

SAFETY DATA SHEET

SECTION 1 - Product & Company Identification

Product Name: CAT Yellow DTM Urethane Product Code: RCT 07 1033 PU

Rapid Cure Technologies
7030 Fly Road
East Syracuse, NY 13057
1-888-847-3610

Emergency Phone (Day)
M-F 8a-4p EST: 1-888-847-3610

Emergency Phone (Night)
All other Hours: 1-800-424-9300 Chemtrec

Product Use: Industrial Coating
Not recommended for: Residential Use

SECTION 2 - Hazards Identification

GHS Ratings:

Flammable liquid	2	Flash point < 23°C and initial boiling point > 35°C (95°F)
Oral Toxicity	4	Oral>300+<=2000mg/kg
Eye corrosive	2A	Eye irritant: Subcategory 2A, Reversible in 21 days
Mutagen	1B	Known to produce heritable mutations in human germ cells Subcategory 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	1A	Known Human Carcinogen Based on human evidence

GHS Hazards

H225	Highly flammable liquid and vapour
H302	Harmful if swallowed
H319	Causes serious eye irritation
H340	May cause genetic defects
H350	May cause cancer

GHS Precautions

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/hot surfaces – No smoking
P233	Keep container tightly closed
P240	Ground/bond container and receiving equipment
P241	Use explosion-proof electrical/ventilating/lighting equipment
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge
P264	Wash skin thoroughly after handling
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
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 continuously with 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
P337+P313	If eye irritation persists, get medical advice/attention

P370+P378

In case of fire: Use water spray, carbon dioxide (CO₂), dry powder or dry chemical foam for extinction

P405

Store locked up

P403+P235

Store in a well ventilated place. Keep cool

P501

Dispose of contents/container in accordance with all local, jurisdictional, national and international regulations.

Signal Word: Danger



SECTION 3 - Composition / Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
Crystalline silica	14808-60-7	20.00% - 30.00%
Pigment Yellow 42	51274-00-1	5.00% - 10.00%
Acetone	67-64-1	5.00% - 10.00%
N-Butyl acetate	123-86-4	5.00% - 10.00%
Calcium carbonate	1317-65-3	5.00% - 10.00%
2,4-Pentanedione	123-54-6	1.00% - 5.00%
Amorphous silica	67762-90-7	1.00% - 5.00%
Titanium dioxide	13463-67-7	1.00% - 5.00%
Mineral spirits	8052-41-3	0.10% - 1.00%
Solvent, naphtha, petroleum, light aromatic	64742-95-6	0.10% - 1.00%

SECTION 4 - First Aid Measures

INHALATION: Move subject to fresh air and keep warm. If subject is not breathing, administer artificial respiration. If breathing is difficult, have qualified personnel administer oxygen and get medical attention.

EYE CONTACT: Flush the eye and under the lids with warm water for 15 minutes. Remove any contact lenses during the flushing. Get immediate medical attention if symptoms persist.

SKIN CONTACT: Remove and isolate contaminated clothing and shoes. Remove excess material from skin with clean cloth. Flush skin with running lukewarm water. Wash affected area using mild soap.

INGESTION: If appreciatble quantities are swallowed, seek immediate medical attention.

SECTION 5 - Firefighting Measures

Flash Point: -18 C (0 F)

LEL: 3.0%

UEL: 13.0%

EXTINGUISHING MEDIA: Water spray, dry powder, carbon dioxide (CO₂) or dry chemical foam. Do not use a solid water stream as it may scatter and spread fire.

ADVICE FOR FIREFIGHTERS: Vapors may form explosive mixtures with air. Most vapors are heavier than air. They will spread along the ground and collect in confined or low areas. Vapors may travel to source of ignition and flash

back. As in any fire wear a self-contained breathing apparatus and full protective gear . Do not enter a fire area without proper protective equipment.

SECTION 6 - Accidental Release Measures

SPILL PROCEDURES: Remove all sources of ignition and ventilate area. Avoid skin and eye contact. Use respiratory protection. Absorb with inert materials such as dry clay or sand and place in a closed container for disposal as solid waste in accordance with applicable regulations.

