

SAFETY DATA SHEET

SECTION 1 - Product & Company Identification

Product Name: Urethane Catalyst - Part B - 171717 Product Code: RCT 01 1010 IC

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	3	Flash point $\geq 23^{\circ}\text{C}$ and $\leq 60^{\circ}\text{C}$ (140°F)
Respiratory sensitizer	1	Respiratory sensitizer
Skin sensitizer	1	Skin sensitizer
Reproductive toxin	1B	Presumed, Based on experimental animals

GHS Hazards

H226	Flammable liquid and vapour
H317	May cause an allergic skin reaction
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H360	May damage fertility or the unborn child

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
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P272	Contaminated work clothing should not be allowed out of the workplace
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P285	In case of inadequate ventilation wear respiratory protection
P321	Specific treatment (see ... on this label)
P363	Wash contaminated clothing before reuse
P302+P352	IF ON SKIN: Wash with soap and water
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P341	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
P308+P313	IF exposed or concerned: Get medical advice/attention
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention
P342+P311	Call a POISON CENTER or doctor/physician

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 %
Homopolymer of hexamethylene diisocyanate	28182-81-2	60.00% - 70.00%
Parachlorobenzotrifluorides	98-56-6	10.00% - 20.00%
N-Butyl acetate	123-86-4	5.00% - 10.00%
Acetic acid, hexyl ester	142-92-7	1.00% - 5.00%
Methylisoamylketone	110-12-3	1.00% - 5.00%

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: 27 C (81 F)

LEL: N/A

UEL: N/A

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
Homopolymer of hexamethylene diisocyanate 28182-81-2	Not Established	Not Established	Not Established
Parachlorobenzotrifluorides 98-56-6	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
Acetic acid, hexyl ester 142-92-7	Not Established	Not Established	Not Established
Methylisoamylketone 110-12-3	100 ppm TWA; 475 mg/m ³ TWA	50 ppm STEL 20 ppm TWA	NIOSH: 50 ppm TWA; 240 mg/m ³ TWA

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

Physical State: Liquid Odor: Naphthalenic pH: N/A Boiling Point/Range: N/A Evaporation Rate: N/A LEL: N/A Vapor Pressure: N/A Lbs/Gal: 9.23 Partition Coefficient (n- N/A octanol/water): Decomposition Temperature: N/A VOC: 3.05 lbs/gal	Color: Clear Odor Threshold: N/A Freezing/Melting Point: N/A Flash Point: 81°F Flammability: N/A UEL: N/A Vapor Density: N/A Solubility: N/A Autoignition Temperature: N/A Viscosity #3 Zahn: 15 sec
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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

Inhalation Toxicity LC50: 22mg/L

Component Toxicity

None

None

Effects of Overexposure

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
None			None

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 Desmodemus subspicatus: 674 mg/L
Acetic acid, hexyl ester	96 Hr LC50 Pimephales promelas; 3.7-4.4 mg/L [flow-through]
Methylisoamylketone	96 Hr LC50 Pimephales promelas: 159 mg/L [flow through] (30 days old)

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	III	3
IATA	PAINT	UN1263	III	3
IMDG	PAINT	UN1263	III	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:

872-50-4 Methyl pyrrolidone 0.1 - 1.0%

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
USA	TSCA	Yes
Canada	DSL	Yes

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.

Date revised: 2020-12-07

Reviewer Revision 1

Date Prepared: 12/7/2020