

# SAFETY DATA SHEET

# **SECTION 1 - Chemical Product and Company Information**

Product Name: CATACLEAR II 680 CV SATIN Product Code: 310300-20

Manufactured by: 24- Hour Emergency (Spill, Leak, Exposure or Accident):

Gemini Coatings INFOTRAC 800-535-5053

2300 Holloway Drive Outside USA, Call Collect 1-352-323-3500

El Reno, OK 73036 800-262-5710

24- Hour Emergency HAZMAT Response and MSDS Help:

EMI 800-510-8510

Product Use: A protective and/or decorative finish or accompanying product (reference label or product data sheet for more information).

Not recommended for: Any other use not detailed on product data sheet or label.

#### **SECTION 2 - Hazards Identification**

# **GHS Ratings:**

Flammable liquid	1	Flash point < 23°C and initial boiling point <= 35°C (95°F)
Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: >= 2.3 < 4.0 or persistent inflammation
Eye corrosive	2A	Eye irritant: Subcategory 2A, Reversible in 21 days
Skin sensitizer	1	Skin sensitizer
Mutagen	1B	Known to produce heritable mutations in human germ cellsSubcategory 1B, Positive results: In vivo heritable germ cell tests in mammals, Human germ cell tests, In vivo somatic mutagenicity tests, combined with some evidence of germ cell mutagenicity
Carcinogen	1B	Presumed Human Carcinogen, Based on demonstrated animal carcinogenicity
Reproductive toxin	1A	Based on human evidence

**GHS Precautions** 

GHS Hazards	
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H224	Extremely flammable liquid and vapour	P201 P202	Obtain special instructions before use. Do not handle until all safety
H315 H317	Causes skin irritation May cause an allergic skin		precautions have been read and understood
	reaction	P210	Keep away from heat/sparks/open
H319	Causes serious eye irritation		flames/hot surfaces – No smoking
H340	May cause genetic defects	P233	Keep container tightly closed
H350	May cause cancer	P240	Ground/bond container and receiving
H360	May damage fertility or the		equipment
	unborn child	P241	Use explosion-proof
			electrical/ventilating/light/mixers/equipm
			ent
		P242	Use only non-sparking tools
		P243	Take precautionary measures against
			static discharge
		P261	Avoid breathing
			dust/fume/gas/mist/vapours/spray
		P264	Wash any exposed skin thoroughly after handling

Contaminated work clothing should not be allowed out of the workplace

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

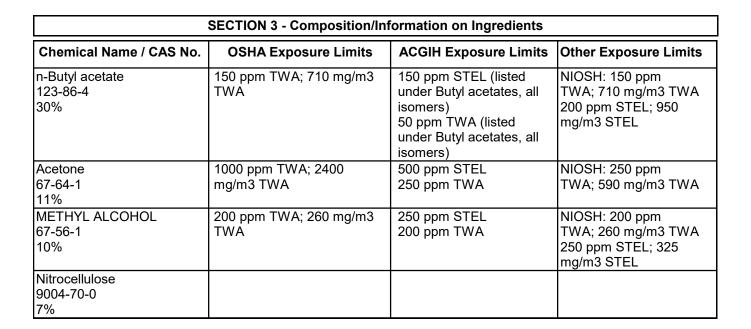
P272

P280

P281	Use personal protective equipment as required
P321	Specific treatment (see First Aid section on this label)
P362	Take off contaminated clothing and wash before reuse
P363	Wash contaminated clothing before reuse
P302+P352	IF ON SKIN: Wash with soap and water
P303+P361+P35	IF ON SKIN (or hair): Remove/Take off
3	immediately all contaminated clothing.
3	Rinse skin with water/shower
P305+P351+P33	IF IN EYES: Rinse continuously with
8	water for several minutes. Remove
	contact lenses if present and easy to
	do – continue rinsing
P308+P313	IF exposed or concerned: Get medical
	advice/attention
P332+P313	If skin irritation occurs: Get medical
	advice/attention
P333+P313	If skin irritation or a rash occurs: Get
	medical advice/attention
P337+P313	Get medical advice/attention
P370+P378	In case of fire: Use the NFPA Class B
	extinguisher for extinction
P405	Store locked up
P403+P235	Store in a well ventilated place. Keep
	cool
P501	Do not flush to sewer, watershed or
	waterway. Dispose of product in
	accordance with applicable local,
	county, state and federal regulations.