ENVIRONMENTAL PRECAUTIONS: Do not empty into drains. Do not discharge into drains/surface water/groundwater.

SECTION 7 - Handling and Storage

HANDLING: Keep away from open flames, sources of ignition and hot surfaces. Avoid conditions that could lead to static discharge. Ground all metal parts/containers. Avoid any unnecessary contact. Do not breathe vapors, spray or mist. Use protective clothing specified in Section 8.

STORAGE: Store away from heat and sunlight to prevent polymerization . Keep away from open flames, ignition sources and hot surfaces. Polymerization initiators include peroxides, strong oxidizers, strong acids & strong bases.

SECTION 8 - Exposure Controls / Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Crystalline silica 14808-60-7	PEL 10mg/m ³	TLV - 0.025mg/m ³ 8-hour TWA (respirable fraction)	Not Established
Pigment Yellow 42 51274-00-1	Not Established	Not Established	Not Established
Acetone 67-64-1	Not Established	Not Established	Not Established
N-Butyl acetate 123-86-4	150 ppm TWA; 710 mg/m ³ TWA	200 ppm STEL 150 ppm TWA	NIOSH: 150 ppm TWA; 710 mg/m ³ TWA 200 ppm STEL; 950 mg/m ³ STEL
Calcium carbonate 1317-65-3	Not Established	Not Established	Not Established
2,4-Pentanedione 123-54-6	Not Established	25 ppm TWA	Not Established
Amorphous silica 67762-90-7	Not Established	Not Established	Not Established
Titanium dioxide 13463-67-7	PEL: 15mg/m ³ 8 hr. TWA Total Dust	10mg/m ³ TWA	Not Established
Mineral spirits 8052-41-3	500 ppm TWA; 2900 mg/m ³ TWA	100 ppm TWA	NIOSH: 350 mg/m ³ TWA 1800 mg/m ³ Ceiling (15 min)
Solvent, naphtha, petroleum, light aromatic 64742-95-6	Not Established	Not Established	Not Established

ENGINEERING CONTROLS: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use explosion proof ventilation equipment and non-sparking tools.

HAND PROTECTION: Use nitrile, butyl, neoprene or other gloves that are resistant to chemicals in Section 3. Replace immediately if punctured, torn or when change of appearance (color, elasticity, shape) occurs .

EYE PROTECTION: Use splash-proof safety goggles, safety glasses or face shields that are ANSI approved to prevent eye contact. Eye wash availability is also recommended.

SKIN PROTECTION: Protective or disposable outer clothing is recommended. Protective clothing must be thoroughly cleaned after each use.

RESPIRATORY PROTECTION: Use local exhaust to control vapors and mists. Use of a NIOSH approved respirator for organic vapors is recommended if TLV is exceeded .

CONTAMINATED GEAR: Lightly contaminated clothing may be laundered but separately from daily use clothing . Heavily contaminated clothing, including shoes and other PPE should be disposed of.

SECTION 9 - Physical and Chemical Properties

<p>Physical State: Liquid</p> <p>Odor: Ester-like</p> <p>pH: N/A</p> <p>Boiling Point/Range: N/A</p> <p>Evaporation Rate: N/A</p> <p>LEL: N/A</p> <p>Vapor Pressure: N/A</p> <p>Lbs/Gal: 11.37</p> <p>Partition Coefficient (n- octanol/water): N/A</p> <p>Decomposition Temperature: N/A</p> <p>VOC: 1.67 lbs/gal</p>	<p>Color: Yellow</p> <p>Odor Threshold: N/A</p> <p>Freezing/Melting Point: N/A</p> <p>Flash Point: 0°F</p> <p>Flammability: N/A</p> <p>UEL: N/A</p> <p>Vapor Density: N/A</p> <p>Solubility: N/A</p> <p>Autoignition Temperature: N/A</p> <p>Viscosity #3 Zahn: 50-55 sec</p>
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SECTION 10 - Stability and Reactivity

STABILITY: Product is stable under recommended storage conditions. Refer to Section 7.

STABLE

CONDITIONS TO AVOID: Excessive heat, ignition sources, exposure to direct sunlight and contamination with foreign materials.

