



## Material Safety Data Sheet

### 1. IDENTIFICATION

**PRODUCT NAME:** H2-29ZFX-C  
**CHEMICAL NAME:** Cationic emulsion  
For emergencies call Chemtrec at 1-800-424-9300

### 2. HAZARD(S) IDENTIFICATION

#### EMERGENCY OVERVIEW:

This product is irritating to the eyes, respiratory system, and skin.

#### POTENTIAL HEALTH EFFECTS:

**EYES:** Irritant

**SKIN:** Irritant

**INGESTION:** May be harmful if swallowed. Seek medical attention.

**INHALATION:** Avoid prolonged inhalation of heated vapors.

**HMIS CODES:** HEALTH: 1 FIRE: 1 REACTIVITY: 0 PERS. PROT.: B  
**HMIS RATINGS NOTES:** KEY

This information is for people trained in the National Paint & Coatings Association's (NPCA) Hazardous Materials Identification System (HMIS).

4 = Severe  
3 = Serious  
2 = Moderate  
1 = Slight  
0 = Minimal  
\* = Chronic Hazard

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>CAS #</u>	<u>COMPONENT</u>	<u>PERCENT</u>
69418-26-4	Ethanaminium, N, N, N-trimethyl-2-[(1-oxo-2-propnyl) oxy]-, chloride, polymer with 2-propenamide	25-45
64742-47-8	Petroleum distillates, hydrotreated light	20-30
68551-12-2	Alcohols, C12-16, ethoxylated	1-3
68213-23-0	Alcohols, C12-18, ethoxylated	1-3

#### COMPONENT INFORMATION/ INFORMATION ON NON-HAZARDOUS COMPONENTS:

OSHA classifies this product as an eye, skin and respiratory irritant under CFR 29 1910.1200. All Components are 40 CFR TSCA listed.

### 4. FIRST-AID MEASURES

**EYES:** Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Seek medical attention.

**SKIN:** Flush thoroughly with water. If an irritation is observed and persists, seek medical attention.

**INGESTION:** Do not induce vomiting. Seek medical attention.

**INHALATION:** Inhalation of mists into lungs may cause irritation. Move victim to fresh air. Consult physician regarding any continued discomfort.

**5. FIRE-FIGHTING MEASURES**

**GENERAL FIRE HAZARDS:** Petroleum hydrocarbon component, if separated from product, is combustible.

**UPPER FLAMMABLE LIMIT (UFL):** Not Determined

**LOWER FLAMMABLE LIMIT (LFL):** Not Determined

**METHOD USED:** COC

**FLASH POINT:** >212F

**FLAMMABILITY CLASSIFICATION:** Not Determined

**AUTO IGNITION:** Not Determined

**HAZARDOUS COMBUSTION PRODUCTS:** On thermal decomposition oxides of carbon and nitrogen.

**EXTINGUISHING MEDIA:** Dry chemical, foam, carbon dioxide, water fog.

**FIRE FIGHTING EQUIPMENT/INSTRUCTIONS:** Firefighters should wear full protective clothing including self contained breathing apparatus.

**NFPA CODES: HEALTH: 1 FIRE: 1 REACTIVITY: 0**

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

**6. ACCIDENTAL RELEASE MEASURES**

**CONTAINMENT PROCEDURES:** Absorb spill with inert material. Shovel material into appropriate container for disposal.

**CLEAN-UP PROCEDURES:** None specified.

**EVACUATION PROCEDURES:** None

**SPECIAL PROCEDURES:** Remove spills promptly as they may make floors slippery. Several washes and/or the use of detergents may be necessary to completely clean any spill.

**7. HANDLING AND STORAGE**

**HANDLING:** Handle as an irritant.

**STORAGE:** Keep container lid closed tightly and store in a cool, dry place. Do not store product at high temperatures (>110 F). Do not freeze.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****EXPOSURE GUIDELINES**

**A: GENERAL PRODUCT INFORMATION:** Petroleum Distillates, Hydrotreated light (64742-47-8)  
ACGIH: 200 mg/m<sup>3</sup> TWA (application restricted to conditions in which there are negligible aerosol exposures).

**B: COMPONENT EXPOSURE LIMITS:** no information available

**ENGINEERING CONTROLS:** Provide adequate ventilation to minimize worker exposure.

**PERSONAL PROTECTION:**

**EYES AND FACE:** Safety glasses with side shields. Do not wear contact lenses.

**HAND:** Rubber gloves.

**SKIN:** Chemical resistant apron or protective suit if splashing or contact with solution is likely.

**RESPIRATORY:** In case of insufficient ventilation wear suitable respiratory equipment.

**GENERAL:** Avoid prolonged inhalation of heated vapors.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Form:</b>	Liquid	<b>Boiling Point:</b>	N/E
<b>Color:</b>	White	<b>Melting Point:</b>	Not determined
<b>Odor:</b>	Mild hydrocarbon	<b>Vapor pressure (mm Hg):</b>	N/E
<b>pH:</b>	N/E	<b>Vapor density:</b>	N/E
<b>Water solubility:</b>	Water Soluble	<b>Specific Gravity:</b>	~1
<b>Evaporation Rate:</b>	<1 (butyl acetate=1)	<b>Flash Point:</b>	>212°F

