

Section 1: Product and Company Identification

<i>Product Identifier:</i>	Solvent Based Anti-Spatter / Nozzle Shield
<i>Product Use:</i>	Prevents spatter build up in welding operations
<i>Item Code:</i>	1620-16
<i>Supplier Name:</i>	Techniweld Corporation
<i>Supplier Address:</i>	2300 Winston Park Drive Oakville, ON L6H 7T7
<i>Supplier Web Address:</i>	www.techniweld.com
<i>Supplier Phone:</i>	905-829-8780 1-800-268-4833
<i>Prepared By:</i>	Techniweld Corporation
<i>Preparation Date:</i>	24 September 2015
<i>OSHA Regulatory Status:</i>	Regulated
<i>WHMIS Classification:</i>	D1B, D2A, D2B, A

Section 2: Hazard Identification

<i>Classification:</i>	Eye Irritation	Category 2A
	Skin Irritation	Category 2
	Specific Target Organ Toxicity – Single Exposure	Category 3 (H335, H336)
	Carcinogen	Category 2
<i>Label Elements:</i>	WARNING! Contains methylene chloride	



Hazard Phrases

- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H335 May causes respiratory irritation.
- H336 May causes drowsiness or dizziness.
- H351 Suspected of causing cancer.

Precautionary Phrases

- P201 Obtain special instructions before use.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264 Wash thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P305+ P351+ IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
- P338 Continue Rinsing
- P337+ P313 IF EYE IRRITATION PERSISTS: Get medical advice/attention.

- P302+
P352 IF ON SKIN: Wash with plenty of soap and water.
P332+ IF SKIN IRRITATION OCCURS: Get medical advice/
P313 attention.
P362 Take off contaminated clothing and wash before reuse.
P304+ IF INHALED: Remove to fresh air and keep at rest in a
P340 position comfortable for breathing.
P312 Call a poison centre or doctor/physician if you feel unwell.
P308+ IF EXPOSED OF CONCERNED: Get medical advice/
P313 attention.
P403+ Store in a well-ventilated place. Keep container tightly
P233 closed.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local or
national regulations.

Other Hazards:

Not applicable

Section 3: Composition/Information on Hazardous Ingredients

HAZARDOUS INGREDIENTS	CAS NUMBER	APPROXIMATE CONCENTRATION (%)
Methylene Chloride	75-09-2	>90
Carbon Dioxide	124-83-9	Balance

Section 4: First-aid Measures

<i>Inhalation:</i>	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist or if unconscious.
<i>Ingestion:</i>	Unlikely due to being in aerosol form. Should actual ingestion occur, do not induce vomiting! Drink a glass of water or milk to dilute. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.
<i>Eye Contact:</i>	Immediately flush with plenty of clear water for at least 15 minutes. Make sure to flush under the eyelids. Consult a physician for definitive treatment.
<i>Skin Contact:</i>	Remove with soap and water. Continue flushing with water for several minutes. Use skin cream to counter resulting dryness. Consult a physician if irritation continues or if large skin area is affected.

NOTE: In all severe cases, contact physician immediately. Local telephone operators can provide number of regional poison control centre.

Section 5: Fire-fighting Measures

<i>Flammable:</i>	Heat, sparks, flame, red hot metal
<i>Means of Extinction:</i>	For warehouse and storage conditions, use NFPA Class B extinguishers (CO ₂ , dry chemical or universal aqueous film forming foam).
<i>Auto-ignition Temperature:</i>	Not available
<i>Hazardous Combustion Products:</i>	Not available
<i>Explosion Data Sensitivity to Mechanical Impact:</i>	Not available
<i>Explosion Data Sensitivity to Static Discharge:</i>	Not available

Special Equipment:

Wear self-contained breathing apparatus. Use water spray to cool fire exposed aerosol containers; containers can rupture violently from heat developed pressure.

Precautions for Fire Fighters:

See above

Section 6: Accidental Release Measures

Protection Equipment:

Avoid prolonged or repeated skin contact. Avoid breathing vapours.

Emergency Procedures:

Aerosol products represent a limited hazard and will not spill or leak unless ruptured. In case of rupture contents are generally evacuated from the can rapidly. Area should be ventilated immediately and continuous ventilation provided until all fumes and vapors have been removed. Aerosol cans should never be incinerated or burned. See Section 13 for disposal considerations.

