

DP-52

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: DP-52
SDS Number: DP-52
Revision Date: 6/14/2022
Product Use: NDT Inspection penetrant "Type 1 Methods "A" and "C"
Supplier Details: Sherwin Inc.
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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, Aspiration hazard, 1
Health, Serious Eye Damage/Eye Irritation, 1
Health, Skin corrosion/irritation, 2
Health, Reproductive toxicity, 2
Health, Specific target organ toxicity - Repeated exposure, 2
Health, Specific target organ toxicity - Single exposure, 3
Physical, Flammable Liquids, 4

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:



GHS Hazard Statements:

H304 - May be fatal if swallowed and enters airways
H318 - Causes serious eye damage
H315 - Causes skin irritation
H361 - Suspected of damaging fertility or the unborn child - 2-Naphthalenol, 1-[2-[4-(2-phenyldiazenyl)phenyl]diazenyl]-, ar-heptyl ar',ar''-Me derivs. None of the ingredients are listed as carcinogenic by IARC, NTP or OSHA-Ca
H373 - May cause damage to organs through prolonged or repeated exposure - 2-Naphthalenol, 1-[2-[4-(2-phenyldiazenyl)phenyl]diazenyl]-, ar-heptyl ar',ar''-Me derivs.
H336 - May cause drowsiness or dizziness
H227 - Combustible liquid

GHS Precautionary Statements:

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P264 - Wash ... thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P310 - IF SWALLOWED: Immediately call a doctor
P302 + P352 - IF ON SKIN: Wash with plenty of water. If irritation persists get medical attention.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.



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Continue rinsing.
P331 - Do NOT induce vomiting.
P332 + P313 - If skin irritation occurs: Get medical advice/attention.
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
P403 + P235 - Store in a well-ventilated place. Keep cool.
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

3 COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Ingredients: | | |
|-----------------------|--------|---|
| CAS# | % | Chemical Name: |
| 84133-50-6 | 10-30% | Alcohols, C12-14-secondary, ethoxylated |
| 64742-47-8 | 25-50% | Distillates (petroleum), hydrotreated light |
| 64742-52-5 | 10-30% | Distillates (petroleum), hydrotreated heavy naphthenic |
| 25322-68-3 | <3% | Polyethylene glycols |
| 64742-53-6 | <2% | Distillates (petroleum), hydrotreated light naphthenic |
| 92257-31-3 | <2% | 2-Naphthalenol, 1-[2-[4-(2-phenyldiazenyl)phenyl]diazenyl]-, ar-heptyl ar',ar"-Me derivs. |

Additional information:

The classification as a carcinogen need not to apply because the hydrotreated light naphthenic distillates solvent present, contains less than 3 % DMSO extract as measured by IP 346 (Dir. 2001/59/EC)

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 and carbon dioxide

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

Unsuitable extinguishing media: High volume water jet

6 ACCIDENTAL RELEASE MEASURES

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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

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:

| CAS NO. | COMPONENT | Exposure Limit |
|------------|--|---|
| 25322-68-3 | Poyethylene glycol | 10 mg/m3 TWA |
| 64742-52-5 | Distillates (petroleum), hydrotreated heavy naphthenic | 5mg/m3 10 hours TWA Mist ACGIH 10 mg/m3 15 minutes STEL Mist NIOSH |
| 64742-52-5 | Distillates (petroleum), hydrotreated light | 5mg/m3 10 hours TWA Mist OSHA |



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.



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9 PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|----------------------------|---|----------------------------|----------------------------|
| Appearance: | Red | Odor: | Mild |
| Physical State: | Liquid | Solubility: | Soluble in water |
| Spec Grav./Density: | 0.86 | Flash Point: | 71 °C (160 °F) (ASTM D-93) |
| Viscosity: | Kinematic at 37.8 °C (100 °F): 4.7 cSts (ASTM D455) | Vapor Density: | No data available |
| Boiling Point: | 179 °C (354 °F) Initial | Auto-Ignition Temp: | No data available |
| Vapor Pressure: | No data available | UFL/LFL: | No data available |
| pH: | Not determined | | |
| 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. |
| 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 >3000 mg/kg
Acute dermal toxicity: LD/50 (Rabbit) estimated >2000 mg/kg
Acute inhalation toxicity: 64742-47-8 LC50: >0.5 mg/l
LC50 Rat (1 hour): > 24.1 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 anticipated carcinogen by NTP.

Additional toxicological information:

92257-31-3 2-Naphthalenol, 1-[2-[4-(2-phenyldiazenyl)phenyl]diazenyl]-, ar-heptyl ar',ar''-Me derivs. shows the following dangers according to internally approved calculation methods for preparations:

: Carcinogenic Status:

Contains an o-Toluidine-based azo dye. Metabolic studies on some Azo-dyes, following prolonged skin or oral cavity contact, have detected reduction of azo bonds to aromatic amines. This product, therefore, could potentially metabolize to o-toluidine and o-aminoazotoluene upon prolonged skin or oral cavity contact. o-Toluidine and o-aminoazotoluene have been identified as animal carcinogens.

: Reproductive effects:

May affect reproductive system. Contains: a version of 2-Naphthalenol,1-[[4-(phenylazo)phenyl]azo]-,arheptyl ar',ar''-me derivatives. A reproductive screening study in rats with some versions of 2-Naphthalenol,1-[[4-(phenylazo)phenyl]azo]-,ar-heptyl ar'



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,ar"-me derivatives produced adverse effects on reproduction [ovarian atrophy; reduced litter size; reduced pup weight with no apparent abnormal morphology of the surviving pups] at 20 and 80 mg/kg/day. The relevance of these findings for humans is uncertain, but may be predictive of the potential to cause harm.

STOT

64742-47-8: Target Organs: Nervous system. Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.

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ECOLOGICAL INFORMATION

Ecotoxicity

84133-50-6 Secondary alcohol ethoxylates : LC50/96h: 3.5 - 4.9 mg/l (Fish)
EC50/48h: 3.1 mg/l (daphnia)

64742-47-8 Distillates, petroleum, hydrotreated: Not toxic to aquatic organisms (fish, daphnia, algae) up to water solubility

Persistence and degradability

Readily biodegradable.

Bioaccumulative potential

No data available

Mobility in soil

No data available

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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.

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TRANSPORT INFORMATION

DOT, IATA, IMDG

Not regulated

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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, Flammable

SARA 313: This product does not contain a chemical listed at or above de minimis concentration

CERCLA Reportable Quantity: Calculated RQ exceeds reasonably attainable upper limit.



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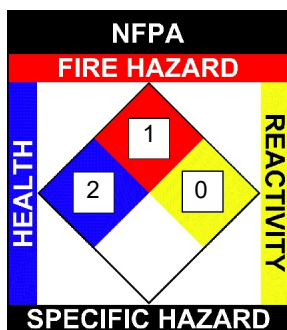
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List: Not regulated.

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

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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.

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