

SAFETY DATA SHEET

SECTION 1) CHEMICAL PRODUCT AND MANUFACTURER'S IDENTIFICATION

Product Name: E-WELD 4
Synonym: L-177
Product Code: 53-F 402 (400 mL)

Revision Date: Oct 07, 2022 **Date Printed:** Oct 19, 2022
Version: 2.0 **Supersedes Date:** Jan 15, 2020

Manufacturer's Name: United States - Walter Surface Technologies Inc.
Address: 810 Day Hill Road Windsor, CT, US, 06095
Emergency Phone: INFOTRAC® 1-800-535-5053. International call collect: 1-352-323-3500 24 hours/day, 7 days/week.
Information Phone Number: +1 (866) 592-5837
Fax:
Product/Recommended Uses: Weld spatter release emulsion.

SECTION 2) HAZARDS IDENTIFICATION

Classification

Aerosols - Category 3

Gases Under Pressure Compressed Gas

Safety data sheet prepared in accordance to the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS).

Pictograms



Signal Word

Warning

Hazardous Statements - Physical

H229 - Pressurised container: May burst if heated

H280 - Contains gas under pressure; may explode if heated

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.

P251 - Do not pierce or burn, even after use.

Precautionary Statements - Response

No precautionary statement available.

Precautionary Statements - Storage

P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P410 + P403 - Protect from sunlight. Store in a well-ventilated place.

Precautionary Statements - Disposal

No precautionary statement available.

SECTION 3) COMPOSITION/INFORMATION ON INGREDIENTS

CAS	Chemical Name	% By Weight
0007727-37-9	NITROGEN	3.00% - 7.00%
0067762-38-3	FATTY ACIDS, C16-18 AND C18-UNSATD., ME ESTERS	1.00% - 5.00%
0025322-68-3	POLYETHYLENE GLYCOL	1.00% - 5.00%

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.

Remove source of exposure or move person to fresh air and keep comfortable for breathing.

Immediately call a POISON CENTER or doctor.

Specific treatment is urgent (see First-Aid on this label).

If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by the POISON CENTER/doctor.

Eye Contact

If eye irritation persists:

Get medical advice/attention.

Remove source of exposure.

Immediately call a POISON CENTER/doctor and follow their advice.

Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open.

Remove contact lenses, if present and easy to do.

Specific treatment is urgent (see First-Aid on this label).

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.

Remove source of exposure.

For brief contact with a small amount: Rewarm with body heat.

Get immediate medical advice/attention.

For extensive contact or a large amount: Immediately call a POISON CENTER/doctor and follow their advice.

Specific treatment is urgent (see First-Aid on this label).

Ingestion

Rinse mouth.

Do NOT induce vomiting. If vomiting occurs naturally, lie on your side, in the recovery position. Immediately call a POISON CENTER or doctor.

Most important symptoms and effects, both acute and delayed

No data available.

Indication of any immediate medical attention and special treatment needed

Treat according to symptoms (decontamination, vital functions), no known specific antidote. Treatment should be supportive and based on the judgement of the physician in response to the reaction of the patient.

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

Fire will produce irritating gases. Contents under pressure. May be ignited by friction, heat, sparks or flames. Containers can explode in a fire. Containers exposed to heat and flames may rupture with violent force. Cylinders exposed to fire may vent and release gas through pressure relief devices. Vapors may travel to source of ignition and flash back. Vapors will spread along ground and collect in low or confined areas (sewers, basements, tanks)

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. 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

Evacuate and isolate hazard area and keep unauthorized personnel away. Stay uphill and/or upstream. Ventilate closed spaces before entering. Isolate area until aerosol has dispersed. Do not walk through released material. A vapor-suppressing foam may be used to reduce vapors. 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 aerosol. Avoid contact with skin, eye or clothing.

Environmental Precautions

Stop spill/release if it can be done safely. Suppress aerosol with water spray jet. Avoid allowing water runoff to contact spilled material. Prevent spreading of vapors through sewers, ventilation systems and confined areas. 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

Rinse away with water. Dispose of contaminated materials according to federal, state and local regulations. 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

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

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	OSHA Tables (Z1, Z2, Z3)	OSHA Carcinogen	OSHA TWA (ppm)	OSHA TWA (mg/m3)	OSHA STEL (ppm)	OSHA STEL (mg/m3)	ACGIH TWA (ppm)	ACGIH TWA (mg/m3)
NITROGEN								

Chemical Name	ACGIH STEL (ppm)	ACGIH STEL (mg/m3)	NIOSH TWA (ppm)	NIOSH TWA (mg/m3)	NIOSH STEL (ppm)	NIOSH STEL (mg/m3)	ACGIH Carcinogen	NIOSH Carcinogen
NITROGEN	Simple asphyxiant (D)							

