



## Material Safety Data Sheet

### 1. IDENTIFICATION

**PRODUCT NAME:** H2-305Z-A

**CHEMICAL NAME:** Anionic Polymer

**For emergencies call Chemtrec at 1-800-424-9300**

### 2. HAZARD(S) IDENTIFICATION

**EMERGENCY OVERVIEW:** Appearance: liquid, white

CAUTION! MAYBE HARMFUL IF INHALED. MAY BE HARMFUL IF SWALLOWED. MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN AND RESPIRATORY TRACT IRRITATION. PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE DERMATITIS AND BURNS.

#### POTENTIAL HEALTH EFFECTS:

**Routes of exposure:** Inhalation, Skin absorption, Skin contact, Eye Contact, Ingestion

**EYES:** Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.

**SKIN:** Can cause skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, and drying and cracking of skin, burns and other skin damage. Additional symptoms of skin contact may include: skin blistering.

**INGESTION:** This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

**INHALATION:** It is possible to breathe this material under certain conditions of handling and use (for example, during heating, spraying, or stirring). Symptoms are not expected at air concentrations below the recommended exposure limits, if applicable (see Section 8.).

**AGGRAVATED MEDICAL CONDITION:** Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: lung (for example, asthma-like conditions).

**SYMPTOMS:** Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), Lung irritation, central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness), loss of coordination, confusion, irregular heartbeat, narcosis (dazed or sluggish feeling), Convulsions, coma

**TARGET ORGANS:** Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals: mild, reversible liver effects, Exposure to this material (or a component) has been found to cause kidney damage in male rats. The mechanism by which this toxicity occurs is specific to the male rat and the kidney effects are not expected to occur in humans.

**CARCINOGENICITY:** This material is not listed as a carcinogen by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), or the Occupational Safety and Health Administration (OSHA). This product (or a component) is a petroleum-derived material. Similar materials and certain compounds occurring

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naturally in petroleum oils have been shown to cause skin cancer in laboratory animals following repeated exposure without washing or removal.

**REPRODUCTIVE HAZARD:** Based on the available information, risk to the fetus from maternal exposure to this material cannot be assessed.

**HMIS CODES: HEALTH: 1 FIRE: 1 REACTIVITY: 0 PERS. PROT.:**

**HMIS RATINGS NOTES:**

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

**KEY**

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

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

<b>CAS #</b>	<b>COMPONENT</b>	<b>PERCENT</b>
NJTS# 254504001-5181	POLYMER	>=40-<50%
NJTS# 254504001-5164	ALIPHATIC HYDROCARBON	>=20-<30%
	NONIONIC SURFACTANT	>=1-<1.5%

**4. FIRST-AID MEASURES**

**EYES:** If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.

**SKIN:** Immediately flush skin with water for at least 15 minutes while removing contaminated clothing and shoes. Seek immediate medical attention. Wash clothing before reuse and decontaminate or discard contaminated shoes.

**INGESTION:** Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

**INHALATION:** If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

**NOTES TO PHYSICIAN:** Hazards: This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity (See Section 2 - Swallowing) when deciding whether to induce vomiting.

**5. FIRE-FIGHTING MEASURES**

**SUITABLE EXTINGUISHING MEDIA:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**HAZARDOUS COMBUSTION PRODUCTS:** carbon dioxide and carbon monoxide, nitrogen oxides (NOx)

**PRECAUTIONS FOR FIRE-FIGHTING:** No special fire hazards are known to be associated with this product. Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA).

**6. ACCIDENTAL RELEASE MEASURES**

**PERSONAL PRECAUTIONS:** For personal protection see section 8. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

**ENVIRONMENTAL PRECAUTIONS:** Prevent spreading over a wide area (e.g. by containment or oil barriers). Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

**METHODS FOR CLEANING UP:** Prevent from entering drains, sewers, streams and other bodies of water. Dam and dike to prevent spreading. If runoff occurs, notify authorities. Transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil, and other materials to containers for disposal. Absorb liquid on vermiculite, floor absorbent or other absorbent material. After cleaning, flush away traces with water.