Leak or Spill Procedure:

Product is an aerosol, therefore spills and leaks are unlikely. In case of rupture, released content should be contained as any other solvent spill. Spills from aerosol cans are unlikely and are generally of small volume. Large spills are therefore not normally considered a problem. In case of actual rupture, avoid breathing vapours and ventilate area well. Remove all sources of ignition and use non-sparking equipment. Soak up material with inert absorbent. Flush area with water. All rinsate should be placed in safety containers and labeled for proper disposal.

Section 7: Handling and Storage

Handling Procedures and Equipment:

Avoid prolonged or repeated skin contact. Avoid breathing vapours.

Storage Requirements:

Store in area below 120°F (49°C). Do not incinerate (burn) containers. Assure can is in a secure place to prevent knocking over and accidental rupture. Always replace overcap when not in use. For store of pallet quantities, compliance with ANSI/NFPA 30B is recommended.

Incompatibilities:

Heat, sparks, open flame, red hot metal, electrical arcs, high pressure in aluminum systems.

Section 8: Exposure Controls/Personal Protection

Exposure Limits:

INGREDIENTS	EXPOSURE LIMITS (PPM)	
	OSHA PEL	ACGIH TLV
Methylene Chloride (Dichloromethane)	25	50
Carbon Dioxide	5000	5000

Engineering Controls:

General ventilation (typically 10 air changes for hour) should be used. Ventilation rates should be matched to conditions. Local exhaust ventilation or an enclosed handling system may be needed to control air contamination below that of the lowest TLV/PEL rated ingredient above.

Personal Protective Equipment:

Eye Protection: Safety glasses with side shields are recommended as a minimum for any type of industrial chemical handling. Where eye contact could occur, chemical splash proof goggles are recommended.

Skin Protection: For brief contact, no precautions other than clean body-covering clothing should be needed. When prolonged or repeated contact could occur, use protective clothing impervious to the ingredients listed in Section 3.

Section 9: Physical and Chemical Properties

<i>Physical State:</i>	Liquid / gas
<i>Odour and Appearance:</i>	Clear to white liquid with a chloroform-like odour
<i>Odour Threshold (ppm):</i>	Not available
<i>pH:</i>	Not available
<i>Melting Point:</i>	Not available
<i>Freezing Point:</i>	Not available
<i>Boiling Point:</i>	104°F
<i>Flashpoint:</i>	Not available
<i>Upper Flammable Limit (% by volume):</i>	Not available
<i>Lower Flammable Limit (% by volume):</i>	Not available

Section 10: Stability and Reactivity

<i>Chemical Stability:</i>	Stable
<i>Possible Hazardous Reactions:</i>	Not applicable
<i>Conditions to Avoid:</i>	Heat, sparks, open flame, red hot metal, electrical arcs, high pressure in aluminum systems.
<i>Materials to Avoid (Incompatibilities):</i>	Strong oxidizing materials (ie./ oxygen, nitrogen, peroxide, oxidizers) and reactive materials (ie./ aluminum, potassium, sodium, etc.).
<i>Conditions of Reactivity:</i>	Not available
<i>Hazardous Decomposition By-Products:</i>	CO, CO ₂ , phosgene and/or HCl
<i>Hazardous Polymerization:</i>	Hazardous polymerization does not occur.

Section 11: Toxicological Information

<i>Skin Contact:</i>	Frequent or prolonged contact can result in defatting and drying of the skin, which may result in skin irritation and dermatitis.
<i>Skin Absorption:</i>	Not available
<i>Eye Contact:</i>	Liquid or vapours may cause redness, burning, tearing, swelling and/or pain.
<i>Inhalation:</i>	Prolonged or repeated overexposure is anesthetic. May cause irritation of the respiratory tract, or acute nervous system depression characterized by headache, dizziness, staggering gait or confusion.
<i>Ingestion:</i>	Due to being an aerosol, product does not lend itself to ingestion. Should ingestion occur, it may cause irritation to the membranes of the mouth, throat, gastrointestinal tract, and may result in vomiting and/or cramps.
<i>Effects of Acute Exposure:</i>	Prolonged inhalation at high levels can cause unconsciousness and death.
<i>Effects of Chronic Exposure:</i>	Excessive exposure may cause carboxyhemoglobinemia.
<i>Irritancy of Product:</i>	Not available
<i>Sensitization to Product:</i>	Prolonged contact with high concentrations can lead to serious kidney and liver damage.
<i>Carcinogenicity:</i>	This product contains Methylene Chloride which has been shown to cause cancer in certain laboratory animals when exposed to high vapour concentration over an extended period of time. While not proven to be carcinogenic to humans, if it should be found to be so, risk to health would depend on level and duration of exposure. Exposure to vapour should be minimized until risk to humans has been determined.
<i>Reproductive Effects:</i>	Not available
<i>Respiratory Sensitization:</i>	Not available
<i>Toxicological Data:</i>	Oral, rat – 1600mg/Kg (LD50); Inhalation, rat – 88 000mg/m ³ /30min (LC50)

