Weld-Aid® Non-Flammable Anti-Spatter, 14 Wt Oz

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue date: 10/16/2024 Version: 1.0

SECTION 1: Identification

1.1. Identification

Trade name	:	Weld-Aid® Non-Flammable Anti-Spatter, 14 Wt Oz
Product code	:	1755904
Part number	:	007100

1.2. Recommended use and restrictions on use

Use of the substance/mixture	:	Protects nozzles and surfaces
Restrictions on use	:	None known

1.3. Supplier

Manufactured or sold by:
CRC Industries, Inc.
885 Louis Dr.
Warminster, PA 18974
United States
T 1-800-556-5074
crcindustries.com

1.4. Emergency telephone number

Emergency number	:	1-800-424-9300 24-Hour Emergency

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Aerosol, Category 3	Pressurized container: may burst if heated.
Skin corrosion/irritation Category 2	Causes skin irritation.
Serious eye damage/eye irritation Category 2A	Causes serious eye irritation.
Specific target organ toxicity – Single exposure, Category 3, Narcosis	May cause drowsiness or dizziness.
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	May cause respiratory irritation.
Aspiration hazard Category 1	May be fatal if swallowed and enters airways.
Hazardous to the aquatic environment – Acute Hazard Category 3	Harmful to aquatic life.
Hazardous to the aquatic environment – Chronic Hazard Category 3	Harmful to aquatic life with long lasting effects.

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US)	:	Danger
Hazard statements (GHS US)	:	Pressurized container: may burst if heated May be fatal if swallowed and enters airways Causes skin irritation Causes serious eye irritation May cause respiratory irritation May cause drowsiness or dizziness

Precautionary statements (GHS US) : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Do not pierce or burn, even after use.
Avoid breathing vapors, spray, mist.
Use only outdoors or in a well-ventilated area. Open doors and windows or use other means to ensure a fresh air supply during use and while product is drying. If you experience any symptoms listed on this label, increase ventilation or leave the area.
Wear protective gloves, eye protection, face protection.
Wash hands thoroughly after handling.
If swallowed: Immediately call a poison center or doctor.
Do NOT induce vomiting.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
Call a poison center or doctor if you feel unwell.
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 water.
If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
Store in a well-ventilated place.
Store locked up.
Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Exposure to high temperature may cause can to burst.
Dispose of contents/container in accordance with local/regional/national regulations.

2.3. Other hazards which do not result in classification

Other hazards which do not result in classification : When exposed to extreme heat or hot surfaces, vapors may decompose to toxic gases such as hydrogen fluoride, hydrogen chloride, and possibly phosgene.

2.4. Unknown acute toxicity (GHS US)

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%
Ethane, 1,1,2,2-tetrafluoro-1-(2,2,2-trifluoroethoxy)-	Ethane, 1,1,2,2-tetrafluoro-1-(2,2,2-trifluoroethoxy)-	CAS-No.: 406-78-0	30 – 60
Ethene, 1,2-dichloro-, (1E)-	trans-dichloroethylene	CAS-No.: 156-60-5	30 – 60
Carbon dioxide	Carbon dioxide	CAS-No.: 124-38-9	1 – 5

Comments : Specific chemical identity and/or percentage of composition has been withheld as a trade secret.

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : Call a poison center/doctor/physician if you feel unwell. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

First-aid measures after inhalation	:	Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor/physician if you feel unwell.
First-aid measures after skin contact	:	Wash skin with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing.
First-aid measures after eye contact	:	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.
First-aid measures after ingestion	:	Rinse mouth. Do not induce vomiting. Call a physician immediately.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects	:	May cause drowsiness or dizziness.
Symptoms/effects after inhalation	:	Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination. May cause respiratory irritation.
Symptoms/effects after skin contact	:	Causes skin irritation.
Symptoms/effects after eye contact	:	Causes eye irritation.
Symptoms/effects after ingestion	:	Risk of lung edema.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	:	Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	:	Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard	:	No fire hazard.
Explosion hazard	:	Pressurized container may rupture when exposed to heat or flame.
Reactivity in case of fire	:	When exposed to extreme heat or hot surfaces, vapors may decompose to toxic gases such as hydrogen fluoride, hydrogen chloride, and possibly phosgene.
Hazardous decomposition products in case of fire	:	Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	:	Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting	:	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	:	Stop leak if safe to do so. Absorb spillage to prevent material-damage. Notify authorities if product enters sewers or public waters.