**10. STABILITY AND REACTIVITY**

**CHEMICAL STABILITY:** Product is stable under usual application conditions.

**CONDITIONS TO AVOID:** Keep from freezing and high temperatures

**INCOMPATIBILITY:** None Identified

**HAZARDOUS DECOMPOSITION:** None Identified

**HAZARDOUS POLYMERIZATION:** Hazardous Polymerization will not occur

## 11. TOXICOLOGICAL INFORMATION

### ACUTE AND CHRONIC TOXICITY

**A. General Product Information:** Eye and skin irritant. May aggravate existing medical conditions such as rashes, allergies or other Sensitive areas. Symptoms may include reddening, swelling of affected areas with possible itching, burning, or other discomfort

**B: Acute Toxicity-LD50/LC50:** Petroleum Distillates, hydrotreated light (64742-47-8)

**LD50:** Inhalation LC50 Rat: >5.2 mg/L/4H; Oral LD50 Rat: >5000 mg/kg; Dermal LD50 Rabbit: >2000 mg/kg

### CARCINOGENICITY

**A. General Product information:**

NTP: NO

IARC: NO

OSHA: NO

**B. Component Carcinogenicity:** No information is available.

## 12. ECOLOGICAL INFORMATION

### ECOTOXICITY:

**A: General Product Information:** Aquatic LC50: (*Ceriodaphnia Dubia*: 48 hrs) 1.75ppm  
(*Pimephales promelas*: 48hrs) 11.0ppm

**B: Component Analysis-Ecotoxicity-Aquatic Toxicity:** Petroleum Distillates, hydrotreated light (64742-47-8) 96 Hr LC50 *Pimephales promelas*: 45 mg/L [flow-through]; 96 Hr LC50

*Lepomis macrochirus*: 1740 mg/L [static]

### ENVIRONMENTAL FATE:

Biological Oxygen Demand (BOD): 383,000 mg/l

Chemical Oxygen Demand (COD): 1,930,000 mg/l

## 13. DISPOSAL CONSIDERATIONS

### US EPA WASTE NUMBER AND DESCRIPTIONS

**A: General Product Information:** Incinerate or dispose of unadulterated product as a non-hazardous waste. Solidify and landfill according to local, state, and federal regulations.

**B: Component Waste Numbers:** No EPA Waste Numbers are applicable for this product's components.

**DISPOSAL INSTRUCTIONS:** Contain and collect using absorbent material if needed. Flush residuals to drain for normal biological treatment. Place collected material into suitable containers for proper disposal.

## 14. TRANSPORT INFORMATION

THIS PRODUCT IS NOT REGULATED BY DOT OR CANADIAN (TDG) transportation regulation.

## 15. REGULATORY INFORMATION

### US FEDERAL REGULATIONS:

**A: General Product Information:** No information is available

**B: CLEAN AIR ACT:** No information is available

**C: COMPONENT ANALYSIS:** No information is available.

### State Regulations

This product contains <0, 1% residual acrylamide (CAS # 79-06-1), and the following states recognize acrylamide as a carcinogen or suspected carcinogen: CA (Prop 65), MA, MN, NJ & PA.

California Proposition 65

**H2-29ZFX-C**

The following statement is made in order to comply with the California Safe Drinking Water and Toxic enforcement Act of 1986: This product contains the following substance known to the state of California to cause Cancer:

<u>Component</u>	<u>CAS#</u>
Acrylamide	79-06-1

## New Jersey RTK Label Information

Acrylamide	79-06-1
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## Pennsylvania RTK Label Information

Acrylamide	79-06-1
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**COMPONENT ANALYSIS-WHMIS IDL:** No components are listed in the WHMIS IDL.

**COMPONENT ANALYSIS-INVENTORY:**

<u>Component</u>	<u>CAS#</u>	<u>TSCA</u>	<u>CAN</u>	<u>EEC</u>
Ethanaminium, N, N, N-trimethyl-2[(1-oxo-2-propenyl)oxy]chloride, polymer with 2-propenamide	69418-26-4	Yes	DSL	No
Petroleum Distillates, hydrotreated light	64742-47-8	Yes	DSLEINECS	
Alcohols, C12-18, ethoxylated	68213-23-0	Yes	DSL	No
Alcohols, C12-16, ethoxylated	68551-12-2	Yes	DSL	No

**16. OTHER INFORMATION**

## DISCLAIMER:

We believe that the information in this MSDS is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily either all-inclusive or fully adequate in every circumstance. Also, these suggestions should not be confused with or followed in violation of applicable laws, regulations, rules or insurance requirements.

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