

ER-83C

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: ER-83C
SDS Number: ER-83C
Revision Date: 6/14/2022
Product Use: NDT Inspection hydrophilic emulsifier per AMS-2644/ ASTM E-1417

Supplier Details: Sherwin Inc.
5530 Borwick Avenue
South Gate, CA 90280

Phone: 562-861-6324
Email: sherwin@sherwininc.com
Internet: www.sherwininc.com

Emergency telephone number:

ChemTel 1-800-255-3924 in U.S.A, Canada, Puerto Rico and US Virgin Islands;
ChemTel +1-813-248-0585 outside U.S.A, Canada, Puerto Rico and US Virgin Islands
ChemTel Brazil: 0-800-591-6042, China: 400-120-0751, India: 000-800-100-4086 and Mexico: 800-099-0731

2 HAZARDS IDENTIFICATION

Classification of Substance

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Health, Serious Eye Damage/Eye Irritation, 1
Health, Skin corrosion/irritation, 2
Health, Acute toxicity, 4 Oral

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:



GHS Hazard Statements:

H318 - Causes serious eye damage
H315 - Causes skin irritation
H302 - Harmful if swallowed

GHS Precautionary Statements:

P264 - Wash ... thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P312 - IF SWALLOWED: Call a POISON CENTER/ doctor/...if you feel unwell.
P302 + P352 - IF ON SKIN: Wash with plenty of water. If irritation persists get medical attention.
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.



ER-83C

3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients:		
CAS#	%	Chemical Name:
107-41-5	60-80%	2,4-Pentanediol, 2-methyl-
68439-46-3	20-40%	Alcohols, C9-11, ethoxylated

4 FIRST AID MEASURES

- Inhalation:** Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.
- Skin Contact:** Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor
- Eye Contact:** Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids to facilitate irrigation. Get immediate medical attention.
- Ingestion:** Clean mouth with water and drink afterwards plenty of water. Keep respiratory tract clear. Do NOT induce vomiting or attempt chemical neutralization. If symptoms persist, call a physician.

5 FIRE FIGHTING MEASURES

- Flash Point:** > 93 °C (> 200 °F)
- Flash Point Method:** ASTM D-93
- Autoignition Temp:** Not determined
- Lower Explosive Limit:** Not determined
- UEL:** Not determined
- Suitable extinguishing agents:** Foam, ABC powder, Carbon dioxide, Water fog or fine spray

Special hazards arising from the substance or mixture: Carbon oxides and nitrogen oxides

Protective equipment: Wear self-contained respiratory protective device. Wear fully protective suit

Unsuitable extinguishing media: High volume water jet

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation

Environmental precautions: Do not allow to enter storm sewers/ surface or ground water.

Methods and material for containment and cleaning up: Collect liquid in an appropriate container or absorb with an inert material such as vermiculite, dry sand, or earth; DO NOT use combustible materials. Dispose contaminated material as waste according to item 13. Ensure adequate ventilation..Place in a chemical waste container.

7 HANDLING AND STORAGE

- Handling Precautions:** Avoid contact with eyes, skin, or clothing. Consider normal working hygiene.
- Storage Requirements:** Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully re-sealed and kept upright to prevent leakage. Containers may be hazardous when empty since residue liquid may be present

ER-83C

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: General and local exhaust ventilation is recommended to maintain exposures below recommended limits. Where concentrations are above recommended limits, respiratory protection should be worn. e.g., organic vapor cartridge with a particulate pre-filter.

Personal Protective Equipment: Chemical resistant gloves;
Chemical safety glasses;
Impervious clothing.

Exposure Limits:

CAS No.	Components	Value type	Value	Basis
107-41-5	2,4-Pentanediol, 2-methyl-	TWA	25 ppm	ACGIH

Engineering Controls: General and local exhaust ventilation is recommended to maintain exposures below recommended limits. Where concentrations are above recommended limits, respiratory protection should be worn. e.g., organic vapor cartridge with a particulate pre-filter.

Personal Protective Equipment:

Chemical resistant gloves;
Chemical safety glasses;
Impervious clothing.



General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with eyes and skin.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Pink	Odor:	Mild
Physical State:	Liquid	Solubility:	Soluble in water
Spec Grav./Density:	0.99	Flash Point:	> 93 °C (> 199 °F) (ASTM D-93)
Viscosity:	Kinematic at 16.4 °C (100 °F): 35.4 cSts (ASTM D455)	Vapor Density:	Not determined
Boiling Point:	198 °C (388 °F)	Auto-Ignition Temp:	No data available
Vapor Pressure:	< 0.1 mmHg @ 20 °C (68 °F)	UFL/LFL:	No data available
pH:	Not applicable		
Evaporation Rate:	Not determined		

10 STABILITY AND REACTIVITY

Reactivity: No dangerous reaction under normal use.

Chemical Stability: Product is stable under normal conditions.

Conditions to Avoid: Elevated temperatures

Materials to Avoid: Strong Acids;
Strong Bases
Strong Oxidizing Agents.



ER-83C

Hazardous Decomposition: Carbon oxides
Hazardous Polymerization: Will not occur.

11 TOXICOLOGICAL INFORMATION

Serious eye damage/eye irritation

68439-46-3:
 Species: Rabbit
 Result: Irritating to eyes

Acute Toxicity

68439-46-3:
 Acute oral toxicity: Moderately toxic after single ingestion.
 Acute dermal toxicity: Acute toxicity estimate: LD50 (Rat)>2,000 mg/kg

Skin corrosion/irritation

68439-46-3:
 Species: Rabbit
 Result: No skin irritation

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

STOT - single exposure: No data available
 STOT - repeated exposure: No data available

12 ECOLOGICAL INFORMATION

Ecotoxicity

68439-46-3:
 Toxicity to fish: LC50 (Pimephales promelas (fathead minnow)): 12 mg/l Exposure time: 96 h
 Toxicity to daphnia and other invertebrates: EC50 (Daphina magna (water flea)): 5.4 mg/l Exposure time: 48 h
 Toxicity to algae: ErC50 (Desmodesmus subspicatus (green algae)): >8.9 mg/l Exposure time: 72 h

Acute aquatic toxicity assessment: Harmful to aquatic life

Persistence and degradability

No data available.

Bioaccumulative potential

No data available

Mobility in soil

No data available

13 DISPOSAL CONSIDERATIONS

Dispose of in accordance with all applicable local, state and federal regulations



ER-83C

Empty containers may retain product residue (liquid and/or vapor) and can be dangerous.

14 TRANSPORT INFORMATION

DOT, IATA, IMDG

Not regulated

15 REGULATORY INFORMATION

TSCA All components are on the Inventory list

US federal regulations

CERCLA Hazardous Substance List (40 CFR 302.4)

Any calculated RQ exceeds any reasonably attainable limit.

SARA 311/312 Hazard classes

Immediate Hazard - Yes

Delayed Hazard - Yes

Fire Hazard - No

Pressure Hazard - No

Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

16 OTHER INFORMATION

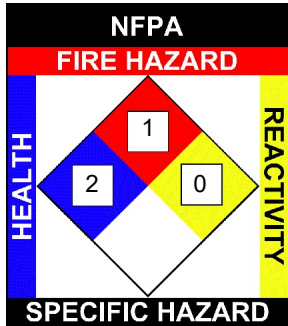


SAFETY DATA SHEET

SHERWIN INC.

ER-83C

NFPA: Health = 2, Fire = 1, Reactivity = 0, Specific Hazard = n/a



This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Author: Sherwin Inc.

Publication Date: June 14, 2022

Revision No. 1

Revision Date: 6/14/2022