6.1.1. For non-emergency personnel

Protective equipment	:	Wear recommended personal protective equipment.
Emergency procedures	:	Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing vapors, spray, mist. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment	:	Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	:	Evacuate unnecessary personnel. Stop leak if safe to do so.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk. Collect spillage.

Methods for cleaning up : Take up mechanically (sweeping, shoveling) and collect in suitable container for disposal. Clean surface thoroughly to remove residual contamination.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Pressurized container: Do not pierce or burn, even after use. Exposure to high temperature may cause can to burst. Avoid contact with skin and eyes. Avoid breathing vapors, spray, mist. Use only outdoors or in a well-ventilated area. Open doors and windows or use other means to ensure a fresh air supply during use and while product is drying. If you experience any symptoms listed on this label, increase ventilation or leave the area. Wear personal protective equipment. For product usage instructions, see the product label.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep in a cool, well-ventilated place away from heat.

Storage conditions : Level 1 Aerosol. Store locked up. Store in a well-ventilated place. Store in a cool, dry place out of direct sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

Packaging materials : Store always product in container of same material as original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Carbon dioxide (124-38-9)	
USA - OSHA - Occupational Exposure Limits	
Local name	Carbon dioxide
OSHA PEL TWA	9000 mg/m³
	5000 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Wear recommended personal protective equipment.

Hand protection:
Wear protective gloves such as: Nitrile. Fluoroelastomer (FKM)

Eye protection:
Safety glasses with side shields

Respiratory protection:
If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with an organic vapor cartridge. Use a self-contained breathing apparatus in confined spaces and for emergencies. Air monitoring is needed to determine actual employee exposure levels.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Color	:	Colorless
Odor	:	Solvent
Odor threshold	:	No data available
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	120.56 °F estimated
Flammability (solid, gas)	:	No data available
Explosion limits	:	No data available
Flash point	:	None (Setaflash)
Auto-ignition temperature	:	860 °F estimated
Decomposition temperature	:	No data available
pH	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Solubility	:	No data available
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Vapor pressure	:	No data available
Density and/or relative density		
Density	:	10.96 lb/gal Concentrate
Relative density	:	1.32 Concentrate
Particle characteristics	:	No data available
Relative evaporation rate (butyl acetate=1)	:	No data available
Relative vapor density at 20°C	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Pressurized container: may burst if heated.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

When exposed to extreme heat or hot surfaces, vapors may decompose to toxic gases such as hydrogen fluoride, hydrogen chloride, and possibly phosgene.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Carbon oxides (CO, CO2). Carbonyl halogenides. Hydrogen chloride. Hydrogen fluoride. Phosgene.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Symptoms/effects	:	May cause drowsiness or dizziness.
Symptoms/effects after inhalation	:	Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination. May cause respiratory irritation.
Symptoms/effects after skin contact	:	Causes skin irritation.
Symptoms/effects after eye contact	:	Causes eye irritation.
Symptoms/effects after ingestion	:	Risk of lung edema.
Acute toxicity (oral)	:	Not classified (Based on available data, the classification criteria are not met).
Acute toxicity (dermal)	:	Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	:	Not classified (Based on available data, the classification criteria are not met)

Ethane, 1,1,2,2-tetrafluoro-1-(2,2,2-trifluoroethoxy)- (406-78-0)	
LD50 oral rat	> 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rat	> 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal)), Guideline: EPA OPPTS 870.1200 (Acute Dermal Toxicity), Guideline: other:
LC50 Inhalation - Rat	> 24.61879 mg/l air Animal: rat, Animal sex: male, Guideline: other:

Ethene, 1,2-dichloro-, (1E)- (156-60-5)	
LD50 oral rat	9939 mg/kg Source: ECHA
LD50 dermal rabbit	> 5000 mg/kg Source: ECHA

Skin corrosion/irritation : Causes skin irritation.

