09-2	73-84
Carbon Dioxide	124-38-9	17

All concentrations are in percent by weight unless ingredients is a gas. Gas concentrations are in percent by volume.

4. FIRST AID MEASURES

First aid procedures

Eye contact - Immediately flush eyes with plenty of water for at least 15 minutes. Remove any contact lenses and open eyelids wide apart. Get medical attention if irritation develops or persists.

Skin contact - Immediately flush thoroughly with water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention if irritation develops and persists.

Inhalation - Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get medical attention if any discomfort continues.

Ingestion - Do not induce vomiting. If vomiting occurs, keep head low so that stomach content does not get into the lungs. Never give anything by mouth to an unconscious person. Get medical attention.

Notes to physician - Treat symptomatically. Symptoms may be delayed.

General advice - Show this safety data sheet to the doctor in attendance.

5. FIRE FIGHTING MEASURES

Flammable properties Material may burn but not ignite readily.

Extinguishing Media

Suitable extinguishing media Dry chemical, foam, carbon dioxide

Unsuitable extinguishing media Water or foam (may cause frothing)

Protection for firefighters

Specific hazards arising from the chemical Heated containers may rupture, explode or become airborne. "Empty containers may retain residue and can be dangerous. Product is not sensitive to mechanical impact or static discharge.

Protective equipment and precautions for firefighters Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Wear suitable protective equipment.

Firefighting equipment/instructions Containers close to fire should be removed or cooled with water.

Hazardous combustion products Product may decompose upon heating to produce phosgene, halogenated compounds, carbon monoxide and unidentified organic compounds.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Ensure adequate ventilation. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Ventilate closed spaces before entering them. Wear protective clothing as described in Section 8 of this MSDS. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not contaminate water.

Methods for cleaning up Collect for salvage or disposal. Collect any released materials with absorbent, non-combustible material into suitable containers. Clean surface thoroughly to remove residual contamination. Should not be released into the environment.

7. HANDLING AND STORAGE

Handling Avoid inhalation of vapors/spray and contact with skin and eyes. When using, do not eat, drink or smoke. Wear appropriate personal protective equipment (See Section 8). Observe good industrial hygiene practices.

Storage Keep container tightly closed and in a well-ventilated place. Keep away from incompatible material. Keep away from food, drink and animal feeding stuffs.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	CAS#	Type	Value
Carbon dioxide	124-38-9	STEL	30000 ppm
		TWA	5000 ppm
Methylene chloride	75-09-2	TWA	50 ppm

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Components	CAS#	Type	Value
Methylene chloride	75-09-2	STEL	125 ppm
		TWA	25 ppm

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	CAS#	Type	Value
Carbon dioxide	124-38-9	PEL	5000 ppm

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	CAS#	Type	Value
Carbon dioxide	124-38-9	STEL	54000 mg/m ³
			30000 ppm
		TWA	9000 mg/m ³ 5000 ppm
Methylene chloride	75-09-2	TWA	174 mg/m ³ 50 ppm

Occupational exposure limits (cont.)

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	CAS#	Type	Value
Carbon dioxide	124-38-9	STEL	15000 ppm
		TWA	5000 ppm
Methylene chloride	75-09-2	TWA	25 ppm

Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)

Components	CAS#	Type	Value
Carbon dioxide	124-38-9	STEL	30000 ppm
		TWA	5000 ppm
Methylene chloride	75-09-2	TWA	50 ppm

Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

Components	CAS#	Type	Value
Carbon dioxide	124-38-9	STEL	30000 ppm
		TWA	5000 ppm
Methylene chloride	75-09-2	TWA	50 ppm

Canada. Quebec OELs. (Ministry of Labor – Regulation Respecting the Quality of the Work Environment)

Components	CAS#	Type	Value
Carbon dioxide	124-38-9	STEL	54000 mg/m ³ 30000 ppm
		TWA	9000 mg/m ³ 5000 ppm
Methylene chloride	75-09-2	TWA	174 mg/m ³ 50 ppm

Mexico. Occupational Exposure Limit Values

Components	CAS#	Type	Value
Carbon dioxide	124-38-9	STEL	27000 mg/m ³ 15000 ppm
		TWA	9000 mg/m ³ 5000 ppm
Methylene chloride	75-09-2	STEL	1740 mg/m ³ 500 ppm
		TWA	330 mg/m ³ 100 ppm

Engineering controls - Provide adequate ventilation and minimize the risk of inhalation of vapors and mists. Local exhaust is recommended. Shower, hand and eye washing facilities near the workplace are recommended.

