

FGP-20

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: FGP-20
SDS Number: FGP-20
Revision Date: 6/14/2022
Product Use: NDT Inspection penetrant "Type 1 Methods "A" and "C" 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: 01-800-099-0731

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:

P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P264 - Wash ... thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
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. Immediately call a POISON CENTER/doctor.
P312 - Call a POISON CENTER/doctor/...if you feel unwell.
P337 + P313 - If eye irritation persists: Get medical advice/attention.
P362 + P364 - Take off contaminated clothing and wash it before reuse.
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.



FGP-20

3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients:		
CAS#	%	Chemical Name:
84133-50-6	20-50%	Alcohols, C12-14-secondary, ethoxylated
112-34-5	10-30%	Diethylene glycol monobutyl ether
0	50%	Water

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:** Water haze, Foam, ABC powder
- Special hazards arising from the substance or mixture:** Carbon monoxide, carbon dioxide, 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.

FGP-20

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

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:	Use mechanical (general) ventilation for storage areas.
Personal Protective Equipment:	Chemical resistant gloves; Chemical safety glasses; No personal respiratory protective equipment normally required. In case of vapor formation or aerosols use an organic vapor respirator with dust, mist, and fume filters; Impervious clothing.
Exposure Limits:	Diethylene glycol monobutyl ether 112-34-5 ACGIH TWA (inhalable fraction and vapor) 10 ppm

Engineering controls: . General ventilation should be sufficient for most operations. In case of vapor formation or aerosols, use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines



General protective and hygienic measures:

- No personal respiratory protective equipment normally required. In case of vapor formation or aerosols use an organic vapor respirator with dust, mist, and fume filters;
- 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:	Yellow fluorescent	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 37.8 °C (100 °F): 17 cSts (ASTM D455)	Vapor Density:	Not determined
Boiling Point:	Initial 100 °C (212 °F)	Auto-Ignition Temp:	No data available
Vapor Pressure:	Not determined	UFL/LFL:	No data available
pH:	5.5 - 8.0 @ 20 - 25 °C (68 - 77 °F)		
Evaporation Rate:	Not determined		

10 STABILITY AND REACTIVITY

Reactivity: No dangerous reaction under normal use.



FGP-20

Chemical Stability: Product is stable under normal conditions.
Conditions to Avolidentification: Elevated temperatures
Materials to Avolidentification: Strong Acids;
Strong Bases
Strong Oxidizing Agents
Strong Reducing Agents
Hazardous Decomposition: No dangerous decomposition products known
Hazardous Polymerization: Will not occur.

11 TOXICOLOGICAL INFORMATION

Risk of serious damage to eyes.
Irritating to skin.

Acute oral toxicity: LD/50 (Rat) estimated >2000 mg/kg
Acute dermall toxicity: LD/50 (Rabbit) estimated >10,000 mg/kg
Acute ihalation toxicity: LC/50 (Rat, 4 hour) estimated >5 mg/l

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 antici-pated carcinogen by NTP.

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

12 ECOLOGICAL INFORMATION

Ecotoxcity

84133-50-6 Secondary alcohol ethoxylates : LC50/96h: expected to be >10 mg/l (Fish)
EC50/48h: expected to be > 20 mg/l (daphnia)

This product has no known chronic ecotoxicological effect

Persistency 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

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

14 TRANSPORT INFORMATION



FGP-20

DOT, IATA, IMDG

Not regulated

15 REGULATORY INFORMATION

Toxic Substances Control Act, TSCA: All components listed

SARA 302: No chemicals in this product are subject to reporting requirements of SARA Title III, Section 302

SARA 304 Emergency release notification: Not regulated.

SARA 311/312 Hazards: Immediate (acute) health hazard

SARA 313: The following component is subject to reporting level established by SARA Title III, Section 313:

112-34-5 Diethylene glycol monobutyl ether

CERCLA Reportable Quantity: Does not have any components that would reasonably exceed a RQ.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List: 112-34-5 Diethylene glycol monobutyl ether

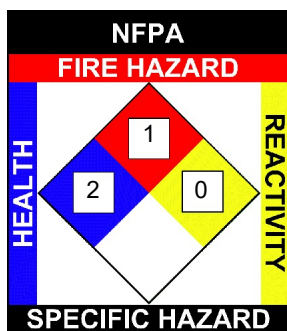
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): Not regulated.

Safe Drinking Water Act: Not regulated.

Waste Classification: This product does not meet RCRA's characteristic definition of ignitibility, corrosivity, or reactivity and is not a listed waste nor listed in 40CFR 261.33

16 OTHER INFORMATION

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. 0

Revision Date: 6/14/2022