Weld-Aid® Weld-Kleen® HD2 Anti-Spatter, 12 Wt Oz

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue date: 9/19/2024 Version: 1.0

SECTION 1: Identification

1.1. Identification

Trade name	:	Weld-Aid® Weld-Kleen® HD2 Anti-Spatter, 12 Wt Oz
Product code	:	1756064
Part number	:	007036

1.2. Recommended use and restrictions on use

Recommended use	:	Protects parts, clamps, tooling, and fixtures
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 1	Extremely flammable aerosol. Pressurized container: may burst if heated.
Skin corrosion/irritation Category 2	Causes skin irritation.
Serious eye damage/eye irritation Category 2B	Causes eye irritation.
Reproductive toxicity Category 2	Suspected of damaging fertility or the unborn child.
Specific target organ toxicity – Single exposure, Category 3, Narcosis	May cause drowsiness or dizziness.
Aspiration hazard Category 1	May be fatal if swallowed and enters airways.
Hazardous to the aquatic environment – Acute Hazard Category 2	Toxic to aquatic life.
Hazardous to the aquatic environment – Chronic Hazard Category 2	Toxic 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) : Extremely flammable aerosol.
Pressurized container: may burst if heated
May be fatal if swallowed and enters airways
Causes skin irritation
Causes eye irritation

Precautionary statements (GHS US)	:	May cause drowsiness or dizziness Suspected of damaging fertility or the unborn child Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. 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. 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/protective clothing/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. If exposed or concerned: Get medical advice/attention. Store locked up. Store in a well-ventilated place. 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	:	Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.

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	%
Naphtha (petroleum), hydrotreated light	Naphtha (petroleum), hydrotreated light	CAS-No.: 64742-49-0	60 – 80
Petroleum gases, liquefied, sweetened	Petroleum gases, liquefied, sweetened	CAS-No.: 68476-86-8	15 – 40
Propane (Constituent)	Propane	CAS-No.: 74-98-6	10 – 30

Name	Chemical name / Synonyms	Product identifier	%
Butane (Constituent)	Butane	CAS-No.: 106-97-8	10 – 30

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 : Get medical advice/attention if you feel unwell.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.

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 : Do not induce vomiting. Call a physician immediately.

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

Symptoms/effects : Causes eye irritation. Causes skin irritation. May cause drowsiness or dizziness.

Symptoms/effects after inhalation : May cause drowsiness or dizziness.

Symptoms/effects after skin contact : Causes skin irritation.

Symptoms/effects after eye contact : 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 : Extremely flammable aerosol.

Explosion hazard : Pressurized container may rupture when exposed to heat or flame.

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.

Other information : This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

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 dust/fume/gas/mist/vapors/spray. 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 : Stop leak, if possible without risk. Wipe off as much as possible (using a clean, soft, absorbent material). 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. Notify authorities if product enters sewers or public waters.

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. Do not spray on an open flame or other ignition source. Pressurized container: 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. 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. Do not expose pregnant or breastfeeding women. Use caution around energized equipment. The metal container will conduct electricity if it contacts a live source. This may result in injury to the user from electrical shock and/or flash fire. Exposure to high temperature may cause can to burst. 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 3 Aerosol. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store locked up. Store in a well-ventilated place. Store in a cool, dry place out of direct sunlight.

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Propane (74-98-6)	
USA - OSHA - Occupational Exposure Limits	
Local name	Propane
OSHA PEL TWA	1800 mg/m³
	1000 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: Neoprene. Nitrile

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 : 137 – 147 °F Estimated

Flammability (solid, gas) : Extremely flammable aerosol.

Explosion limits : No data available

Flash point : < 0 °F Estimated

Auto-ignition temperature : No data available

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	:	5.56 lb/gal Concentrate
Relative density	:	0.667 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	:	Pressurized container: may burst if heated.
Oxidizing properties	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Extremely flammable aerosol. Pressurized container: may burst if heated.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Carbon oxides (CO, CO2).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Symptoms/effects	:	Causes eye irritation. Causes skin irritation. May cause drowsiness or dizziness.
Symptoms/effects after inhalation	:	May cause drowsiness or dizziness.
Symptoms/effects after skin contact	:	Causes skin irritation.
Symptoms/effects after eye contact	:	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)

Naphtha (petroleum), hydrotreated light (64742-49-0)	
LD50 oral rat	> 5000 mg/kg Source: IUCLID
LD50 dermal rat	2800 – 3100 mg/kg body weight Animal: rat
LD50 dermal rabbit	> 3160 mg/kg Source: IUCLID
LD50 dermal	> 2920 mg/kg body weight

Naphtha (petroleum), hydrotreated light (64742-49-0)	
LC50 Inhalation - Rat	> 23.3 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)
LC50 Inhalation - Rat [ppm]	73680 ppm Source: IUCLID

Petroleum gases, liquefied, sweetened (68476-86-8)	
LC50 Inhalation - Rat (Dust/Mist)	658 mg/l Source: IUCLID

Propane (74-98-6)	
LC50 Inhalation - Rat [ppm]	800000 ppm Source: ECHA

Butane (106-97-8)	
LC50 Inhalation - Rat [ppm]	> 800000 ppm Source: ECHA

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Causes eye irritation.

