

# SAFETY DATA SHEET HCAF-504 Part B4

Revision Date: 7/15/2021

# **SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME: HCAF-504 Part B4

**PRODUCT USE:** Used to prepare HCAF-504 Anti-Fog Coating Solution.

MANUFACTURER: Exxene Corporation, 5939 Holly Road, Corpus Christi, TX 78412, 1-361-991-8391

EMERGENCY: For Hazardous Materials Incident - Spill, Leak, Fire, Exposure, or Accident - Call CHEMTREC 1-800-424-9300

#### **SECTION 2 – HAZARDS IDENTIFICATION**

### **GHS CLASSIFICATION**

Health Acute toxicity, inhalation	Category 5	Environmental  Acute toxicity: Not applicable		Physical Flammable liquids Category 3			
Acute toxicity, oral Serious eye damage/eye irritation	Category 3 Category 1	Chronic toxicity:	Not applicable		riammable liquius	Category 3	

GHS LABEL:



Signal Word: WARNING WHMIS CLASSIFICATION: Class B, Division 3

Class D, Division 2, Subdivision B

#### **Hazard Statements**

H226 Flammable liquid and vapour.
H305 May be fatal if swallowed and enters airways.

H313 May be harmful in contact with skin H320 Causes eye irritation

H333 May be harmful if inhaled

H336 May cause drowsiness or dizziness.

#### **Precautionary Statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

P241 Use explosion-proof electrical, ventilating, mixing, handling, and lighting equipment.

P243 Take precautionary measures against static discharge. P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P370 + P378 In case of fire: Use dry chemical or carbon dioxide for extinction.

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing.

Rinse SKIN with water/shower.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing.

P304 + P340 IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P501 Dispose of contents/container according to local and national material disposal regulations.

# **SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS**

Components	CAS#	Concentration, %	
Diacetone Alcohol	123-42-2	> 90%	

# **SECTION 4 - FIRST AID MEASURES**

Contact with eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention. Take SDS.

Skin contact: Remove contaminated clothing and shoes. Wash with plenty of soap and water. Seek medical attention. Take this SDS.

Inhalation: Remove the victim to fresh air. Monitor respiratory function. If there is breathing difficulty, provide oxygen. If necessary, give artificial respiration. Seek

medical attention. Take this SDS.

Ingestion: Rinse mouth of victim with plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention.

Take this SDS.

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## **SECTION 5 - FIREFIGHTING MEASURES**

Water spray, alcohol resistant foam, dry chemical or carbon dioxide Suitable Extinguishing Media:

**Unsuitable Extinguishing Media:** 

Exposure Hazards: Flammable product. Fire may produce irritating and toxic gases. Containers may explode when heated. Vapors may form explosive

mixtures with air. Explosion hazard indoors.

**Combustion Products:** Hazardous decomposition products formed under fire conditions-Carbon oxides

Advice for firefighters: Use self-contained breathing apparatus (SCBA) operated in positive pressure mode and complete protective clothing.

# **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

Personal precautions: Use personal protective equipment. Avoid breathing vapors, mists or gas. Ensure adequate ventilation. Remove all sources of ignition.

Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low area.

**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods for cleaning spills: Discard any product, waste, container or wrapper available in an appropriate manner as not to harm the environment, according to federal

regulations, state and local.

## **SECTION 7 - HANDLING AND STORAGE**

Handling: Avoid contact with skin and eyes. Avoid inhalation with vapor or mist. Use proper personal protective equipment as indicated in Section 8.

Use explosion proof equipment. Keep away from ignition sources. Take measures to prevent buildup of electrostatic charge.

Storage: Keep only in original container, in a cool, dry, well ventilated place. Keep away from food. Store locked up. Keep out of reach of children.

Avoid static electricity by grounding. Damaged or perforated packages should be emptied. Incompatible with strong oxidizing agents.

#### SECTION 8 - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

**EXPOSURE LIMITS:** ACGIH TLV ACGIH STEL OSHA PEL OSHA STEL Component Diacetone Alcohol 100 100 50 50 Expressed in ppm

**Engineering Controls:** Provide mechanical ventilation or direct exhaustion to the external media. It is recommended safety shower and eye bath available near

work site

Monitoring: Maintain breathing zone airborne concentration below exposure limits.