Signal Word: Danger





r <del> </del>			
Urea, polymer with formaldehyde, butylated 68002-19-7			
TOLUENE 108-88-3 5% - 10%	200 ppm TWA	20 ppm TWA	NIOSH: 100 ppm TWA; 375 mg/m3 TWA 150 ppm STEL; 560 mg/m3 STEL
Xylenes (o-, m-, p- isomers) 1330-20-7 5%	100 ppm TWA; 435 mg/m3 TWA	150 ppm STEL 100 ppm TWA	
Propylene glycol monomethyl ether acetate 108-65-6 3%			
Isopropyl alcohol 67-63-0 3%	400 ppm TWA; 980 mg/m3 TWA	400 ppm STEL 200 ppm TWA	NIOSH: 400 ppm TWA; 980 mg/m3 TWA 500 ppm STEL; 1225 mg/m3 STEL
Isobutyl alcohol 78-83-1 2%	100 ppm TWA; 300 mg/m3 TWA	50 ppm TWA	NIOSH: 50 ppm TWA; 150 mg/m3 TWA
Silica gel, precipitated, crystalline free 112926-00-8 1%			
Naphtha, petroleum, hydrodesulfurized heavy 64742-82-1 0.2%			

## **SECTION 4 - First Aid Measures**

#### Inhalation:

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

#### **Eye Contact:**

Flush eyes with lukewarm water for 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 out immediately. Drink 1 or 2 glasses of water to dilute. <u>DO NOT</u> induce vomiting. Contact physician or poison control center immediately.

# **SECTION 5 - Fire Fighting Measures**

# Alcohol Foam, CO2, Dry Chemical

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat. Do not apply to hot surfaces. Never use welding or cutting torch on or near container (even empty) because product (even residue) may ignite explosively. Liquid and vapor states of this substance are dangerous fire hazards and moderate explosion hazards when exposed to heat or flame. Oxidation may produce carbon and nitrogen oxides.

Clear fire area of unprotected personnel. Do not enter confined space without helmet, face shield, bunker coat, gloves, rubber boots and a positive pressure NIOSH-approved self-contained breathing apparatus. A water stream can scatter flames. A spray of water may be used to cool closed containers to prevent pressure buildup and possible auto ignition or explosion when exposed to extreme heat. If water is used, fog nozzles are preferable. Use the National Fire Protection Association Class B extinguisher.

#### **SECTION 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.

# **SECTION 7- Handling and Storage**

# Handling:

Bond and ground metal containers when transferring liquid. Avoid free fall of liquid in excess of a few inches. 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.

SECTION 8 - Exposure Controls/Personal Protection			
Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
n-Butyl acetate 123-86-4	150 ppm TWA; 710 mg/m3 TWA	150 ppm STEL (listed under Butyl acetates, all isomers) 50 ppm TWA (listed under Butyl acetates, all isomers)	NIOSH: 150 ppm TWA; 710 mg/m3 TWA 200 ppm STEL; 950 mg/m3 STEL
Acetone 67-64-1	1000 ppm TWA; 2400 mg/m3 TWA	500 ppm STEL 250 ppm TWA	NIOSH: 250 ppm TWA; 590 mg/m3 TWA
METHYL ALCOHOL 67-56-1	200 ppm TWA; 260 mg/m3 TWA	250 ppm STEL 200 ppm TWA	NIOSH: 200 ppm TWA; 260 mg/m3 TWA 250 ppm STEL; 325 mg/m3 STEL
Nitrocellulose 9004-70-0			
Urea, polymer with formaldehyde, butylated 68002-19-7			
TOLUENE 108-88-3	200 ppm TWA	20 ppm TWA	NIOSH: 100 ppm TWA; 375 mg/m3 TWA 150 ppm STEL; 560 mg/m3 STEL
Xylenes (o-, m-, p- isomers) 1330-20-7	100 ppm TWA; 435 mg/m3 TWA	150 ppm STEL 100 ppm TWA	
Propylene glycol monomethyl ether acetate 108-65-6			
Isopropyl alcohol 67-63-0	400 ppm TWA; 980 mg/m3 TWA	400 ppm STEL 200 ppm TWA	NIOSH: 400 ppm TWA; 980 mg/m3 TWA 500 ppm STEL; 1225 mg/m3 STEL
Isobutyl alcohol 78-83-1	100 ppm TWA; 300 mg/m3 TWA	50 ppm TWA	NIOSH: 50 ppm TWA; 150 mg/m3 TWA
Silica gel, precipitated, crystalline free 112926-00-8			
Naphtha, petroleum, hydrodesulfurized heavy 64742-82-1			

Use local exhaust as required to control vapor concentrations. Avoid prolonged or repeated breathing of vapors.