Personal protective equipment

Eye / face protection - Wear safety glasses with side shields (or goggles).

Skin protection - Chemical resistant clothing is recommended.

Respiratory protection - If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection. Selection/use of respiratory protective equipment should be IWA OSHA General Industry Standard 29 CFR 1910.134; or in Canada with CSA Standard Z94.4.

General Hygiene Considerations – Always observe good personal hygiene measures, such as washing after handling the material and before eating or drinking. Routinely wash work clothes and protective equipment to remove any contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, Colorless liquid
Physical State	Liquid
Form	Liquid
Color	Colorless
Odor	Characteristic odor
Odor threshold	Not available pH Not available
Vapor pressure	390mm Hg
Vapor Density	1.9 (Air=1)
Boiling Point	104°F (40°C)
Melting Point/Freezing Point	Not applicable
Solubility (water)	Soluble in water
Flash Point	Not available
Flammability limits in air, lower, % by volume	Not available
Auto-ignition temperature	Not available
Evaporation rate	14.5 (butyl acetate=1)

10. CHEMICAL STABILITY & REACTIVITY INFORMATION

Chemical stability	Stable under normal temperatures and pressures.
Conditions to avoid	Avoid exposing aerosol containers to high temperatures or direct sunlight.
Incompatible materials	Acids, alkalis, oxidizing agents, reactive halogens, or reactive metals.
Hazardous decomposition products	None under normal temperatures and pressures. In the event of fire see Sect. 5
Possibility of hazardous reactions	Polymerization is not known to occur under normal temperatures and pressures. Not reactive with water.

11. TOXICOLOGICAL INFORMATION**Toxicological data**

Components	CAS#	Species	Test Results
Methylene Chloride Acute <i>Oral</i> LD50	75-09-2	Rat	1600 mg/kg

Sensitization - Not a skin sensitizer.

Acute effects - May be harmful if swallowed. Exposure to high concentrations of vapor or mist may result in CNS effects such as headaches, nausea and narcosis.

Local effects - Components of the product may be absorbed into the body through the skin. Causes skin and eye irritation.

Chronic effects - Prolonged or repeated exposure may cause toxic effects to the central nervous system. Repeated or prolonged exposure to high concentrations may cause kidney and liver damage.

Carcinogenicity - Suspect cancer hazard - may cause cancer.

ACGIH Carcinogens

Methylene chloride (CAS 75-09-2) A3 Confirmed animal carcinogen with unknown relevance to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

Methylene chloride (CAS 75-09-2) 2B Possibly carcinogenic to humans.

US NTP Report on Carcinogens: Anticipated carcinogen

Methylene chloride (CAS 75-09-2) reasonably anticipated to be a Human Carcinogen.

**US. OSHA Specifically Regulated Substances
(29 CFR 1910.1001-1050)**

Methylene chloride (CAS 75-09-2) Cancer

Epidemiology	No data available.
Mutagenicity	No data available.
Reproductive effects	May adversely affect the developing fetus based on animal data.
Further information	Symptoms may be delayed.

12. ECOLOGICAL INFORMATION

Ecotoxicological data

Components	CAS#	Species	Test Results
Methylene Chloride Aquatic Crustacea EC50 Fish LC50	75-09-2	Water Flea (Daphnia magna) Fathead Minnow(Pimephales promelas)	1250 mg/l, 48 hrs. 140.8-277.8 mg/l, 96 hrs.

Eco toxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Environmental effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Persistence and degradability

Not available.

Bioaccumulation / Accumulation

Bioaccumulative potential

Octanol/water partition coefficient log Kow

Methylene chloride 1.25

(CAS 75-09-2)

Mobility in environmental media

The product is soluble in water.

