



# Safety Data Sheet

## ULTRA-SEAL MAX PRECAT SEALER, CLEAR



### 1. Identification

<b>Product identifier</b>	ULTRA-SEAL MAX PRECAT SEALER, CLEAR		
<b>Product code</b>	210-0215		
<b>Other means of identification</b>	N/Av.		
<b>Recommended use of the chemical and restrictions on use</b>	PAINT.		
<b>Manufacturer</b>	GEMINI INDUSTRIES, INC. 2300 Holloway Drive El Reno, OK 73036 USA  Tel. 1-800-262-5710 Fax 1-405-262-9310 <a href="http://www.gemini-coatings.com">www.gemini-coatings.com</a>		
<b>Emergency phone number</b>	INFOTRAC 800-535-5053 Outside USA, Call Collect 1-352-323-3500 (French & English) 24-hour  HAZMAT Response and MSDS help: EMI 800-510-8510		

### 2. Hazard identification

<b>Summary</b>	DANGER! FLAMMABLE LIQUID! TOXIC! Skin, eyes and respiratory tracts irritant. May be harmful by inhalation or if absorbed through the skin. May cause central nervous system effects. Contains a substance that can cause target organ damage, according to data obtained on animals. Contains ingredients possibly carcinogenic to humans. Keep away from heat, sparks and open flame. Avoid contact with skin, eyes and clothing. Do not breathe vapours, mists or aerosols. Do not ingest. If ingested consult physician immediately and show this Safety Data Sheet. Make sure to wear personal protective equipment mentioned in this Safety Data Sheet. Keep containers tightly closed when not in use. After use, wash hands with soap and water. Wash contaminated clothing before reuse.
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#### WHMIS 2015/OSHA HCS 2012/GHS



Flammable liquids (Category 2)  
 Skin irritation (Category 2)  
 Eye irritation (Category 2A)  
 Carcinogenicity (Category 2)  
 Specific target organ toxicity, single exposure, Narcotic effects (Category 3)

#### DANGER

- H225: Highly flammable liquid and vapour
- H319: Causes serious eye irritation
- H315: Causes skin irritation
- H336: May cause drowsiness or dizziness
- H351: Suspected of causing cancer
- P201: Obtain special instructions before use.
- P202: Do not handle until all safety precautions have been read and understood.
- P210: Keep away from heat, sparks, open flames and other ignition sources. No smoking.
- P242: Use only non-sparking tools.

P243: Take precautionary measures against static discharge.  
P261: Avoid breathing mist, vapours and spray.  
P264: Wash skin thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.  
P281: Use personal protective equipment as required.  
P303+361+353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water and soap or take a shower if necessary.  
P332+313: If skin irritation occurs: Get medical advice or attention.  
P304+340: 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.  
P305+351+338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
P337+313: If eye irritation persists: Get medical advice or attention.  
P362+364: Take off contaminated clothing and wash before reuse.  
P370+378: In case of fire: Use chemical foam, dry chemical or carbon dioxide to extinguish.  
P403+P235+P233: Store in a well-ventilated place. Keep container tightly closed. Keep cool.  
P501: Dispose of contents and container to an approved waste disposal plant.

### 3. Composition/information on ingredients

Common name	CAS	Weight % content
Acetone	67-64-1	10 - 30 %
Ethyl Alcohol	64-17-5	10 - 30 %
Butyl acetate (normal)	123-86-4	10 - 30 %
Isobutyl acetate	110-19-0	10 - 30 %
Nitrocellulose	9004-70-0	5 - 10 %
Urea, polymer with formaldehyde, isobutylated	68002-18-6	3 - 7 %
Bis(2-Ethylhexyl) adipate	103-23-1	1 - 5 %
Xylene	1330-20-7	1 - 5 %
N,N'-Ethylene distearamide	110-30-5	1 - 5 %
Isopropyl alcohol	67-63-0	1 - 5 %
n-Propyl acetate	109-60-4	1 - 5 %
Ethylbenzene	100-41-4	0.1 - 1 %