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 : Suspected of damaging fertility or the unborn child.

STOT-single exposure : May cause drowsiness or dizziness.

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

Naphtha (petroleum), hydrotreated light (64742-49-0)	
LOAEC (inhalation,rat,vapor,90 days)	16.6 mg/l air Animal: rat, Animal sex: male
NOAEC (inhalation,rat,vapor,90 days)	3.3 mg/l air Animal: rat, Animal sex: male

Petroleum gases, liquefied, sweetened (68476-86-8)	
LOAEC (inhalation,rat,gas,90 days)	12000 ppm Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other:

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

Viscosity, kinematic : No data available

Naphtha (petroleum), hydrotreated light (64742-49-0)	
Viscosity, kinematic	0.67 mm²/s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm²/s)'

SECTION 12: Ecological information

12.1. Toxicity

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

Naphtha (petroleum), hydrotreated light (64742-49-0)	
LC50 - Fish [1]	> 3 mg/l
LC50 - Other aquatic organisms [1]	2.6 mg/l Source: IUCLID
EC50 - Other aquatic organisms [1]	4.6 mg/l waterflea
EC50 - Other aquatic organisms [2]	10 mg/l
LOEC (chronic)	0.32 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	0.17 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

Propane (74-98-6)	
LC50 - Fish [1]	> 100 mg/l Source: IUCLID

Butane (106-97-8)	
LC50 - Fish [1]	27.98 mg/l Source: QSAR
EC50 96h - Algae [1]	16.47 mg/l Source: QSAR

12.2. Persistence and degradability

Weld-Aid® Weld-Kleen® HD2 Anti-Spatter, 12 Wt Oz	
Persistence and degradability	No data is available on the degradability of this product.

12.3. Bioaccumulative potential

Naphtha (petroleum), hydrotreated light (64742-49-0)	
Partition coefficient n-octanol/water (Log Pow)	2.1 – 6 Source: IUCLID

Petroleum gases, liquefied, sweetened (68476-86-8)	
Partition coefficient n-octanol/water (Log Pow)	≤ 2.8 Source: IUCLID

Propane (74-98-6)	
Partition coefficient n-octanol/water (Log Pow)	2.36

Butane (106-97-8)	
Partition coefficient n-octanol/water (Log Pow)	2.89 Source: ICSC

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 : Do not allow to enter sewers, surface or groundwater.

Product/Packaging disposal recommendations : Full or partially-full aerosol cans can be treated as universal waste. Empty container can be recycled. Dispose in a safe manner in accordance with local/national regulations.

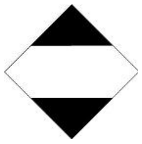
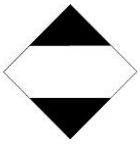
Hazardous waste code : Possible RCRA waste code includes:
D001: Ignitable Waste,

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

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

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, flammable, (Limited quantity)	AEROSOLS (Limited quantity)	Aerosols, 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		
Marine Pollutant Exception		

14.6. Special precautions for user

DOT

Class (DOT)	:	2.1 - Class 2.1 - Flammable gas 49 CFR 173.115
UN-No.(DOT)	:	UN1950
DOT Special Provisions (49 CFR 172.102)	:	N82 - See 173.306 of this subchapter for classification criteria for flammable aerosols.
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)	:	2.1 - Flammable 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)	:	2.1 - Gases : Flammable
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)	:	A145, A167, A802
ERG code (IATA)	:	10L

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
Naphtha (petroleum), hydrotreated light	64742-49-0	Active	
Petroleum gases, liquefied, sweetened	68476-86-8	Active	
Propane	74-98-6	Active	
Butane	106-97-8	Active	
SAFFLOWER OIL	Proprietary	Active	

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

Not listed

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

Not listed

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

Weld-Aid® Weld-Kleen® HD2 Anti-Spatter, 12 Wt Oz	
SARA Section 311/312 Hazard Classes	Physical hazard - Flammable (gases, aerosols, liquids, or solids) Health hazard - Skin corrosion or Irritation Health hazard - Serious eye damage or eye irritation Health hazard - Reproductive toxicity Health hazard - Aspiration hazard Health hazard - Specific target organ toxicity (single or repeated exposure)

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

WARNING: Cancer and Reproductive Harm - www.P65Warning.ca.gov

U.S. - California - Proposition 65 - Carcinogens List	
Ethylbenzene(100-41-4)	XLISTED

U.S. - California - Proposition 65 - Reproductive Toxicity - Male	
n-Hexane(110-54-3)	XLISTED

U.S. - California - Proposition 65 - Developmental Toxicity	
Toluene(108-88-3)	XLISTED

State Regulations

Component	State Regulations
Propane(74-98-6)	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
Butane(106-97-8)	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))	100 %
Consumer products (40 CFR 59, Subpt. C))	Not regulated.

State

Consumer products	Not regulated.
VOC Content (CA)	100 %
VOC Content (OTC)	100 %

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 # 1755896.

Safety Data Sheet (SDS), USA, CRC

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