

# Safety Data Sheet

Product: ZTRES 72 MUP

SDS No: 06-1757A

## SECTION 1 : GENERAL INFORMATION



PIEDMONT CHEMICAL INDUSTRIES I, LLC  
331 BURTON STREET  
HIGH POINT, NC 27261

Telephone 336-885-5131  
In case of emergency call chemtrec: 1-800-424-9300  
Outside of U.S.A.: 001-703-527-3887  
Date: 7/7/2017

## SECTION 2 : HAZARD(S) IDENTIFICATION

Classification of the substance or mixture in accordance with 29 CFR 1910.1200 (OSHA HCS/GHS).

Signal Word: **Danger**



### GHS - Classification

Flammable Liquid (Category 3)  
Eye Damage/Irritation (Category 1)  
Skin Corrosion/Irritation (Category 2)  
Specific Target Organ Toxicity (Single Exposure) (Category 3)

### Hazard Statement(s)

H225 Highly flammable liquid and vapour  
H315 Causes skin irritation  
H318 Causes serious eye damage  
H370 Causes damage to organs

### Precautionary Statement(s)

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P233 Keep container tightly closed.  
P240 Ground/Bond container and receiving equipment.  
P241 Use explosion-proof electrical/ventilating equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P261 Avoid breathing dust/ mist/ vapours.  
P264 Wash hands thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear protective gloves/eye protection/protective clothing.  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin/hair with water for at least 15 minutes.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for 15 minutes or more. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER.  
P333 + P313 If skin irritation or rash occurs: Get medical attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.  
P403 + P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.  
P501 Dispose of contents in container in accordance with local/state/federal/international regulations.

## SECTION 3 : COMPOSITION/ INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS#	PERCENTAGE
METHYL ALCOHOL	67-56-1	<15

EPA Registration Number: 48937-1

SPECIFIC CHEMICAL IDENTITY AND PERCENTAGE (CONCENTRATION) MAY BE A TRADE SECRET AS ALLOWED BY 29 CFR 1910.1200

## SECTION 4 : FIRST AID MEASURES

**EYES:** FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES, OCCASIONALLY LIFTING EYELIDS. GET MEDICAL ATTENTION.

**SKIN:** WASH EXPOSED AREAS WITH SOAP AND WATER. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

**INGESTION:** INDUCE VOMITING BY GIVING 2 GLASSES OF WATER AND PLACE FINGER DOWN THROAT. CALL A PHYSICIAN. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

**INHALATION:** IF AFFECTED, REMOVE INDIVIDUAL TO FRESH AIR.

## SECTION 5 : FIRE FIGHTING MEASURES

**FLASH POINT:** 83F = 28.3 C

**EXTINGUISHING METHOD:** USE WATER, CARBON DIOXIDE, DRY CHEMICAL OR FOAM.

**SPECIAL FIRE FIGHTING PROCEDURES:** USE SELF-CONTAINED BREATHING APPARATUS. WEAR FULL PROTECTIVE CLOTHING.

**UNUSUAL FIRE FIGHTING PROCEDURES:** STATIC ELECTRICITY MAY ACCUMULATE AND IGNITE VAPORS.

## SECTION 6 : ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** Ensure adequate ventilation. Keep people away from and upwind of spill/leak.

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**ENVIRONMENTAL PRECAUTIONS:** Avoid subsoil penetration. Do not flush into surface water or sanitary sewer system. Advise water authority if spillage has entered water course or drainage system.

**METHODS FOR CLEAN UP:** Use mechanical handling equipment. Soak up with inert absorbent material( e.g. sand, silica gel, acid binder, universal binder, sawdust)

**SPILL:** VENTILATE AREA, PERSONS PERFORMING CLEAN-UP SHOULD WEAR ADEQUATE PROTECTION EQUIPMENT. CONTAIN MATERIAL BY DIKING THE AREA AROUND THE SPILL. IF THE PRODUCT IS IN A SOLID FORM, SHOVEL DIRECTLY INTO RECOVERY DRUMS. IF THE PRODUCT IS A LIQUID, IT SHOULD BE PICKED UP USING A SUITABLE ABSORBANT MATERIAL, THEN SHOVELED TO RECOVERY DRUMS. IF THE MATERIAL IS RELEASED INTO THE ENVIRONMENT, THE USER SHOULD DETERMINE WHETHER THE SPILL SHOULD BE REPORTED TO THE APPROPRIATE LOCAL, STATE AND FEDERAL AUTHORITIES.

## SECTION 7 : HANDLING AND STORAGE

**HANDLING AND STORAGE:** MATERIAL SHOULD BE STORED IN ITS OWN CONTAINER AND SHOULD ALWAYS BE KEPT COVERED WHEN NOT IN USE.

