

## HM-430 California

### 1 PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier:** HM-430 California  
**SDS Number:** HM-430 California  
**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.  
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South Gate, CA 90280

**Phone:** 562-861-6324  
**Email:** sherwin@sherwininc.com  
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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, Acute toxicity, 4 Dermal  
Health, Acute toxicity, 4 Oral

#### 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  
H312 - Harmful in contact with skin  
H302 - Harmful if swallowed

#### GHS Precautionary Statements:

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 + P310 - IF SWALLOWED: Immediately call a POISON CENTER/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. Continue rinsing.  
P331 - Do NOT induce vomiting.  
P332 + P313 - If skin irritation occurs: Get medical advice/attention.  
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.



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### 3 COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Ingredients: |        |   |
|-----------------------|--------|---|
| CAS#                  | %      | Chemical Name:  |
| 84133-50-6            | 25-50% | Alcohols, C12-14-secondary, ethoxylated                                   |
| 64742-47-8            | 15-40% | Distillates (petroleum), hydrotreated light                               |
| 64742-52-5            | 15-40% | Distillates (petroleum), hydrotreated heavy naphthenic                    |
| 127087-87-0           | 15-40% | Poly (oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched |

NOTE: Product contains substances that have an exposure limits; see Section 8.

### 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

**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.



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### 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:**

| Substance Name   | Form               | Limit                      | Regulation/Source |
|--|--------------------|----------------------------|-------------------|
| Distillates (petroleum), hydrotreatedlight naphthenic                  | Inhalable fraction | TWA 5mg/m3, 8 hours        | ACGIH TLV         |
|  |                    | TWA 5mg/m3, 8 hours        | OSHA PEL          |
|  | Mist               | TWA 5mg/m3, 10 hours       | NIOSH REL         |
|  | Mist               | STEL 10mg/m3<br>15 minutes | NIOSH REL         |
| 1,2-Benedicarboxylic acid<br>DIC9-11 branched alkylesters,<br>C10 rich | Aerosol            | TWA 5mg/m3                 | ExxonMobil        |
| Polyethylene glycol  | Aerosol            | TWA 10mg/m3                | US WEEL           |



**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

|                            |   |                            |   |
|----------------------------|---|----------------------------|---|
| <b>Appearance:</b>         | Yellow fluorescent                                      | <b>Odor:</b>               | Mild                                      |
| <b>Physical State:</b>     | Liquid  | <b>Solubility:</b>         | Soluble in water                          |
| <b>Spec Grav./Density:</b> | 0.95  | <b>Flash Point:</b>        | > 93 °C (> 199 °F) (ASTM D-93)            |
| <b>Viscosity:</b>          | Kinematic at 37.8 °C (100 °F): 19.8 cSts<br>(ASTM D455) | <b>Vapor Density:</b>      | > 1 @ 20 - 25 °C (68 - 77 °F) (Air = 1.0) |
| <b>Boiling Point:</b>      | >200 °C (392 °F)  | <b>Auto-Ignition Temp:</b> | No data available                         |
| <b>Vapor Pressure:</b>     | < 0.1 mmHg @ 20 °C (68 °F)                              | <b>UFL/LFL:</b>            | No data available                         |
| <b>pH:</b>                 | 5.5 - 7.5 @ 1 % @ 20 - 25 °C (68 - 77 °F)               |                            |   |
| <b>Evaporation Rate:</b>   | Not determined  |                            |   |

## 10 STABILITY AND REACTIVITY

|  |   |
|--|---|
| <b>Reactivity:</b>                     | No dangerous reaction under normal use.                   |
| <b>Chemical Stability:</b>             | Product is stable under normal conditions.                |
| <b>Conditions to Avolentification:</b> | Elevated temperatures                                     |
| <b>Materials to Avolentification:</b>  | Strong Acids;<br>Strong Bases<br>Strong Oxidizing Agents. |
| <b>Hazardous Decomposition:</b>        | No dangerous decomposition products known                 |
| <b>Hazardous Polymerization:</b>       | 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 Dusts and mists LC50(rat) >10 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.

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

## 12 ECOLOGICAL INFORMATION

## Ecotoxicity



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

Toxic to aquatic life

### Persistence and degradability

Readily biodegradable.

### 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

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

**CERCLA Reportable Quantity:** None

**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

**Prop 65:**  **WARNING:** Cancer - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov). This warning is given to comply with California Health and Safety

Code 25249.6 and does not constitute an admission or a waiver of rights.

| Ingredient name   | Cancer | Reproductive harm | No significant risk level | Maximum acceptable dosage level |
|---|--------|-------------------|---------------------------|---------------------------------|
| 1,2-Benzenedicarboxylic acid<br>DIC9-11 branched alkylesters,<br>C10 rich | X      | Yes               |                           |                                 |
| Chrysene  | X      |                   | Yes <0.000061%            |                                 |

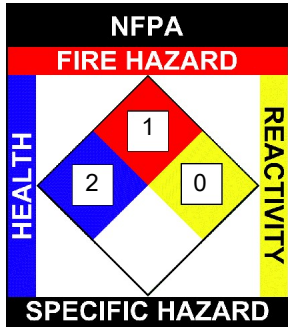


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### OTHER INFORMATION

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.

**Author:** Sherwin Inc.

**Publication Date:** June 14, 2022

**Revision No. 0**

Revision Date: 6/14/2022