## 7. HANDLING AND STORAGE

**HANDLING:** Avoid contact with skin and eyes. Do not use in areas without adequate ventilation. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Promptly remove soiled clothing and wash before reuse. Shower after work using plenty of soap and water. When using, do not smoke.

**STORAGE:** Store in a cool, dry, ventilated area. Store at temperatures between 40 degrees F (5 degrees C) and 90 degrees F (30 degrees C) to maintain stability of the product. Keep from freezing.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE GUIDELINES

**GENERAL ADVICE:** These recommendations provide general guidance for handling this product. Personal protective equipment should be selected for individual applications and should consider factors which affect exposure potential, such as handling practices, chemical concentrations and ventilation. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.

**EXPOSURE CONTROLS:** Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

**EYE PROTECTION:** Wear chemical splash goggles when there is the potential for exposure of the eyes to liquid, vapor or mist.

**SKIN AND BODY PROTECTION:** Wear chemical resistant clothing such as a permeation-resistant or chemical apron, gloves and boots whenever skin contact is possible.

**RESPIRATORY PROTECTION:** If workplace exposure limit(s) of product or any component is exceeded (see exposure guidelines), a NIOSH-approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH respirators (negative pressure type) under specified conditions (see your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** liquid

**FORM:** No data

**COLOR:** white

**ODOR:** hydrocarbon-like

**BOILING POINT/BOILING RANGE:** No data

**PH:** No data

**FLASH POINT:** (>)200.1 °F/ 93.4 °C

**EVAPORATION RATE:** < 1 (n-Butyl Acetate)

**EXPLOSION LIMITS:** No data

**VAPOR PRESSURE:** No data

**VAPOR DENSITY:** No data

**DENSITY:** No data

**SOLUBILITY:** soluble in water

**PARTITION COEFFICIENT:** No data

**AUTO IGNITION TEMPERATURE:** No data

**10. STABILITY AND REACTIVITY**

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

**CONDITIONS TO AVOID:** strong oxidizing agents

**INCOMPATIBILITY:** Acids, nitrates, strong bases, Strong oxidizing agents

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon oxides, nitrogen oxides

**HAZARDOUS REACTIONS:** Product will not undergo hazardous polymerization.

**THERMAL DECOMPOSITION:** No data

**11. TOXICOLOGICAL INFORMATION****ACUTE ORAL TOXICITY:**

POLYMER no data available

ALIPHATIC HYDROCARBON LD 50 Rat: > 8,000 mg/kg

NONIONIC SURFACTANT no data available

**ACUTE INHALATION TOXICITY**

POLYMER no data available

ALIPHATIC HYDROCARBON LD 50 Rat: > 2500 ppm, 4 h

NONIONIC SURF ACT ANT no data available

**ACUTE DERMAL TOXICITY**

POLYMER no data available

ALIPHATIC HYDROCARBON LD 50 Rabbit: > 4,000 mg/kg

NONIONIC SURF ACT ANT no data available

**12. ECOLOGICAL INFORMATION****AQUATIC TOXICITY**

no data available

Acute Toxicity to Aquatic Invertebrates

no data available

**ENVIRONMENTAL FATE AND PATHWAYS**

no data available

**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:** clean it up and dispose of waste in accordance with all Federal, state, and local environmental regulations.

**14. TRANSPORT INFORMATION**

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

**15. REGULATORY INFORMATION**

California Prop. 65

WARNING! This product contains a chemical known in the State of California to cause cancer.

ACRYLAMIDE

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SARA Hazard Classification Acute Health Hazard

SARA 313 Component(s)

Reportable quantity - Components

POLYMER

NJTS# 254504001-5181

none

ALIPHATIC HYDROCARBON SURFACTANT

NJTS# 254504001-5164

none

NONIONIC SURFACTANT

none

**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.

NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE.

