

SAFETY DATA SHEET

SECTION 1) IDENTIFICATION

Product Name: E-WELD 4
SDS No.: L-147
Product Code: 53-F 403 (500 mL), 53-F 405 (3.78 L), 53-F 407 (20 L), 53-F 408 (208 L)
Revision Date: Jan 15, 2020 **Date Printed:** Jun 23, 2022
Version: 1.0 **Supersedes Date:** N.A.
Manufacturer's Name: Canada - Walter Surface Technologies Inc.
Address: 5977 Trans Canada Highway West Pointe-Claire, QC, CA, H9R 1C1
Emergency Phone: INFOTRAC® 1-800-535-5053. International call collect: 1-352-323-3500 24 hours/day, 7 days/week.
Information Phone Number: +1 (888) 592-5837
Fax: (514) 630-2825
Product/Recommended Uses: Weld spatter release emulsion.

SECTION 2) HAZARDS IDENTIFICATION

Type of product

Liquid

Classification

Flammable Liquids - Category 3

Pictograms



Signal Word

Warning

Hazardous Statements - Physical

H226 - Flammable liquid and vapor

Precautionary Statements - General

P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P103 - Read label before use.

Precautionary Statements - Prevention

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 - Keep container tightly closed.

P240 - Ground/bond container and receiving equipment.

P241 - Use explosion-proof electrical/ventilating/lighting equipment.

P242 - Use only non-sparking tools.

P243 - Take action to prevent static discharges.

P280 - Wear protective gloves,protective clothing,eye protection/face protection.

Precautionary Statements - Response

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P370 + P378 - In case of fire: Use carbon-di oxide, alcohol foam, water spray or dry chemical to extinguish.

Precautionary Statements - Storage

P403 + P235 - Store in a well-ventilated place. Keep cool.

Precautionary Statements - Disposal

P501 - Dispose of contents/container in accordance with local/national/international regulations.

Hazards Not Otherwise Classified (HNOC) (Physical & Health)

no data available

SECTION 3) COMPOSITION/INFORMATION ON INGREDIENTS

CAS	Chemical Name	% By Weight
0025322-68-3	POLY(ETHYLENE GLYCOL)	1.00% - 5.00%
0000099-87-6	CYMENE, P-	0.00%
0068647-72-3	TERPENES AND TERPENOID, SWEET ORANGE-OIL	0.00%
0000124-19-6	NONOYL ALDEHYDE	0.00%
0000110-93-0	5-HEPTEN-2-ONE, 6-METHYL-	0.00%
0000125-12-2	BICYCLO[2.2.1]HEPTAN-2-OL, 1,7,7-TRIMETHYL-, 2-ACETATE, (1R,2R,4R)-REL-	0.00%
0008008-57-9	OILS, ORANGE, SWEET	0.00%

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality.

SECTION 4) FIRST-AID MEASURES

Inhalation

Eliminate all ignition sources if safe to do so. Get medical advice/attention if you feel unwell or are concerned.

Eye Contact

If irritation occurs, cautiously rinse eyes with lukewarm, gently flowing water for 5 minutes, while holding the eyelids open. If eye irritation persists: Get medical advice/attention.

Skin Contact

Take off immediately contaminated clothing. Rinse skin with water/shower and mild soap for 5 minutes or until product is removed. Store contaminated clothing under water and wash before re-use or discard.

Ingestion

If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Never give anything by mouth to an unconscious person. Rinse mouth. If you feel unwell/If concerned: Get medical advice/attention.

Most important symptoms and effects, both acute and delayed

OVER-EXPOSURE SIGNS/SYMPTOMS

Eye Contact: Adverse symptoms may include pain or irritation, watering, redness.

Skin Contact: Adverse symptoms may include pain or irritation, redness.

Ingestion: Adverse symptoms may include stomach pains. No data available.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. Treatment should be supportive and based on the judgement of the physician in response to the reaction of the patient. Treat according to symptoms (decontamination, vital functions), no known specific antidote.

SECTION 5) FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Small Fire : Dry chemical, foam, carbon dioxide, water-spray or alcohol-resistant foam.

Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces.

Large Fire : Water spray, fog or alcohol-resistant foam.

Unsuitable Extinguishing Media

Do not use straight stream of water.

Specific Hazards in Case of Fire

In case of fire, hazardous decomposition products may include carbon oxides.

Fire will produce irritating gases.

Most vapors are heavier than air.

