

**Product Code:** A410-0002-16  
**Product Name:** HAPS COMP WHITE PRECAT S/G

**GEMINI INDUSTRIES, INC., 2300 HOLLOWAY DRIVE, EL RENO, OK 73036**  
**24-Hour Emergency (Spill, Leak, Exposure or Accident): INFOTRAC 800-535-5053 Outside USA, Call Collect 1-352-323-3500**  
**24-Hour Emergency HAZMAT Response and MSDS help: EMI 800-510-8510**

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

(SEE TOP OF PAGE)

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

COMPONENT/EXPOSURE LIMITS	CAS#
NITROCELLULOSE	MIXTURE
AQUEOUS ISOPROPANOL: OSHA PEL 400 ppm	
BUTYL ACETATE	
ACETONE	67-64-1
OSHA VPEL 750 ppm TWA	
OSHA VPEL 1000 ppm STEL	
ACGIH TLV 500ppm TWA	
ACGIH TLV 750 ppm STEL	
PROPANE	74-98-6
N. BUTANE	106-97-8
ISOBUTYL ACETATE	110-19-0
OSHA: PEL 150ppm-TWA	
ACGIH TLV 150ppm-TWA	
TOLUENE	108-88-3
OSHA PEL: 200ppm	
ACGIH TLV 50ppm	
BUTANOL	71-36-3
XYLENE	1330-20-7
OSHA: 100 PPM PEL-TWA	
NIOSH: 100 PPM PEL-TWA	
BUTYL ACETATE	123-86-4
ETHANOL	64-17-5
OSHA: 1000 PPM PEL-TWA	
NIOSH: 1000 PPM PEL-TWA	
ISOPROPANOL	67-63-0
400ppm TWA8 ACGIH, 983 mg/m3 TWA8 ACGIH	
980mg/m3 TWA8 OSHA, 500ppm STEL OSHA	
METHYL N-AMYL KETONE	110-43-0
ACGIH TLV: METHY N-AMYL KETONE: 50ppm TWA	
OSHA PEL: METHYL N-AMYL KETONE: 100ppm TWA	
ETHYLBENZENE	100-41-4

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FORMALDEHYDE

50-00-0

### 3. HAZARDS IDENTIFICATION

Flammable liquid under pressure  
Vapor causes eye burns and skin irritation

#### POTENTIAL HEALTH EFFECTS

##### SKIN:

Widespread contact with skin for several hours can cause harmful amounts of material to be absorbed.

##### INGESTION:

Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness and even asphyxiation.

##### INHALATION:

High vapor concentrations or prolonged breathing of lower concentrations may result in damage to the liver, kidneys, lungs and blood forming organs.

### 4. FIRST AID MEASURES

##### EYES:

Flush with luke warm water for a minimum of 15 minutes. Seek medical attention immediately.

##### SKIN:

Remove contaminated clothing, wash area immediately with soap and water. See physician if irritation persists.

##### INGESTION:

Rinse mouth immediately. Drink 1 or 2 glasses of water to dilute. Do NOT induce vomiting. Contact physician or poison control center immediately.

##### INHALATION:

Remove exposed individual to fresh air and assist breathing if necessary. Seek immediate medical attention.

### 5. FIRE FIGHTING MEASURES

#### FLAMMABLE CLASSIFICATION:

LOWEST FLASH POINT: 0F

METHOD: TCC

#### FLAMMABLE LIMITS:

LOWER FLAMMABLE LIMIT: 1.11

UPPER FLAMMABLE LIMIT: 12.8

EXTINGUISHING MEDIA: Alcohol Foam, CO2, Dry Chemical

#### UNUSUAL FIRE AND EXPLOSION HAZARDS

Burning may produce oxides of nitrogen and carbon. Do not puncture or incinerate container. Exposure to heat or prolonged exposure to sun may cause container to burst. Do not expose to heat or store at temperatures above 120 degrees F. Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, sparks, heaters,

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smoking, electrical motors or static discharge distant from handling point.

#### FIREFIGHTING INSTRUCTIONS:

### 6. ACCIDENTAL RELEASE MEASURES

Stay upwind and away from spill or leak unless wearing appropriate protective equipment.  
Stop and/or contain discharge if it may be done safely. Keep all sources of ignition away.  
Ventilate area of spill. Use non-sparking tools for clean up. Cover with inert material to reduce fumes. Keep out of drains, sewer or waterways.  
If large spill occurs, alert spill response teams. Contact fire authorities. Notify local health and pollution control agencies.