Carbon dioxide (124-38-9)	
pH	3.2 Source: HSDB

Serious eye damage/irritation : Causes serious eye irritation.

Carbon dioxide (124-38-9)	
pH	3.2 Source: HSDB

Respiratory or skin sensitization	:	Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	:	Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	:	Not classified (Based on available data, the classification criteria are not met)

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)

STOT-single exposure : May cause drowsiness or dizziness. May cause respiratory irritation.

Ethane, 1,1,2,2-tetrafluoro-1-(2,2,2-trifluoroethoxy)- (406-78-0)	
STOT-single exposure	May cause drowsiness or dizziness. May cause respiratory irritation.

Ethene, 1,2-dichloro-, (1E)- (156-60-5)	
STOT-single exposure	May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

Ethane, 1,1,2,2-tetrafluoro-1-(2,2,2-trifluoroethoxy)- (406-78-0)	
LOAEC (inhalation,rat,vapor,90 days)	16.358 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)
NOAEL (oral,rat,90 days)	1000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents)
NOAEC (inhalation,rat,vapor,90 days)	12.2685 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)

Aspiration hazard : May be fatal if swallowed and enters airways.

Viscosity, kinematic : No data available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

Ethane, 1,1,2,2-tetrafluoro-1-(2,2,2-trifluoroethoxy)- (406-78-0)	
LC50 - Fish [1]	> 76 mg/l Test organisms (species): Cyprinus carpio
EC50 72h - Algae [1]	> 24 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	> 213 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)

Ethene, 1,2-dichloro-, (1E)- (156-60-5)	
LC50 - Fish [1]	135 mg/l Source: ECHA
EC50 - Crustacea [1]	220 mg/l Source: ECHA
EC50 72h - Algae [1]	36.36 mg/l Source: ECHA

Carbon dioxide (124-38-9)	
LC50 - Fish [1]	35 mg/l Source: HSDB

12.2. Persistence and degradability

Weld-Aid® Non-Flammable Anti-Spatter, 14 Wt Oz	
Persistence and degradability	No data is available on the degradability of this product.

12.3. Bioaccumulative potential

Ethene, 1,2-dichloro-, (1E)- (156-60-5)	
Partition coefficient n-octanol/water (Log Pow)	2.09 Source: ChemIDplus

Carbon dioxide (124-38-9)	
Partition coefficient n-octanol/water (Log Pow)	0.83 Source: ISCS

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Regional waste regulation : Disposal must be done according to official regulations.

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Sewage disposal recommendations : Disposal must be done according to official regulations. Do not allow to enter sewers, surface or groundwater.

Product/Packaging disposal recommendations : Disposal must be done according to official regulations.

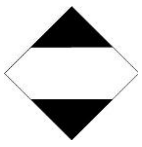
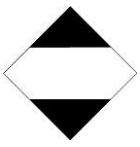
Hazardous waste code : This product is not a RCRA hazardous waste (See 40 CFR Part 261.20 – 261.33).

However, it is the generator's responsibility to determine the proper classification and disposal method at the time of disposal.

Additional information : Contents under pressure. Do not re-use empty containers.

SECTION 14: Transport information

In accordance with DOT / IMDG / IATA

DOT	IMDG	IATA
14.1. UN number		
UN1950	1950	1950
14.2. Proper Shipping Name		
Aerosols, non-flammable (Limited quantity)	AEROSOLS (Limited quantity)	Aerosols, non-flammable (Limited quantity)
14.3. Transport hazard class(es)		
LTD QTY	LTD QTY	LTD QTY Y
		