Chemical Name	ACGIH TLV Basis	ACGIH Notations	OSHA Skin designation
NITROGEN	Asphyxia		

(C) - Ceiling limit, (IFV) - Inhalable fraction and vapor, A2 - Suspected Human Carcinogen, A4 - Not Classifiable as a Human Carcinogen, CNS - Central nervous system, dam - Damage, DSEN - Dermal sensitization, eff - Effects, impair - Impairment, irr - Irritation, URT - Upper respiratory tract

The information in this Section does not list non-hazardous components that might have relevant ACGIH TLV Basis, ACGIH Notations, NIOSH TWA (ppm), NIOSH TWA (mg/m3), ACGIH Carcinogen, NIOSH Carcinogen, OSHA Tables (Z1, Z2, Z3), OSHA Carcinogen, OSHA TWA (ppm), OSHA TWA (mg/m3), ACGIH TWA (ppm), ACGIH TWA (mg/m3) regulatory values, if they are present at less than 1%. Please contact manufacturer for more information.

SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

Density	1.01 g/ml
% Solids By Weight	N/A
% VOC	0.00%
<hr/>	
Appearance	White milky liquid
Odor Threshold	Citrus
pH	9.00
Flammability	Flash point at or above 200°F/93°C
Freezing Point	32.00 °F
Flash Point	N/A
Low Boiling Point	208.00 °F
High Boiling Point	212.00 °F

Auto Ignition Temp	N/A
Vapor Density	N/A
Vapor Pressure	N/A
Evaporation Rate	N/A
Upper Explosion Level	N/A
Lower Explosion Level	N/A
Water Solubility	Soluble in water
Coefficient Water/Oil	N/A
Kinematic Viscosity	N/A
Kinematic Viscosity Temperature	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

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

Skin Corrosion/Irritation

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

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

UN Number: UN1950

Proper shipping name: Aerosols, non-flammable, (each not exceeding 1 L capacity)

Transport Hazard class(es): 2.2

Environmental hazards: No Data Available

Special precautions for user: No Data Available

IMDG Information

Special precautions for user: No Data Available

UN Number: UN1950

Proper shipping name: Aerosols, non-flammable, (each not exceeding 1 L capacity)

Transport Hazard class(es): 2.2

Environmental hazards: No Data Available

U.S. DOT Information

UN Number: UN1950

Proper shipping name: Aerosols, non-flammable, (each not exceeding 1 L capacity)

Transport Hazard class(es): 2.2
Environmental hazards: No Data Available
Special precautions for user: No Data Available

Canada TDG Information

Proper shipping name: Aerosols, non-flammable, (each not exceeding 1 L capacity)
UN Number: UN1950
Transport Hazard class(es): 2.2
Environmental hazards: No Data Available
Special precautions for user: No Data Available

SECTION 15) REGULATORY INFORMATION

CAS	Chemical Name	% By Weight	Regulation List
0007727-37-9	NITROGEN	3% - 7%	DSL,SARA312,TSCA,MA_RightToKnow - MASSACHUSETTS RIGHT TO KNOW
0067762-38-3	FATTY ACIDS, C16-18 AND C18-UNSATD., ME ESTERS	1.00% - 5%	DSL,SARA312,TSCA
0025322-68-3	POLYETHYLENE GLYCOL	1.00% - 5%	DSL,SARA312,TSCA

The information in this Section does not list non-hazardous components that might have relevant CA_Prop65 - California Proposition 65, CA_Prop65_Type_Toxicity_Cancer - CA_Proposition65_Type_Toxicity_Cancer, CA_Prop65_Type_Toxicity_Develop - CA_Proposition65_Type_Toxicity_Developmental, CA_Prop65_Type_Toxicity_Female - CA_Proposition65_Type_Toxicity_Female, CA_Prop65_Type_Toxicity_Male - CA_Proposition65_Type_Toxicity_Male, DHS_COI - DHS_Chemical Of Interest, DSL, EHS, HAPS, IARCCarcinogen, MA_RightToKnow - MASSACHUSETTS RIGHT TO KNOW, NEI - National Emissions Inventory, NTP_Carcinogen - National Toxicology Program Carcinogens, SARA312, TSCA regulatory values, if they are present at less than 1%. Please contact manufacturer for more information.



WARNING:This product can expose you to chemicals including ETHYLENE OXIDE which is known to the State of California to cause cancer, and ETHYLENE OXIDE which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

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.

Version 1.0:

Revision Date: Oct 19, 2022
Version 1.0

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.