#### **Respiratory Protection:**

If exposure exceeds TLV or PELs, 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 splash proof googles and face shield if there is a likelihood of contact with eyes.

## **Hygenic Practices**

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

#### **SECTION 9 - Physical and Chemical Properties**

Vapor Density Heavier Than Air

Boiling range: 34 - 141°C

Freezing point: N/A Flammability: N/A

Autoignition temperature: 170°C

Relative Density: N/A

Odor threshold: N/A

**SPECIFIC GRAVITY** 0.9403

Partition coefficient (n- N/A

octanol/water):

Grams VOC less water: N/A

% WT. VOLATILE (VOC) 59.2249

Lbs VOC/Gallon Solids 20.7672

**SOLIDS VOL% 22.3297** 

**SPREAD @ 1 MIL** 358.1681

Appearance Liquid

Physical State Liquid

Coating VOC (g/l) 637.9960

Coating VOC (Lb/GI) 5.3242

**Evaporation Rate** Faster than Butyl

Acetate

Melting point: N/A

Flash point: 32°F,0°C

**Explosive Limits: N/A** 

**Decomposition temperature:** N/A

Vapor Pressure N/A

pH: N/A

Solubility: N/A

Viscosity: N/A

% VOLUME VOLATILE (VOC) 64.7685

% Pig. by wt. 1.0159

**VOLATILE WT%** 70.2016

DENSITY (Lb/Gal) 7.8299

**HAPS (lbs/gl)** 1.6122

Odor N/A

Material VOC (g/l) 555.6829

Material VOC (Lb/GI) 4.6373

## **SECTION 10 - Stability and Reactivity**

Stability: Stable under normal conditions.

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

Conditions to avoid: high heat, sparks, flames, static discharge.

Hazardous Decomposition: Oxidation may produce carbon and nitrogen oxides.

Hazardous polymerization will not occur.

## **SECTION 11 - Toxicological Information**

## **Mixture Toxicity**

Inhalation Toxicity LC50: 83mg/L

**Component Toxicity** 

123-86-4	n-Butyl acetate Inhalation LC50: 390 ppm (Rat)
108-88-3	TOLUENE Oral LD50: 2,600 mg/kg (Rat) Inhalation LC50: 13 mg/L (Rat)
1330-20-7	Xylenes (o-, m-, p- isomers) Oral LD50: 3,500 mg/kg (Rat) Dermal LD50: 4,350 mg/kg (Rabbit) Inhalation LC50: 29 mg/L
108-65-6	Propylene glycol monomethyl ether acetate Dermal LD50: 5 g/kg (Rabbit)
67-63-0	Isopropyl alcohol Oral LD50: 1,870 mg/kg (Rat) Dermal LD50: 4,059 mg/kg (Rabbit)
78-83-1	Isobutyl alcohol Oral LD50: 2,460 mg/kg (Rat) Dermal LD50: 3,400 mg/kg (Rabbit) Inhalation LC50: 7 mg/L
64742-82-1	Naphtha, petroleum, hydrodesulfurized heavy Oral LD50: 5,000 mg/kg (Rat) Dermal LD50: 3,160 mg/kg (Rabbit)

## Primary Routes of Entry: Inhalation, Skin Contact, Eyes, Ingestion

#### Skin:

Skin contact can cause redness, dryness or rash. Prolonged contact can cause irritation, dry skin, cracks, and dermititis.

#### Ingestion:

Can cause vomiting, nausea, diarrhea, and gastrointestinal irritation.

#### Inhalation:

Excessive inhalation of vapors can cause nasal and repiratory irritation, dizziness, weakness, fatigue, nausea, headache possible unconsciousness and even asphyxiation. High vapor concentrations or porlonged breathing of lower concentrations may result in damage to the liver, kidneys, lungs and blood forming organs. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

## Eyes:

Can cause irritation, redness, tearing and blurred vision.