### 4. First-aid measures

<b>Inhalation</b>	Move person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen by trained personnel. If a problem develops or persists, seek medical attention.
<b>Skin contact</b>	Wash skin with warm water and mild soap. Remove contaminated clothing and wash before reuse. Avoid touching eyes with contaminated body parts. If a problem develops or persists, seek medical attention.
<b>Eye contact</b>	IMMEDIATELY flush with plenty of water. Remove contact lenses. Flush with water for at least 15 minutes. Hold eyelids apart to rinse properly. Seek medical attention immediately.
<b>Ingestion</b>	DO NOT induce vomiting, unless recommended by medical personnel. If victim is conscious wash out mouth with water and give 1-2 glasses of water to drink. Never give anything by mouth if victim is unconscious or convulsing. If spontaneous vomiting occurs, keep head below hip level to prevent aspiration into the lungs. Seek medical attention or contact a Poison Centre immediately.
<b>Other</b>	No information available.
<b>Symptoms</b>	No information available.

<b>Notes to the physician</b>	Treat symptomatically.
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## 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	dried powder, carbon dioxide (CO <sub>2</sub> ), alcohol resistant foam, Do not use a heavy water jet.
<b>Specific hazards arising from the chemical</b>	NFPA: Class IB Flammable liquid. Vapours are heavier than air and may travel to an ignition source distant from the material handling point. May be ignited by heat, sparks, flame or static electricity. Do not apply to hot surfaces. Contact with strong oxidizers may cause fire. In a fire or if heated, a pressure increase will occur and the container may burst. Emits toxic fumes under fire conditions.
<b>Special protective equipment</b>	Firefighters must wear self contained breathing apparatus with full face mask. Firefighting suit may not be efficient against chemicals.
<b>Special protective actions for fire-fighters</b>	Water stream can scatter and spread fire. If water is used, fog nozzles are preferable. Use water spray to cool fire-exposed containers.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Do not touch spilled material. Make sure to wear personal protective equipment mentioned in this Safety Data Sheet.
<b>Environmental precautions</b>	Prevent entry in sewer and other enclosed area. For a large spill, consult the Department of Environment or the relevant authorities.
<b>Methods and materials for containment and cleaning up</b>	Remove sources of ignition. Ventilate the area well. Stay against the wind spill. Make sure you have a fire extinguisher near you. Stop leak, if it's possible to do so without risk. Use non-sparking and antistatic tools. Absorb with inert material (soil, sand, vermiculite) or wipe up or scrape up and place in an appropriate waste disposal container clearly identified. Dispose via a licensed waste disposal contractor. Finish cleaning the contaminated surface by rinsing with soapy water.

## 7. Handling and storage

<b>Precautions for safe handling</b>	Keep away from heat, sparks and open flame. Turn off all pilot lights, flames, stoves, heaters, electric motors, welding equipment and other sources of ignition. Use non-sparking and antistatic tools. Ground/bond all containers when transferring large quantities (5 gallons US or 20 L and more). Use only in well ventilated area. Avoid prolonged or repeated breathing of vapour or mists. Avoid contact with skin, eyes and clothing. Make sure to wear personal protective equipment mentioned in this Safety Data Sheet. Keep containers tightly closed when not in use. Containers of this material may be hazardous even when empty. Since empty containers retain product residues (vapour, liquid), all hazard precautions given in this sheet must be observed. Do not eat, do not drink and do not smoke during use. Wash hands, forearms and face thoroughly after handling this compound and before eating, drinking or using toiletries. Remove contaminated clothing and wash before reuse.
<b>Conditions for safe storage, including any incompatibilities</b>	Storage and handling should follow the NFPA 30 Flammable and/or Combustible Liquids Code and the National Fire Code of Canada (NFCC). NFPA: Class IB Flammable liquid. Store tightly closed and in properly labelled container in a dry, cool and well ventilated place. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Store away from oxidizing materials and incompatible materials (see section 10).
<b>Storage temperature</b>	10 to 25°C (50 to 77°F)



Individual protection measures	
<b>Eye</b>	Wear safety glasses. If there is a risk of contact with eyes, wear chemical splash goggles.
<b>Hands</b>	In case of prolonged contact wear neoprene or nitrile gloves. Before using, user should confirm impermeability. Discard gloves with tears, pinholes, or signs of wear. Gloves must only be worn on clean hands. Wash gloves with water before removing them. After using gloves, hands should be washed and dried thoroughly.
<b>Skin</b>	Personal protective equipment for the body should be selected based on the task being performed and the risks involved. Wear a long-sleeved shirt. Wear synthetic apron, if necessary, to prevent repeated or prolonged contact with skin.
<b>Respiratory</b>	Where the conditions in the workplace require a respirator, it is necessary to follow a respiratory protection program. Moreover, respiratory protection equipment (RPE) must be selected, fitted, maintained and inspected in accordance with regulations and standard 29 CFR 1910.134 (OSHA), ANSI Z88.2 or CSA Z 94.11 (Canada) and approved by NIOSH/MSHA. In case of insufficient ventilation or in enclosed area until maximum 10 times of exposure limit, wear half mask respirator with organic vapors cartridges and fitted with a particulate filter. Use a dust particle mask when sanding.
<b>Feet</b>	Wear rubber boots to clean up a spill.