Vapors may form explosive mixtures with air

Vapors will spread along ground and collect in low or confined areas (sewers, basements, tanks)

Vapors may travel to source of ignition and flash back.

Many liquids are lighter than water.

Containers may explode in fire.

May form an ignitable vapor/air mixture in closed tanks or containers.

Fire-fighting Procedures

Isolate immediate hazard area and keep unauthorized personnel out.

Stop spill/release if it can be done safely.

Move undamaged containers from immediate hazard area if it can be done safely.

Cool containers with flooding quantities of water until well after fire is out.

Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid.

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Special Protective Actions

Wear protective pressure self-contained breathing apparatus (SCBA) and full turnout gear.

SECTION 6) ACCIDENTAL RELEASE MEASURES

Emergency Procedure

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). All equipment used when handling the product must be grounded. Evacuate and isolate hazard area and keep unauthorized personnel away. Stay uphill and/or upstream. A vapor-suppressing foam may be used to reduce vapors. Ventilate closed spaces before entering. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

Recommended Equipment

Wear chemical protective clothing and positive pressure self-contained breathing apparatus (SCBA).

Personal Precautions

Avoid breathing vapor or mist. Avoid contact with skin, eye or clothing.

Environmental Precautions

Notify authorities if any exposure to the general public or the environment occurs or is likely to occur. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers. Dike far ahead of liquid spill for later disposal.

Methods and Materials for Containment and Cleaning up

Stop spill/release if it can be done safely. Move containers from spill area. Dilute with water and mop up if water-soluble. Dispose of contaminated materials according to federal, state and local regulations. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use clean, non-sparking tools to collect absorbed material. Ventilate area after clean-up is complete.

SECTION 7) HANDLING AND STORAGE

General

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Wash hands after use. Avoid contact with skin, eye or clothing. Avoid breathing vapor or mist. Use good personal hygiene practices. Eating, drinking and smoking in work areas is prohibited. Remove contaminated clothing and protective equipment before entering eating areas. All containers must be properly labelled.

Ventilation Requirements

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. Report ventilation failures immediately.

Storage Room Requirements

If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Store in cool, dry, well-ventilated areas away from heat, direct sunlight and strong oxidizers. Store in approved containers and protect against physical damage. Containers that have been opened must be carefully resealed to prevent leakage. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes. Take precautionary measures against electrostatic discharge. To avoid fire or explosion, dissipate static electricity during transfer by ground and bonding containers and equipment before transferring material. Use non-sparking ventilation systems, approved explosion-proof equipment and intrinsically safe electrical systems in areas where this product is used and stored. Empty containers retain residue and may be dangerous.

SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye protection

Wear eye protection with side shields or goggles. Wear indirect-vent, impact and splash resistant goggles when working with liquids.

Skin Protection

Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Use of an apron and over-boots of chemically impervious materials such as neoprene or nitrile rubber. Launder soiled clothes or properly disposed of contaminated material, which cannot be decontaminated.

Respiratory protection

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 should be followed. Check with respiratory protective equipment suppliers.

Appropriate Engineering Controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Chemical Name	ACGIH TWA (mg/m ³)	ACGIH TWA (ppm)	ACGIH STEL (mg/m ³)	ACGIH STEL (ppm)	ACGIH Carcinogen	ACGIH TLV Basis	ACGIH Notations	OSHA TWA (mg/m ³)
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Chemical Name	OSHA TWA (ppm)	OSHA STEL (mg/m ³)	OSHA STEL (ppm)	OSHA Carcinogen	OSHA Tables (Z1, Z2, Z3)	OSHA Skin designation	CAN_ONtmg	CAN_ONtppm
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Chemical Name	CAN_ONsmg	CAN_ONsppm	NIOSH STEL (ppm)	NIOSH TWA (mg/m ³)	NIOSH TWA (ppm)	NIOSH STEL (mg/m ³)	NIOSH Carcinogen
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A4 - Not Classifiable as a Human Carcinogen, DSEN - Dermal sensitization, irr - Irritation

The information in this Section does not list non-hazardous components that might have relevant CAN_ONtmg, CAN_ONtppm, ACGIH TWA (mg/m³), ACGIH TWA (ppm), ACGIH Carcinogen, ACGIH TLV Basis, ACGIH Notations regulatory values, if they are present at less than 1%. Please contact manufacturer for more information.

SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

% VOC	0.00%
Density	0.99 g/ml
Density VOC	0.00 lb/gal
Specific Gravity	N/A
Appearance	White milky liquid

Odor Threshold	N/A
Odour	Citrus
pH	9.00
Water Solubility	N/A
Flammability	
Flash Point Symbol	N/A
Flash Point	N/A
Viscosity	N/A
Lower Explosion Level	N/A
Upper Explosion Level	N/A
Vapor Density	N/A
Freezing Point	0.00 °C
Melting Point	0.00 °C
Initial Boiling Point and Boiling Point Range	98.00 °C
Auto Ignition Temp	N/A
Evaporation Rate	N/A
Coefficient Water/Oil	N/A
Vapor Pressure	N/A
Decomposition Pt	N/A

SECTION 10) STABILITY AND REACTIVITY

Stability

Stable under normal storage and handling conditions.

Conditions To Avoid

Avoid all possible sources of ignition, heat, sparks, flame, build up of static electricity and contact with incompatible materials.

Hazardous Reactions/Polymerization

Will not occur.

Incompatible Materials

Strong bases, acids, and oxidizing agents.

Hazardous Decomposition Products

Oxides of carbon.

SECTION 11) TOXICOLOGICAL INFORMATION

Acute Toxicity

Based on available data, the classification criteria are not met.

The Acute Toxicity Estimate (ATE) for an oral exposure to this mixture is >5000 mg/kg body weight

The Acute Toxicity Estimate (ATE) for a dermal exposure to this mixture is >5000 mg/kg body weight

The Acute Toxicity Estimate (ATE) for an inhalation (vapour) exposure to this mixture is >20 mg/l

Aspiration Hazard

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Germ Cell Mutagenicity

Based on available data, the classification criteria are not met.

Reproductive Toxicity

Based on available data, the classification criteria are not met.

Respiratory/Skin Sensitization

Based on available data, the classification criteria are not met.

Serious Eye Damage/Irritation

OVER-EXPOSURE SIGNS/SYMPTOMS: Adverse symptoms may include pain or irritation, watering, redness.

Based on available data, the classification criteria are not met.

Skin Corrosion/Irritation

OVER-EXPOSURE SIGNS/SYMPTOMS: Adverse symptoms may include pain or irritation, redness.

Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity - Repeated Exposure

Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity - Single Exposure

Based on available data, the classification criteria are not met.

Likely Routes of Exposure

Inhalation, Ingestion, Skin contact, Eye contact

SECTION 12) ECOLOGICAL INFORMATION

Toxicity

Based on available data, the classification criteria are not met.

Persistence and Degradability

No data available.

Bioaccumulative Potential

No data available.

Mobility in Soil

No data available.

Other Adverse Effects

No data available.

SECTION 13) DISPOSAL CONSIDERATIONS

Waste Disposal

Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. It is the responsibility of the user of the product to determine at the time of disposal whether the product meets local criteria for hazardous waste. Waste management should be in full compliance with national, state and local laws. Empty Containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes.

SECTION 14) TRANSPORT INFORMATION

	IATA Information	IMDG Information	U.S. DOT Information	Canada TDG Information
UN number:	UN1993	UN1993	UN1993	UN1993

Proper shipping name:	Flammable liquids, n.o.s. (1,4-Cyclohexadiene, 1-methyl-4-(1-methylethyl)-, 5-Hepten-2-one, 6-methyl-, BETA-PINENE, Cyclohexene, 1-methyl-4-(1-methylethylidene)-, CYMENE, P-, ISOPARAFFINIC PETROLEUM DISTILLATE, METHYL, ISOPROPENYL CYCLOHEXANE, Oils, orange, sweet, Terpenes and Terpenoids, sweet orange-oil)	Flammable liquids, n.o.s. (1,4-Cyclohexadiene, 1-methyl-4-(1-methylethyl)-, 5-Hepten-2-one, 6-methyl-, BETA-PINENE, Cyclohexene, 1-methyl-4-(1-methylethylidene)-, CYMENE, P-, ISOPARAFFINIC PETROLEUM DISTILLATE, METHYL, ISOPROPENYL CYCLOHEXANE, Oils, orange, sweet, Terpenes and Terpenoids, sweet orange-oil)	Flammable liquids, n.o.s. (1,4-Cyclohexadiene, 1-methyl-4-(1-methylethyl)-, 5-Hepten-2-one, 6-methyl-, BETA-PINENE, Cyclohexene, 1-methyl-4-(1-methylethylidene)-, CYMENE, P-, ISOPARAFFINIC PETROLEUM DISTILLATE, METHYL, ISOPROPENYL CYCLOHEXANE, Oils, orange, sweet, Terpenes and Terpenoids, sweet orange-oil)	Flammable liquids, n.o.s. (1,4-Cyclohexadiene, 1-methyl-4-(1-methylethyl)-, 5-Hepten-2-one, 6-methyl-, BETA-PINENE, Cyclohexene, 1-methyl-4-(1-methylethylidene)-, CYMENE, P-, ISOPARAFFINIC PETROLEUM DISTILLATE, METHYL, ISOPROPENYL CYCLOHEXANE, Oils, orange, sweet, Terpenes and Terpenoids, sweet orange-oil)
Hazard class:				3
Hazard class:	3	3	3	
Packaging group:	III	III	III	III
Hazardous substance (RQ):			No Data Available	
Marine Pollutant:	NA	No Data Available	No Data Available	No Data Available
Note / Special Provision:	No Data Available	No Data Available	No Data Available	No Data Available
Toxic-Inhalation Hazard:	NA	NA	No Data Available	No Data Available