None

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal oxidation or pyrolysis (as in fire) may yield carbon dioxide, carbon monoxide and volatile organic compounds, which can be flammable, irritating, corrosive or toxic.

None

Hazardous polymerization will not occur.

SECTION 11 - Toxicological Information

Mixture Toxicity

Oral Toxicity LD50: 1,934mg/kg

Inhalation Toxicity LC50: 72mg/L

Component Toxicity

Eye Contact

None

Effects of Overexposure

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
8052-41-3	Mineral spirits	1% - 1.0%	Mineral spirits: EU REACH: Present (P)
14808-60-7	Crystalline silica	0% - 30%	Crystalline silica:
64742-95-6	Solvent, naphtha, petroleum, light aromatic	1% - 1.0%	Solvent, naphtha, petroleum, light aromatic: EU REACH: Present (P)

SECTION 12 - Ecological Information

General Notes - Avoid release to the environment.

Component Ecotoxicity

N-Butyl acetate	96 Hr LC50 Lepomis macrochirus: 100mg/L [static] 96 Hr LC50 Pimephales promelas: 17-19 mg/L [flow through] 72 Hr EC50 Desmodesmus subspicatus: 674 mg/L
2,4-Pentanedione	96 Hr LC50 Pimephales promelas: 98.3-110 mg/L [flow-through] 96 Hr LC50 Lepomis macrochirus: 50.3-71.8 mg/L [flow-through] 96 Hr LC50 Oncorhynchus mykiss: 64.1-80.1 mg/L (flow-through) 48 Hr EC50 Daphnia magna: 34.4 mg/L
Titanium dioxide	96 Hr LC50: Pimephales promelas: > 1000 mg/L 72 Hr EC50: Pseudokirchneriella subcapitata: > 100 mg/L 48 Hr EC50: Daphnia magna: > 1000 mg/L
Solvent, naphtha, petroleum, light aromatic	96 Hr LC50 Oncorhynchus mykiss: 9.22 mg/L 48 Hr EC50 Daphnia magna: 6.14 mg/L

SECTION 13 - Disposal Considerations

Waste from Residues/Unused Products - Dispose of in accordance with local regulations.

Contaminated Packaging - Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14 - Transportation Information

Disclaimer - Any given paint product can be shipped in different size containers, ranging from a pint can to bulk tanks. The shipping regulations in the United States vary depending on container size. The Basic Description given below are for shipments in fully regulated, non-bulk containers, where the UN ID Number, Proper Shipping Name, (technical names, if any), Packing Groups & Hazard Class (subsidiary risks, if any) are given. This section does not cover packaging exceptions, such as smaller quantities that can be shipping in combination packaging i.e. Limited Quantities or Consumer Commodities with or without basic descriptions or shipping papers. Not covered are exceptions given for products that do not sustain combustion and are exempted from regulation under certain modes of transportation. Products containing Reportable Quantities (RQ's) of hazardous substances when shipped in bulk, but not reportable when shipped in non-bulk packaging are not covered either. All subsequent shipping of this product must be done by properly trained and certified employees under the specific competent authority's regulations.

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	PAINT	UN1263	II	3
IATA	PAINT	UN1263	II	3
IMDG	PAINT	UN1263	II	3

SECTION 15 - Regulatory Information

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

The following items are reportable under SARA 313:

None

This product contains the following chemicals which are listed by the state of California as carcinogenic or a reproductive toxin:

14808-60-7 Crystalline silica 20 - 30%

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
USA	TSCA	No
Canada	DSL	No

EU Risk Phrases

Safety Phrase

None

SECTION 16 - Other Information

DISCLAIMER: To the best of our knowledge, the product information contained herein is based upon data believed to be reliable, however makes no warranty and disclaims any liability whatsoever for its accuracy or completeness. Since the actual use of this product is beyond our control, no guarantee expressed or implied, is made by Rapid Cure Technologies, Inc. as to the effects of such uses nor does Rapid Cure Technologies, Inc. assume liability arising out of the use of this product by others. It remains the responsibility of the user to ensure that the product herein is in accordance with all applicable laws and regulations.

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Reviewer Revision 1

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