PERSONAL PROTECTIVE EQUPMENT (PPE):

**Eve Protection:** Avoid contact with eyes; wear splash-proof chemical goggles, face shield, safety glasses (spectacles) as may be appropriate for exposure. **Respiratory Protection:** 

Prevent inhalation of the solvent. Use in a well-ventilated location. Ensure airflow and air changes. Use local exhaust ventilation to

remove airborne contaminants from employee breathing zone and to keep contaminants below levels listed above. With normal use, the

Exposure Limit Value will not usually be reached. When limits approached, use respiratory protection equipment.

# SECTION 9 - PHYSICAL AND CHEMCIAL PROPERTIES

Appearance: colorless liquid Odor: alcohol Odor Threshold: pH: not listed na Melting: -47 °C **Boiling Range:** 175 °C 58 °C TCC 43.5 (ether = 1) Flash Point: **Evaporation Rate:** LEL: 1.8 %; UEL: 6.9% **Specific Gravity:** 0.9g/cm3 @20°C) Flammability Limits: Vapor Density: Solubility: Miscible in water 4.0 (Air = 1)0.88 mm Hg @ 20°C (68°F) Viscosity: Vapor Pressure: na

643 °C Auto-ignition Temp: **Decomposition Temperature:** not listed

VOC Content: Flammability (GHS Hazard category): 3 7.5 lb/gal

# **SECTION 10 - STABILITY AND REACTIVITY**

**HMIS** NFPA Stability: Stable under normal conditions of storage and handling. Polymerization will not occur. Health Flammability Reactivity 0 0

Hazardous decomposition products: When heated produces acrid and toxic smoke and fumes composed of carbon oxides.

Conditions to avoid: Ignition sources, flame/heat, high temperatures and contact with incompatible materials.

Incompatible materials: Strong oxidizers.

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# **SECTION 11 -TOXICOLOGICAL INFORMATION**

Likely routes of Exposure: Inhalation, skin absorption, skin contact

Acute symptoms and effects:

Inhalation: May cause central nervous system disorders with headache, muscle weakness, dizziness and unconsciousness. May cause

respiratory irritation with cough and shortness of breath.

Eye contact: Irritating and may cause damage to eyes with redness and pain

**Skin contact:** Irritating to skin with redness, pain and dryness.

**Ingestion:** May cause gastrointestinal disturbances with nausea, vomiting and diarrhea.

Chronic symptoms and effects: Skin rash/inflammation. Headache. Gastrointestinal complaints. Cardiac and blood circulation effects.

Reproductive Effects	Teratogenicity	Mutagenicity	Embryo toxicity	Sensitization to Product	Synergistic Products
None	None	None	No information	None expected.	No information

Toxicity: LD<sub>50</sub> (oral, rats): 2520 mg/Kg LC<sub>50</sub> (inhalation, rats, 4h): 19,2 mg/L

## **SECTION 12 - ECOLOGICAL INFORMATION**

**Ecotoxicity:** Not classified as hazardous to aquatic organisms.

Mobility: High mobility in soil.

Degradability: Expected low persistence and high degradability.

**Bioaccumulation:** Expected low bioaccumulative potential in aquatic organisms.

### **SECTION 13 – WASTE DISPOSAL CONSIDERATIONS**

Follow local and national regulations. Consult disposal experts and your regulatory agency.

## **SECTION 14 - TRANSPORT INFORMATION**

Proper Shipping Name: Coating Solution

Hazard Class: 3 Secondary Risk:

UN/NA Number: 1139
Packing Group: III

Label Required: Class 3 Flammable Liquid

Marine Pollutant: No

## **SECTION 15 - REGULATORY INFORMATION**

CERCLA (Superfund) reportable quantity: 5000 lbs

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard – No Delayed Hazard – No Fire Hazard – Yes Pressure Hazard – No Reactivity Hazard - No

Section 302 extremely hazardous substance Not listed Section 311 hazardous chemical Diacetone Alcohol

State regulations

Diacetone Alcohol CAS-No. 123-42-2 can be found on the following right to know lists: California, New Jersey, Pennsylvania, and Massachusetts.

Ingredient Listings USA TSCA, Europe EINECS, Canada DSL, Australia, Korea ECL/TCCL, Japan MITI (ENCS)

# **SECTION 16 - OTHER INFORMATION**

E-mail address: info@Exxene.com

Intended Use: Used to prepare HCAF-504 Anti-Fog Coating Solution.

**Disclaimer:** This product is intended for use by skilled individuals at their own risk. The information contained herein is based on data considered accurate based on current state of knowledge and experience. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. This information does not represent any guarantee of the properties of the product, and Exxene Corporation and its Affiliates shall not be held liable for any damage resulting from handling or contact with the product.

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