**Carcinogenicity:** The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing).

CAS Number Description % Weight Carcinogen Rating
64742-82-1 Naphtha, petroleum, hydrodesulfurized heavy

Description % Weight Carcinogen Rating Naphtha, petroleum, hydrodesulfurized heavy: EU

REACH: Present (P)

## **SECTION 12 - Ecological Information**

#### **Ecological Information:**

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

# **Component Ecotoxicity**

n-Butyl acetate LC50 96 h Lepomis macrochirus 100 mg/L [static] (EPA); LC50 96 h

Pimephales promelas 17 - 19 mg/L [flow-through] (EPA) EC50 72 h Desmodesmus subspicatus 674.7 mg/L (IUCLID)

Acetone LC50 96 h Oncorhynchus mykiss 4.74 - 6.33 mL/L (EPA); LC50 96 h

Pimephales promelas 6210 - 8120 mg/L [static] (IUCLID); LC50 96 h Lepomis

macrochirus 8300 mg/L (EPA)

EC50 48 h Daphnia magna 10294 - 17704 mg/L [Static] (EPA); EC50 48 h

Daphnia magna 12600 - 12700 mg/L (IUCLID)

METHYL ALCOHOL LC50 96 h Pimephales promelas 28200 mg/L [flow-through] (EPA); LC50 96 h

Pimephales promelas >100 mg/L [static] (EPA); LC50 96 h Oncorhynchus mykiss 19500 - 20700 mg/L [flow-through] (EPA); LC50 96 h Oncorhynchus mykiss 18 - 20 mL/L [static] (EPA); LC50 96 h Lepomis macrochirus 13500 -

17600 mg/L [flow-through] (EPA)

TOLUENE LC50 96 h Pimephales promelas 15.22 - 19.05 mg/L [flow-through] (1 day old,

EPA); LC50 96 h Pimephales promelas 12.6 mg/L [static] (EPA); LC50 96 h Oncorhynchus mykiss 5.89 - 7.81 mg/L [flow-through] (EPA); LC50 96 h Oncorhynchus mykiss 14.1 - 17.16 mg/L [static] (EPA); LC50 96 h Oncorhynchus mykiss 5.8 mg/L [semi-static] (EPA); LC50 96 h Cryzias latines 54 mg/L

macrochirus 11.0 - 15.0 mg/L [static] (EPA); LC50 96 h Oryzias latipes 54 mg/L [static] (EPA); LC50 96 h Poecilia reticulata 28.2 mg/L [semi-static] (EPA);

LC50 96 h Poecilia reticulata 50.87 - 70.34 mg/L [static] (EPA)

EC50 48 h Daphnia magna 5.46 - 9.83 mg/L [Static] (EPA); EC50 48 h Daphnia

magna 11.5 mg/L (IUCLID)

EC50 96 h Pseudokirchneriella subcapitata >433 mg/L (IUCLID); EC50 72 h

Pseudokirchneriella subcapitata 12.5 mg/L [static] (EPA)

Xylenes (o-, m-, p- isomers) LC50 96 h Pimephales promelas 13.4 mg/L [flow-through] (EPA); LC50 96 h

Oncorhynchus mykiss 2.661 - 4.093 mg/L [static] (EPA); LC50 96 h Oncorhynchus mykiss 13.5 - 17.3 mg/L (IUCLID); LC50 96 h Lepomis macrochirus 13.1 - 16.5 mg/L [flow-through] (EPA); LC50 96 h Lepomis macrochirus 19 mg/L (EPA); LC50 96 h Lepomis macrochirus 7.711 - 9.591 mg/L [static] (EPA); LC50 96 h Pimephales promelas 23.53 - 29.97 mg/L [static] (EPA); LC50 96 h Cyprinus carpio 780 mg/L [semi-static] (EPA); LC50 96 h Cyprinus carpio >780 mg/L (IUCLID); LC50 96 h Poecilia reticulata 30.26 -

40.75 mg/L [static] (EPA)

EC50 48 h water flea 3.82 mg/L; LC50 48 h Gammarus lacustris 0.6 mg/L

Propylene glycol monomethyl

ether acetate

LC50 96 h Pimephales promelas 161 mg/L [static] (IUCLID)

EC50 48 h Daphnia magna >500 mg/L (IUCLID)