## SECTION 8 : EXPOSURE CONTROLS AND PERSONAL PROTECTION

**ROUTES OF EXPOSURE:** EYES, SKIN, INGESTION, INHALATION

### SYMPTOMS OR ACUTE HEALTH HAZARDS

**EYES:** CAUSES EYE IRRITATION.

**SKIN:** CAUSES SKIN IRRITATION.

**INGESTION:** HARMFUL IF SWALLOWED.

**INHALATION:** MAY CAUSE IRRITATION OF NOSE, THROAT AND UPPER RESPIRATORY TRACT.

**RESPIRATORY PROTECTION:** IF NEEDED, USE A NIOSH APPROVED RESPIRATOR.

**VENTILATION:** USE SUFFICIENT MECHANICAL(GENERAL)OR LOCAL EXHAUST.

**PROTECTIVE EQUIPMENT:** GLOVES, APRON, GOGGLES

**WORK/ HYGIENIC PRACTICES:** AS WITH ALL INDUSTRIAL CHEMICALS, CARE SHOULD BE TAKEN TO AVOID CONTACT WITH EYES, SKIN, AND CLOTHING. HANDS AND UNPROTECTED SKIN SHOULD BE THOROUGHLY WASHED AND CONTAMINATED CLOTHING SHOULD BE CHANGED PRIOR TO ANY DIRECT PERSONAL CONTACT. ALL EXPOSED CLOTHING SHOULD BE LAUNDERED PER NORMAL CARE INSTRUCTIONS BEFORE REUSE

### EXPOSURE LIMITS

METHYL ALCOHOL

### LIMITS

TWA =200PPM

EPA Registration Number: 48937-1

## SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

**PH:** 5.5-8.0 AS IS

**SOLUBILITY:** SOLUBLE

**SPECIFIC GRAVITY:** 0.9-0.96

**APPEARANCE:** CLEAR OPAQUE LIQUID

**Bod:** <23300 mg/kg (BOD 5)

**Cod:** 2300000 mg/kg

**Odor:** MILD

**Odor Threshold:** NO DATA

**Melting Point:** -2.2C

**Evaporation Rate:** 4.1

**Vapor Pressure:** 133.289HPA

**Vapor Density:** >1

**Auto Ignition Temperature:** 258C

**LEL:** N/D

**UEL:** N/D

**VOC:** 21% - 26% (METHANOL)

**Flash Point:** 83F = 28.3 C

**Boiling Point:** 64C

## SECTION 10 : STABILITY AND REACTIVITY

**STABILITY:** STABLE

**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR

**DECOMPOSITION PRODUCTS:** CARBON OXIDES

**CONDITIONS AND MATERIALS TO AVOID:** STRONG OXIDIZING AGENTS

## SECTION 11 : TOXICOLOGICAL INFORMATION

**ACUTE TOXICITY:** Dermal Irritation Rats Category IV Slightly Irritating; Dermal Toxicity Rats LD50 >5050mg/kg; Eye Irritation Rabbits Category I Extremely Irritating; Inhalation Toxicity Rats LC50 >2.20 mg/L; Oral Toxicity Rats LD50 >5000 mg/kg; Skin Sensitization (Guinea Pigs): Not a Sensitizer

**Chronic Toxicity:** NO DATA

**Carcinogenicity:** NO DATA

**Target Organ Effects:** NO DATA

**This product has not yet been tested. The information is derived from the properties of the individual components.**

## SECTION 12 : ECOLOGICAL INFORMATION

**Ecotoxicity:** LC50 FISH 3234-6174MG/L 96 H-FISH

**Persistence Degradability:** DEGRADES RAPIDLY

**Bioaccumulation:** BCF FISH 1=<10 (LEUCISCUS IDUS)

**Mobility:** MOBILITY IN SOIL/MOBIL

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## SECTION 13 : DISPOSAL CONSIDERATIONS

Disposal of this product should be made in accordance with federal state and local regulations.

## SECTION 14 : TRANSPORT INFORMATION

**TRANSPORTATION:** UN1993 Flammable Liquid N.O.S  
(Methanol, 3-Chloropropyltrimethoxysilane)  
3 PG III

## SECTION 15 : REGULATORY DATA

**TITLE III-SARA:** THE FOLLOWING DATA IS BEING SUPPLIED IN COMPLIANCE WITH TITLE III SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) PART 313 AND 40 CFR 372  
Methanol <15%

**CALIFORNIA PROPOSITION 65:** Contains <15% Methanol which is on the California Proposition List.

Listed on the following inventories:

## SECTION 16 : OTHER INFORMATION

**Large Spill:** Consider initial downwind evacuation for at least 300 meters( 1000 feet).

**Fire:** If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

**Other Info:**

## DISCLAIMER

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End of SDS