SECTION 15) REGULATORY INFORMATION

U.S. Federal regulations

United States inventory (TSCA 8b): All components are listed or exempted.

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)

None of the components are listed.

Clean Air Act Section 602 Class I Substances

None of the components are listed.

Clean Air Act Section 602 Class II Substances

None of the components are listed.

DEA List I Chemicals (Precursor Chemicals)

None of the components are listed.

DEA List II Chemicals (Essential Chemicals)

None of the components are listed.

SARA 302/304

None of the components are listed.

SARA 313

None of the components are listed.

SARA 311/312

None of the components are listed.

States regulations

New Jersey : The following components are listed: Polyethylene glycol 25322-68-3.

Pennsylvania : The following components are listed: Polyethylene glycol 25322-68-3.

New York : None of the components are listed.

Massachusetts : None of the components are listed.

Canada

Canadian NPRI : None of the components are listed.

CEPA toxic substance : None of the components are listed.

Canada inventory (DSL NDSL) : All components are listed or exempted.

California Proposition 65

CAS	Chemical Name	% By Weight	Regulation List
0025322-68-3	POLY(ETHYLENE GLYCOL)	1.00% - 5%	DSL,SARA312,TSCA
0000099-87-6	CYMENE, P-	Trace	DSL,SARA312,TSCA
0068647-72-3	TERPENES AND TERPENOIDS, SWEET ORANGE-OIL	Trace	DSL,SARA312,TSCA
0000124-19-6	NONOYL ALDEHYDE	Trace	DSL,SARA312,TSCA
0000110-93-0	5-HEPTEN-2-ONE, 6-METHYL-	Trace	DSL,SARA312,TSCA
0000125-12-2	BICYCLO[2.2.1]HEPTAN-2-OL, 1,7,7 -TRIMETHYL-, 2-ACETATE, (1R,2R,4R)-REL-	Trace	DSL,SARA312,TSCA
0008008-57-9	OILS, ORANGE, SWEET	Trace	DSL,SARA312,TSCA

The information in this Section does not list non-hazardous components that might have relevant Canada_NPRI, DSL, SARA312, TSCA regulatory values, if they are present at less than 1%. Please contact manufacturer for more information.

Product does not contain any chemicals listed under California Proposition 65

SECTION 16) OTHER INFORMATION

Glossary

ACGIH - American Conference of Governmental Industrial Hygienists; CAS - Chemical Abstracts Service ; Chemtrec - Chemical Transportation Emergency Center; DSL - Domestic Substances List; ESL- Effects screening levels; GHS - "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations; HMIS - Hazardous Material Information Service; IATA - Dangerous Goods Regulations (DGR) for the air transport (IATA); IMDG - International Maritime Dangerous Goods Code; LC - Lethal Concentration; LD - Lethal Dose; NFPA - National Fire Protection Association; OEL - Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL - Permissible Exposure Limit; SARA 313 - Superfund Amendments and Reauthorization Act, Section 313; SCBA - Self Contained Breathing Apparatus; ppm - parts per million; STEL - Short-term exposure limit; TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act Public Law 94-469; TWA - Time-weighted average; US DOT- US Department of Transportation.

DISCLAIMER

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.