Isopropyl alcohol LC50 96 h Pimephales promelas 9640 mg/L [flow-through] (IUCLID); LC50 96 h

Pimephales promelas 11130 mg/L [static] (IUCLID); LC50 96 h Lepomis

macrochirus >1400000 µg/L (EPA)

EC50 48 h Daphnia magna 13299 mg/L (IUCLID)

EC50 96 h Desmodesmus subspicatus >1000 mg/L (IUCLID); EC50 72 h

Desmodesmus subspicatus >1000 mg/L (IUCLID)

Isobutyl alcohol LC50 96 h Pimephales promelas 375 mg/L [static] (fry, IUCLID); LC50 96 h

Pimephales promelas 1370 - 1670 mg/L [flow-through] (EPA); LC50 96 h Lepomis macrochirus 1480 - 1730 mg/L [flow-through] (EPA); LC50 96 h

Oncorhynchus mykiss 1120 - 1520 mg/L [flow-through] (EPA)

EC50 48 h Daphnia magna 1300 mg/L (IUCLID); EC50 48 h Daphnia magna

1070 - 1933 mg/L [Static] (EPA)

## **SECTION 13 - Disposal Considerations**

Do not flush to sewer, watershed or waterway. Dispose of product in accordance with applicable local, county, state and federal regulations. See Section 8 for information on exposure control and necessary personal protective equipment.

## **SECTION 14 - Transportation Information**

Ship according to the Department of Transportation (DOT) 49 CFR regulations.

Agency Proper Shipping Name UN Number Packing Group Hazard Class

DOT PAINT UN1263 II 3

Freight Class: 55

#### **SECTION 15 - Regulatory Information**

## California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986):

This product contains the follosing listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

108-88-3 TOLUENE

67-56-1 METHYL ALCOHOL

The following ingredients are listed in the TSCA Section 8(b) Inventory (Hydrated forms of chemical substances are exempt from the inventory as mixtures; the anhydrous chemical substances, however, are reportable for the Inventory):

64742-82-1 Naphtha, petroleum, hydrodesulfurized heavy

78-83-1 Isobutyl alcohol

67-63-0 Isopropyl alcohol
108-65-6 Propylene glycol monomethyl ether acetate
6422-86-2 1,4-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester
1330-20-7 Xylenes (o-, m-, p- isomers)
108-88-3 TOLUENE
68002-19-7 Urea, polymer with formaldehyde, butylated
9004-70-0 Nitrocellulose
67-56-1 METHYL ALCOHOL
67-64-1 Acetone
123-86-4 n-Butyl acetate

## US CAA Section 112 Hazardous Air Pollutants (HAPs) List

108-88-3 TOLUENE 1330-20-7 Xylenes (o-, m-, p- isomers) 67-56-1 METHYL ALCOHOL

# US EPCRA (SARA Title III) Section 313 - Toxic Chemical:

67-63-0 Isopropyl alcohol 108-88-3 TOLUENE 1330-20-7 Xylenes (o-, m-, p- isomers) 67-56-1 METHYL ALCOHOL

## **Hazardous Material Information System (HMIS)**



#### **SECTION 16 - Disclaimer**

Date Prepared: 9/8/2023 Date revised: 2023-09-08

Reviewer Revision

THIS DOCUMENT SUPERSEDES 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 HEREIN 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. UNDER NO CIRCUMSTANCES SHALL GEMINI BE LIABLE FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL OR ANY OTHER DAMAGES FROM ALLEGED NEGLIGENCE, BREACH OR WARRANTY, STRICT LIABILITY, OR ANY OTHER LEGAL THEORY, ARISING OUT OF THE USE OR HANDLING OF THIS PRODUCT. THE SOLE REMEDY OF THE BUYER AND THE SOLELIABILITY OF GEMINI FOR ANY CLAIMS SHALL BE LIMITED TO THE BUYER'S PURCHASE PRICE OF THE PRODUCT WHICH IS THE SUBJECT OF THE CLAIM OR THE AMOUNT ACTUALLY PAID FOR SUCH PRODUCT, WHICHEVER IS LESS.TECHNICAL ADVICE FURNISHED BY GEMINI SHALL NOT CONSTITUTE AN EXPRESS WARRANTY, WHICH IS EXPRESSLY DISCLAIMED. ALL TECHNICAL ADVICE GIVEN IS ACCEPTED AT THE RISK OF THE BUYER.