## 9. Physical and chemical properties

<b>Physical state</b>	Liquid	<b>Flammability</b>	Flammable.
<b>Colour</b>	White or colored	<b>Flammability limits</b>	2.6 to 12.8%
<b>Odour</b>	Solvent odor	<b>Flash point</b>	-18°C (-0.4°F)
<b>Odour threshold</b>	N/Av.	<b>Auto-ignition temperature</b>	N/Av.
<b>pH</b>	N/Av.	<b>Sensibility to electrostatic charges</b>	Yes
<b>Melting point</b>	N/Av.	<b>Sensibility to sparks and/or friction</b>	N/Av.
<b>Freezing point</b>	N/Av.	<b>Vapour density</b>	>1 (Air = 1)
<b>Boiling point</b>	56.1°C (133°F)	<b>Relative density</b>	0.905 kg/L (Water = 1)
<b>Solubility</b>	No	<b>Partition coefficient n-octanol/water</b>	N/Av.
<b>Evaporation rate</b>	> Butyl Acetate	<b>Decomposition temperature</b>	N/Av.
<b>Vapour pressure</b>	N/Av.	<b>Viscosity</b>	N/Av.
<b>Percent Volatile</b>	83.95%	<b>Molecular mass</b>	N/Av.

N/Av.: Not Available    N/Av.: Not Applicable    Und.: Undetermined    N/E: Not Established

## 10. Stability and reactivity

<b>Reactivity</b>	No information available.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions (including polymerizations)</b>	A dangerous reaction will not occur.

<b>Conditions to avoid</b>	Avoid heat, flame and sparks. Avoid contact with incompatible materials.
<b>Incompatible materials</b>	Strong oxidants, strong bases, mineral acids, strong acids.
<b>Hazardous decomposition products</b>	In combustion: nitrogen oxides, carbon oxides (CO, CO <sub>2</sub> ).

## 11. Toxicological information


<b>Numerical measures of toxicity</b>	Isobutyl acetate	Ingestion 13400 mg/kg Rat LD50 Inhalation >38 mg/l/4h Rat LC50 Skin >17400 mg/kg Rabbit LD50	
	Butyl acetate (normal)	Ingestion 10768 mg/kg Rat LD50 Inhalation >32.5 mg/l/4h Rat LC50 Skin >17600 mg/kg Rabbit LD50	
	Acetone	Ingestion 5800 mg/kg Rat LD50 Inhalation 71.4 mg/l/4h Rat LC50 Skin 15800 mg/kg Rabbit LD50	
	Ethyl Alcohol	Ingestion 7060 mg/kg Rat LD50 Inhalation 39 mg/l/4h Mouse LC50 Skin 20000 mg/kg Rabbit LD50	
	Nitrocellulose	Ingestion >5000 mg/kg Rat LD50	
	Urea, polymer with formaldehyde, isobutylated	Ingestion >5000 mg/kg Rat LD50 Skin >5000 mg/kg Rabbit LD50	
	n-Propyl acetate	Ingestion 8700 mg/kg Rat LD50 Inhalation >16.7 mg/l/4h Rat LC50 Skin >17800 mg/kg Rabbit LD50	
	Bis(2-Ethylhexyl) adipate	Ingestion 9100 mg/kg Rat LD50 Inhalation >5.7 mg/l/4h Rat LC50 Skin 17297 mg/kg Rabbit LD50	
	Isopropyl alcohol	Ingestion 5045 mg/kg Rat LD50 Inhalation 66.1 mg/l/4h Rat LC50 Skin 6280 mg/kg Rat LD50	
	N,N'-Ethylene distearamide	Ingestion >5000 mg/kg Rat LD50 Inhalation >14.6 mg/l/4h Rat LC50 Skin >20000 mg/kg Rat LD50	
	Xylene	Ingestion 3523 mg/kg Rat LD50 Inhalation 27.6 mg/l/4h Rat LC50 Skin 3200 mg/kg Rabbit LD50	
	Ethylbenzene	Ingestion 3500 mg/kg Rat LD50 Inhalation 17.3 mg/l/4h Rat LC50 Skin 15380 mg/kg Rabbit LD50	
	<b>Likely routes of exposure</b>	Skin, eyes, inhalation, ingestion.	
	<b>Delayed, immediate and chronic effects</b>	<b>Eye contact</b>	May cause eye irritation.
		<b>Skin contact</b>	May cause slight irritation of the skin. Prolonged and repeated contact may cause drying and cracking of the skin. Widespread contact with skin for several hours can cause harmful amounts of material to be absorbed.
		<b>Inhalation</b>	Excessive inhalation is harmful. May cause slight upper respiratory tract irritation. High concentrations may cause central nervous system depression characterized by headache, dizziness, nausea, fatigue, drowsiness, unconsciousness, asphyxia. The severity of symptoms may vary depending on exposure conditions. Prolonged exposure may cause damage to liver, kidneys, lungs and blood forming organs.
		<b>Ingestion</b>	May cause gastro-intestinal irritation with nausea and vomiting. Contains a substance that can cause target organ damage, according to data obtained on animals.