Section 12: Ecological Information

<i>Aquatic and Terrestrial Toxicity:</i>	Not available
<i>Persistence and Degradability:</i>	Not available
<i>Bioaccumulative Potential:</i>	Not available
<i>Soil Mobility:</i>	Not available

Section 13: Disposal Considerations

NOTE: Always dispose of waste in accordance with local, provincial and federal regulations.

<i>Safe Handling:</i>	Avoid prolonged or repeated skin contact. Avoid breathing vapours.
<i>Methods of Disposal:</i>	An aerosol container that does not contain a significant amount of liquid would meet the definition of scrap metal (40 CFR 261.1(c)(6), and would be exempt from RCRA regulation under 40 CFR 261.6(a)(3)(iv) if it is to be recycled. If containers are to be disposed of (not recycled) it must be managed under all applicable RCRA and state/provincial regulations. Collected rinsate materials from spills may be hazardous wastes, and therefore subject to local, state/provincial and federal regulations.

Section 14: Transportation Information

<i>UN Identification Number:</i>	UN1950
<i>Proper Shipping Name:</i>	Aerosols
<i>Hazardous Class or Division:</i>	2.2 (Non-flammable Gas)
<i>Packing Group:</i>	Not applicable

This material is considered as *hazardous* (Per 49 CFR 172.101) by the US Department of Transportation.

This material is considered as *dangerous goods by the Transport Canada*. Use the above information for the preparation of Canadian shipments.

Section 15: Regulatory Information

<i>OSHA Classification:</i>	This product is classified as a "Hazardous Chemical" by definition of Hazard Communication Standard (29 CFR 1910.1200) Occupational exposures to ethylene chloride are specifically regulated under 29 CFR 1910.1052
<i>Carcinogen Status:</i>	Methylene Chloride is listed by NTP as "reasonably anticipated to be a human carcinogen" and by IARC as a Group 2B carcinogen.
<i>Toxic Substances Control Act (TSCA):</i>	The product on this SDS, or all of its components, is listed under TSCA.
<i>SARA Title III, Section 313:</i>	The following ingredients are subject to the reporting requirements of Section 313 of Title III of the Superfund and Reauthorization Act of 1986 and 40 CFR Part 372: Methylene Chloride (90.5%).
<i>Clean Air Act (CAA):</i>	No ingredients appear on the List of Hazardous Air Pollutants.
<i>Clean Water Act (CWA):</i>	No ingredients appear on the CWA List of Hazardous Substances.
<i>California Proposition 65:</i>	The following ingredients appear of the Proposition 65 list(s): Methylene Chloride (C).
<i>New Jersey Right to Know Information:</i>	(5 most predominant ingredients / hazardous & non-hazardous) Methylene Chloride CAS# 75-09-2 Carbon Dioxide CAS# 124-38-9

Canadian Workplace Hazardous

Materials Information System (WHMIS): This MSDS has been prepared according to the hazard criteria of the

Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

Domestic Substances List (DSL):

The product on this SDS, or all of its components, is included in the DSL.

Section 16: Other Information

Preparation Date: 24 September 2015

Date of Last Revision: 24 September 2015

This SDS format is in accordance with GHS. Techniweld Corporation provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Product use and conditions of use are beyond the control of Techniweld. Warranty of materials is limited to test results of product performance as detailed in certificates of compliance. Interpretation of test results is the responsibility of end-user. No other warranties, expressed or implied, are made.