13. DISPOSAL CONSIDERATIONS

Waste codes

US RCRA Hazardous Waste U List: Reference

Methylene chloride U080

(CAS 75-09-2)

Disposal instructions - Dispose of contents/container in accordance with all local, State and Federal regulations.

Waste from residues /unused products - Dispose in accordance with all local, state and federal regulations.

14. TRANSPORT INFORMATION

DOT

<i>Basic Shipping Requirements</i>	
UN number	UNI1950
UN proper shipping name	AEROSOLS
Transport hazard class	2.2
Subsidiary class	6.1
<i>Additional Information:</i>	
Packaging exceptions	306
Packaging non bulk	None
Packaging bulk	None
2.2, 6.1	

IATA

UN number	UNI1950
UN proper shipping name	AEROSOLS
Transport hazard class	2.2
Subsidiary class	6.1

IMDG

UN number	UNI1950
UN proper shipping name	AEROSOLS
Transport hazard class	2.2
Subsidiary class	6.1

TDG

UN number	UNI1950
UN proper shipping name	AEROSOLS
Transport hazard class	2.2
Subsidiary class	6.1
Marine pollutant	No

15. REGULATORY INFORMATION

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard 29 CFR 1900.1200. All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Methylene chloride (CAS 75-09-2)

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: De minimis concentration

Methylene chloride (CAS 75-09-2) 0.1 %

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance

Methylene chloride (CAS 75-09-2) Listed.

ERCLA (Superfund) reportable quantity (lbs.) (40 CFR 302.4)

Methylene chloride: 1000

Superfund Amendments & Reauthorization Act of 1986(SARA) Hazard Categories

- Immediate Hazard - Yes
- Delayed Hazard - Yes
- Fire Hazard - No
- Pressure Hazard - No
- Reactivity Hazard - No

SARA 302 Extremely hazardous substance Not listed.

SARA 311/312 Hazardous chemical Yes

Drug Enforcement Administration (DEA)) 21 CFR 1308.11-15) Not controlled

Canadian regulations This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR.

WHMIS status Controlled

WHMIS Classification D2A – Other Toxic Effects – VERY TOXIC
D2B – Other Toxic Effects - TOXIC

WHMIS Labeling



Inventory Status

Country(s) or Region	Inventory Name	On inventory
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

State Regulations **WARNING:** This product contains a chemical known to the State of California to cause cancer.

US - California Hazardous Substances (Director's): Listed substance

Carbon dioxide (CAS 124-38-9) Listed. Methylene chloride (CAS 75-09-2) Listed.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Methylene chloride (CAS 75-09-2) Listed.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Methylene chloride (CAS 75-09-2) Listed: April 1, 1988 Carcinogenic.

US. Massachusetts RTK - Substance List

Carbon dioxide (CAS 124-38-9) Listed. Methylene chloride (CAS 75-09-2) Listed.

US. New Jersey Worker and Community Right-to-Know Act

Carbon dioxide (CAS 124-38-9)
Methylene chloride (CAS 75-09-2)

US. Pennsylvania Worker and Community Right-to-Know Law

Carbon dioxide (CAS 124-38-9)
Methylene chloride (CAS 75-09-2)

16. OTHER INFORMATION

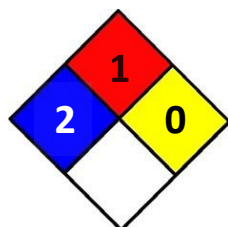
Further information

HMIS® is a registered trade and service mark of the NPCA.
A HMIS® Health rating including an * indicates a chronic hazard.

HMIS® ratings

Health: 2*
Flammability: 1
Physical hazard: 0

NFPA ratings



LIABILITY-DISCLAIMER: *Unibraze does not assume liability whatsoever for the accuracy or completeness of the information contained in this MSDS. The information contained is accurate to the best of our knowledge. The final suitability of any material is the responsibility of the user. Materials may present unknown hazards and are intended for use by qualified individuals experienced and trained in welding safety.*