### 7. HANDLING AND STORAGE

#### HANDLING:

Personnel should avoid inhalation of vapors. Personal contact with the product should be avoided. Should contact be made, remove saturated clothing and flush affected skin areas with water. Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid and/or solid), all hazard precautions given in this sheet must be observed.

#### STORAGE:

Keep product containers cool, dry and away from sources of ignition. Use and store this product with adequate ventilation. DO NOT SMOKE in or near storage areas

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### RESPIRATORY PROTECTION:

PRIMARY ROUTES OF ENTRY: inhalation, skin contact, eyes, ingestion.

Use local exhaust as required to control vapor concentrations. Avoid prolonged or repeated breathing of vapors. If exposure exceeds TLV, use NIOSH-approved respirator to prevent overexposure.

#### SKIN PROTECTION:

Required for prolonged or repeated contact. Wear resistant gloves such as natural rubber, neoprene, buna N or nitrile. An apron should be worn to avoid skin contact.

#### EYE PROTECTION:

Wear splashproof goggles and face shield if there is a likelihood of contact with eyes.

#### HYGIENIC PRACTICES:

Wash hands thoroughly before eating or using restroom. Remove contaminated clothing immediately and do not wear again until it has been properly laundered.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: 133F

MELTING POINT: N/A

VAPOR PRESSURE: N/A

VAPOR DENSITY: Heavier Than Air

SOLUBILITY IN WATER: N/A

SPECIFIC GRAVITY: .771

COATING VOC LB/GL: 5.3407 lb/gl

COATING VOC GM/LTR: 640 g/l

MATERIAL VOC LB/GL: 3.1649 lb/gl

MATERIAL VOC GM/LTR: 379 g/l

% VOLATILE BY VOLUME: 98.892%

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**EVAPORATION RATE:** Faster than Butyl Acetate.  
**WEIGHT PER GALLON:** 6.423 lb/gl  
**PH:** N/A  
**ODOR:** N/A  
**APPEARANCE:** Sprayed Liquid

**10. STABILITY AND REACTIVITY**

**CHEMICAL STABILITY:**  
 Stable      Conditions to Avoid: high heat, sparks, flames

**INCOMPATIBILITY**

Materials to Avoid: Strong oxidizing agents, strong alkalines, strong mineral acids.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Oxidation may produce carbon and nitrogen oxides.

**HAZARDOUS POLYMERIZATION:**

Will not occur.

**11. TOXICOLOGICAL INFORMATION**

**CANCER INFORMATION:**

This product contains no reported carcinogens or suspected carcinogens. This product contains no reportable hazardous ingredients. This Material Safety Data Sheet contains information on good industrial practice for safe handling of all industrial chemicals.

**TERATOLOGY (BIRTH DEFECT) INFORMATION:**

This product contains no reported or suspected teratogens.

**REPRODUCTION INFORMATION:**

Gaseous formaldehyde is classified as a Class B1 Probable Human Carcinogen by the IARC. Toluene is a chemical known to the state of California to cause birth defect or other reproductive harm. This product contains a chemical known to the State of California to cause cancer.

**12. ECOLOGICAL INFORMATION**

**ECOLOGICAL INFORMATION:**

Uncontrolled release of the product may result in contamination of air, ground, waterways and/or sewers.

**13. DISPOSAL CONSIDERATIONS**

Dispose in accordance with local, state and federal regulations.

**14. TRANSPORT INFORMATION**

AEROSOLS, FLAMMABLE, 2.1, UN1950

**15. REGULATORY INFORMATION**

**HMIS HAZARD INDEX:** 4=SEVERE, 3=SERIOUS, 2=MODERATE, 1=SLIGHT, 0=LEAST  
**HEALTH:** 2

**FLAMMABILITY:** 4

**REACTIVITY:** 0

**PERSONAL PROTECTION:** J

**SECTION 313:**

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372 (Chemicals listed below constitute the specific percentage of product by weight. Chemicals that do not have a listed percentage comprise less than 1% of total product weight):

		% BY WT
* TOLUENE	108-88-3	5
* BUTANOL	71-36-3	4
* XYLENE	1330-20-7	3
* ETHYLBENZENE	100-41-4	

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**16. DISCLAIMER:**

The following supercedes any provision contained in the forms, letters and papers of your company. This product is designed and intended for professional application only. All products should be thoroughly tested under application conditions prior to use. The information contained herin is believed to be reliable. HOWEVER, GEMINI MAKES NO WARRANTY CONCERNING THIS PRODUCT, WHETHER EXPRESS OR IMPLIED. INCLUDING THE WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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