	<p><b>IARC/NTP Classification</b></p> <p><b>Carcinogenicity</b></p> <p><b>Teratogenicity</b></p> <p><b>Mutagenicity</b></p> <p><b>Reproductive toxicity</b></p> <p><b>Immunotoxicity</b></p>	<p><b>Common name IARC NTP</b></p> <p>Ethylbenzene 2B -</p> <p>IARC : 1- Carcinogenic; 2A- Probably carcinogenic; 2B- Possibly carcinogenic. NTP : K- Known to be carcinogens; R- Reasonably anticipated to be carcinogens.</p> <p>Contains an ingredient possibly carcinogenic to humans (Group 2B, IARC). Ethylbenzene (CAS no. 100-41-4). The risk of cancer depends on duration and level of exposure.</p> <p>This material is not known to cause teratogenic effect.</p> <p>This material is not known to cause mutagenic effect.</p> <p>Xylene overexposure may affect fetal development in laboratory animals by inhalation during pregnancy.</p> <p>No information available.</p>
<b>Interactive effects</b>	No information available for this product.	
<b>Other information</b>	Target organs: central nervous system, kidneys, liver, lungs. blood forming organs. The acute toxicity estimate (ATE) by inhalation of the mixture was calculated to be greater than 20 mg/L/4h. This value is not classified according to GHS. The oral and skin acute toxicity estimates (ATE) of the mixture were calculated to be greater than 2000 mg/kg. These values are not classified according to WHMIS 2015 and OSHA HCS 2012.	

## 12. Ecological information

<b>Ecological toxicity</b>	N/Av. LC50 N/Av.
<b>Persistence</b>	No information available for this product.
<b>Degradability</b>	No information available for this product.
<b>Bioaccumulative potential</b>	No information available for this product.
<b>Mobility in soil</b>	No information available for this product.
<b>Other adverse effects</b>	No information available for this product.


## 13. Disposal considerations

<p><b>Container</b></p> 	<p>Important! Prevent waste generation. Use in full. DO NOT dispose residue in sewers, streams or drinking water supply. Paint residues including lacquer, thinner, stain, shellac, varnish, polish can be reprocessed everywhere there is a recycling program. Dispose via a licensed waste disposal contractor. Observe all federal, state/provincial and municipal regulations. If necessary consult the Department of Environment or the relevant authorities.</p>
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## 14. Transport information

<b>UN Number</b>	UN 1263
<b>UN Proper Shipping Name</b>	PAINT
<b>Environmental hazards</b>	This material is not listed as a marine pollutant.
<b>Special precautions for user</b>	No information available.

**TDG - Transportation of Dangerous Goods (Canada)**

<b>Transport hazard class(es)</b>	 Class 3
<b>Packing group</b>	II
<b>IMO/IMDG - International Maritime Transport</b>	
<b>Classification</b>	Regulated UN 1263. Class 3, PG II.
<b>IATA - International Air Transport Association</b>	
<b>Classification</b>	Regulated UN 1263. Class 3, PG II.
These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. In addition, if a domestic exemption exists, it is the responsibility of the shipper to define the application of it.	