14.4. Packing group		
Not applicable	Not applicable	Not applicable
14.5. Environmental hazards		
No		

14.6. Special precautions for user

DOT

Class (DOT) : 2.2 - Class 2.2 - Non-flammable compressed gas 49 CFR 173.115

UN-No.(DOT)	:	UN1950
DOT Packaging Exceptions (49 CFR 173.xxx)	:	306
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	:	75 kg
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	:	150 kg
DOT Vessel Stowage Location	:	A - The material may be stowed ‘‘on deck’’ or ‘‘under deck’’ on a cargo vessel and on a passenger vessel.
DOT Vessel Stowage Other	:	25 - Shade from radiant heat,87 - Stow ‘‘separated from’’ Class 1 (explosives) except Division 14,126 - Segregation same as for Class 9, miscellaneous hazardous materials

IMDG

Class (IMDG)	:	2.2 - Non-flammable, non-toxic gases
Special provision (IMDG)	:	63, 190, 277, 327, 344, 381, 959
Limited quantities (IMDG)	:	SP277
Excepted quantities (IMDG)	:	E0
Packing instructions (IMDG)	:	P207, LP200
Packing provisions (IMDG)	:	PP87, L2
EmS-No. (Fire)	:	F-D - FIRE SCHEDULE Delta - FLAMMABLE GASES
EmS-No. (Spillage)	:	S-U - SPILLAGE SCHEDULE Uniform - GASES (FLAMMABLE, TOXIC OR CORROSIVE)
Stowage category (IMDG)	:	None
Stowage and handling (IMDG)	:	SW1, SW22
Segregation (IMDG)	:	SG69

IATA

Class (IATA)	:	2.2 - Gases : Non-flammable, Non-toxic
PCA Excepted quantities (IATA)	:	E0
PCA Limited quantities (IATA)	:	Y203
PCA limited quantity max net quantity (IATA)	:	30kgG
PCA packing instructions (IATA)	:	203
PCA max net quantity (IATA)	:	75kg
CAO packing instructions (IATA)	:	203
CAO max net quantity (IATA)	:	150kg
Special provision (IATA)	:	A98, A145, A167, A802
ERG code (IATA)	:	2L

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

Toxic Substances Control Act (TSCA)

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Name	CAS-No.	Commercial status	Flags
Ethane, 1,1,2,2-tetrafluoro-1-(2,2,2-trifluoroethoxy)-	406-78-0	Active	PMN;S
Ethene, 1,2-dichloro-, (1E)-	156-60-5	Active	T

Carbon dioxide	124-38-9	Active	
Contains chemical(s) subject to TSCA 12b export notification if product is shipped outside the U.S			
Ethane, 1,1,2,2-tetrafluoro-1-(2,2,2-trifluoroethoxy)-	CAS-No. 406-78-0	30 – 60%	
Ethene, 1,2-dichloro-, (1E)-	CAS-No. 156-60-5	30 – 60%	

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

Not listed

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substance

CERCLA Section 103 (40CFR302.4)	Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.

CERCLA RQ	
Ethene, 1,2-dichloro-, (1E)- (156-60-5)	1000 lb

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986)

Section 302 Extremely Hazardous Substance

Not listed

Section 304 Emergency Release Notification

Not listed

Sections 311/312 Hazard Classification

Not listed

Section 313 (TRI Reporting)

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

No additional information available

15.3. US State regulations

California Proposition 65

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm. For more information go to www.P65Warnings.ca.gov

State Regulations

Component	State Regulations
Ethene, 1,2-dichloro-, (1E)-(156-60-5)	U.S. - Massachusetts - Right To Know List; U.S. - New York City - Right to Know Hazardous Substances List; U.S. - Pennsylvania - RTK (Right to Know) List
Carbon dioxide(124-38-9)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York City - Right to Know Hazardous Substances List; U.S. - Pennsylvania - RTK (Right to Know) List

15.4 Other Regulatory Information

Volatile organic compound (VOC) regulation

EPA

VOC content (40 CFR 51.100(s))	43.7 %
Consumer products (40 CFR 59, Subpt. C))	Not regulated.

State

Consumer products	Not regulated.
VOC Content (CA)	96 %
VOC Content (OTC)	43.7 %

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Author : Joshua Weir

Other information : CRC # 1755905.

Safety Data Sheet (SDS), USA, CRC

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