## 15. Regulatory information

<b>Other regulations</b>	<p><b>UNITED STATE OF AMERICA:</b></p> <ul style="list-style-type: none"> <li>- Toxic Substance Control Act (TSCA) : All ingredients are listed in the TSCA Inventory.</li> <li>- EPCRA Section 313 Toxic Chemicals: Ethylbenzene (CAS no. 100-41-4). Xylenes (CAS no. 1330-20-7).</li> <li>- California Proposition 65: Contains ingredients that can cause cancer according to the state of California. Ethylbenzene (CAS no. 100-41-4).</li> </ul> <p><b>CANADA :</b></p> <ul style="list-style-type: none"> <li>- Canada DSL and NDSL: All ingredients are listed in the Domestic Substances List (DSL).</li> <li>- Canadian National Pollutant Release Inventory Substances (NPRI): Ethylbenzene (CAS no. 100-41-4). Xylenes (CAS no. 1330-20-7). Isopropyl alcohol (CAS no. 67-63-0). Ethyl alcohol (CAS no. 64-17-5). n-Butyl acetate (CAS no. 123-86-4). Bis(2-Ethylhexyl) adipate (CAS no. 103-23-1).</li> </ul>							
	<p><b>WHMIS 1988</b></p> <p> </p> <p>B2 D2A D2B</p> <p>Class B2 : Flammable Liquid Class D2A : Very toxic material causing other toxic effects Class D2B : Toxic material causing other toxic effects</p> <p><b>HMIS</b></p> <table border="1"> <tr><td>2</td><td>Health</td></tr> <tr><td>3</td><td>Flamability</td></tr> <tr><td>0</td><td>Reactivity</td></tr> <tr><td>1</td><td>Protective Equipment</td></tr> </table> <p><b>NFPA</b></p> 	2	Health	3	Flamability	0	Reactivity	1
2	Health							
3	Flamability							
0	Reactivity							
1	Protective Equipment							



## 16. Other information

<b>Date (YYYY-MM-DD)</b>	GEMINI INDUSTRIES, INC. 2014-03-20
<b>Version</b>	01
<b>Other information</b>	<p>REFERENCES:</p> <ul style="list-style-type: none"><li>- NIOSH Pocket Guide to Chemical Hazards, Centers for Disease Control and Prevention, NIOSH Publications, 2007, <a href="http://www.cdc.gov/niosh/npg/npg.html">http://www.cdc.gov/niosh/npg/npg.html</a></li><li>- IPCS INCHEM, Chemical Safety Information from Intergovernmental Organizations, Canadian Centre for Occupational Health and Safety (CCOHS), Copyright International Programme on Chemical Safety (IPCS), <a href="http://www.inchem.org">http://www.inchem.org</a></li><li>- Service du répertoire toxicologique de la Commission des normes, de l'équité, de la santé et de la sécurité du travail (CNESST), <a href="http://www.reptox.csst.qc.ca">http://www.reptox.csst.qc.ca</a></li><li>- IUCLID Chemical Dataset, European Chemical Substances Information System (ESIS), Joint Research Centre, <a href="http://esis.jrc.ec.europa.eu">http://esis.jrc.ec.europa.eu</a></li><li>- Haz-Map, Information on Hazardous Chemicals and Occupational Diseases, <a href="http://hazmap.nlm.nih.gov/index.php">http://hazmap.nlm.nih.gov/index.php</a></li></ul> <p>ACGIH: American Conference of Governmental Industrial Hygienists AIHA: American Industrial Hygiene Association HMIS: Hazardous Materials Identification System NFPA: National Fire Protection Association OSHA: Occupational Safety and Health Administration (USA) NIOSH: National Institute for Occupational Safety and Health NTP: National Toxicology Program RSST: Règlement sur la santé et la sécurité du travail (Québec) GHS: Globally Harmonized System IARC: International Agency for Research on Cancer IDLH: Immediately Dangerous to Life or Health STEL: Short Term Exposure Limit (15 min) TWA: Time Weighted Averages WHMIS: Workplace Hazardous Materials Information System</p> <p>To the best of our knowledge, the information contained herein is accurate. However, neither Préventis System nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.</p>