



**CSH7 ACCELERATOR - QUARTS**

Version 2.  
REVISION DATE: 06/29/2009

Print Date 07/07/2009

**SECTION 1 - PRODUCT IDENTIFICATION**

Trade name : CSH7 ACCELERATOR - QUARTS  
Product code : CSH7ACCM1QT

COMPANY : Republic Powdered Metals  
2628 Pearl Road  
Medina, OH 44256

Telephone : (800) 551-7081  
Emergency Phone: : 1-800-551-7081  
After Hours: Chemtrec 1-800-424-9300

Product use : Curative

**SECTION 2 - HAZARDS IDENTIFICATION**

**Emergency Overview**

Light Yellow. Liquid solution. May cause slight irritation to the respiratory system. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

**Acute Potential Health Effects/ Routes of Entry**

Inhalation : May cause slight irritation to the respiratory system.  
Eyes : Vapors or liquid may cause tearing, blurred vision, severe irritation, and possible chemical burns.  
Ingestion : May cause irritation to the mouth, throat and stomach. May cause chemical burns to stomach, mouth, nose, and throat.  
Skin : May cause moderate irritation. May cause sensitization resulting in irritation, itching and redness.

**Aggravated Medical Conditions**

Pre-existing eye, skin and respiratory disorders may be aggravated by exposure.

**Chronic Health Effects**

Prolonged and repeated overexposure to amines may cause liver and kidney damage based on animal studies. Prolonged inhalation or ingestion of large amounts of 1-chloro-4-(trifluoromethyl)-benzene may cause liver and kidney damage based on laboratory animal studies. Prolonged or repeated overexposure to acetone may cause liver damage, Central Nervous System depression and narcosis. Prolonged and repeated exposure to excessive airborne concentrations of talc can result in scarring of the lungs (pneumoconiosis) or the covering of the lungs (pleural thickening). Fillers are encapsulated and not expected to be released from product under normal conditions of use. Prolonged or repeated exposure to mineral spirits (petroleum naphtha or stoddard solvent) may cause defatting, drying, and irritation of the skin, dermatitis, central nervous system (CNS) effects, and adverse liver, kidney, and lung effects.

**Target Organs:** Skin, Eye, Lung

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**SECTION 3 - PRODUCT COMPOSITION**

Chemical Name	CAS-No.	Weight %
Acetone	67-64-1	30.0 - 60.0
P-chlorobenzotrifluoride	98-56-6	30.0 - 60.0
Magnesium oxide	1309-48-4	15.0 - 40.0
Dipentamethylenethiuram hexasulfide	971-15-3	7.0 - 13.0
Talc	14807-96-6	5.0 - 10.0
Hydrotreated heavy naphthenic distillate	64742-52-5	1.0 - 5.0
Hydrotreated light naphthenic distillate	64742-53-6	1.0 - 5.0
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	- <0.1

**SECTION 4 - FIRST AID MEASURES**

Get immediate medical attention for any significant overexposure.

- Inhalation : Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.
- Eye contact : Flush with water for 15 minutes. If irritation persists, get medical attention.
- Skin contact : Wash area of contact thoroughly with hand cleaner followed by soap and water. If irritation, rash or other disorders develop, get medical attention immediately.
- Ingestion : Do not induce vomiting unless advised by a physician. Call nearest Poison Control Center or Physician immediately.

**SECTION 5 - FIRE FIGHTING MEASURES**

- Flash point : -4 °F, -20 °C
- Method : Tag closed cup
- Lower explosion limit : 0.9 %(V) Solvent
- Upper explosion limit : 13 %(V) Solvent
- Autoignition temperature : 500 °F, 260 °C
- Extinguishing media : If water fog is ineffective, use carbon dioxide, dry chemical or foam.
- Hazardous combustion products : Carbon monoxide, carbon dioxide, and nitrogen oxides.
- Protective equipment for firefighters : Use accepted fire fighting techniques. Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA).
- Fire and explosion conditions : Product may ignite if heated in excess of its flash point.



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**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

Stop flow. Contain spill. Keep out of water courses. Absorb spill in sand, earth or other suitable material. Transfer to appropriate container for disposal.

**SECTION 7 - HANDLING AND STORAGE**

Store under normal warehouse conditions in sealed containers. Keep container closed when not in use. Vapor may migrate to sources of ignition. Do not smoke, weld, generate sparks, or use flame near container. Change soiled work clothes frequently. Clean hands thoroughly after handling. Prevent inhalation of vapor, ingestion, and contact with skin eyes and clothing. Keep container closed when not in use. Precautions also apply to emptied containers. Handle in compliance with common hygienic practices. Clean hands thoroughly after handling.

**SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Personal protection equipment**

- Respiratory protection : Use full engineering controls before relying on personal protective equipment. Wear NIOSH/MSHA approved vapor respirator with appropriate cartridge when the vapor concentration is expected to exceed exposure limits indicated on the MSDS. Follow manufacturer's directions for respirator use.
- Hand protection : Protect hands with impervious gloves.
- Eye protection : Wear chemical safety goggles and/or face shield to prevent eye contact. Do not wear contact lenses. Do not touch eyes with contaminated body parts or materials. Have eye washing facilities readily available.
- Protective measures : Use professional judgment in the selection, care, and use.
- Engineering measures : Use local exhaust when the general ventilation is inadequate.

**Exposure Limits**

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Regulation</u>	<u>Limit</u>	<u>Form</u>
Acetone	67-64-1	ACGIH TWA: ACGIH STEL: OSHA PEL:	500 ppm 750 ppm 2,400 mg/m3	
Magnesium oxide	1309-48-4	ACGIH TWA: OSHA PEL: OSHA TWA: OSHA TWA:	10 mg/m3 15 mg/m3 15 mg/m3 5 mg/m3	Inhalable fraction. Total particulate. Total dust. Respirable fraction.
Talc	14807-96-6	ACGIH TWA: OSHA TWA: OSHA TWA: OSHA PEL: OSHA PEL:	2 mg/m3 0.1 mg/m3 0.3 mg/m3 15 mg/m3 5 mg/m3	Respirable fraction. Respirable. Total dust. Total dust. Respirable fraction.



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<b>Chemical Name</b>	<b>CAS Number</b>	<b>Regulation</b>	<b>Limit</b>	<b>Form</b>
Hydrotreated light naphthenic distillate	64742-53-6	OSHA PEL: ACGIH TWA: ACGIH STEL:	2,000 mg/m3 5 mg/m3 10 mg/m3	Mist. Mist.
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	OSHA TWA: OSHA TWA: OSHA PEL: OSHA PEL: ACGIH TWA:	0.1 mg/m3 0.3 mg/m3 15 mg/m3 5 mg/m3 0.025 mg/m3	Respirable. Total dust. Total dust. Respirable fraction. Respirable fraction.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

Form : Liquid solution  
 Color : Light Yellow  
 Odor : Solvent  
 pH : Not available.  
 Vapour pressure : 118 hPa  
 Vapor density : Not available.  
 Melting point/range : Not available.  
 Freezing point : Not available.  
 Boiling point/range : Not available.  
 Water solubility : Not available.  
 Specific Gravity : 1.14  
 % Volatile Weight : 64 %

**SECTION 10 - REACTIVITY / STABILITY**

Substances to avoid : Acids.  
 Stability : Stable under normal conditions. Avoid welding arcs, flames or other high temperature sources.  
 Hazardous polymerization : Will not occur under normal conditions.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

Acetone, CAS-No.: 67-64-1  
 Acute oral toxicity (LD-50 oral) 9,800 mg/kg ( Rat ) 3,000 mg/kg ( Mouse ) 5,340 mg/kg ( Rabbit ) 5.2 g/kg ( Mouse ) 5,800 mg/kg ( Rat )  
 Acute inhalation toxicity (LC-50) 50.1 mg/l for 8 h ( Rat ) 76 mg/l for 4 h ( Rat )  
 Acute dermal toxicity (LD-50 dermal) 20,000 mg/kg ( Rabbit ) 20 mg/kg ( Rabbit )



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**SECTION 12 - ECOLOGICAL INFORMATION**

No Data Available

**SECTION 13 - DISPOSAL CONSIDERATIONS**

RCRA Class : D001: Reportable Quantity = 100 lbs. (Characteristic of ignitability)

This classification applies only to the material as it was originally produced.

Disposal Method : Subject to hazardous waste treatment, storage, and disposal requirements under RCRA. Recycle or incinerate waste at EPA approved facility or dispose of in compliance with federal, state and local regulations.

**SECTION 14 - TRANSPORTATION / SHIPPING DATA**

**TDG / DOT Shipping Description:**

FLAMMABLE LIQUID, N.O.S. (Acetone), 3, UN1993, PG II

**SECTION 15 - REGULATORY INFORMATION**

**North American Inventories:**

All components are listed or exempt from the TSCA inventory.  
This product or its components are listed on, or exempt from the Canadian Domestic Substances List.

**U.S. Federal Regulations:**

SARA 313 Components : None present or none present in regulated quantities.

SARA 311/312 Hazards : Acute Health Hazard  
Chronic Health Hazard  
Fire Hazard

**OSHA Hazardous Components :**

Acetone	67-64-1
Magnesium oxide	1309-48-4
Talc	14807-96-6
Hydrotreated light naphthenic distillate	64742-53-6
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7

OSHA Status: Considered : Irritant  
hazardous based on the : Carcinogen  
following criteria:

OSHA Flammability : Not Regulated



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Regulatory VOC (less water and exempt solvent) : 4 g/l

VOC Method 310 : 64 %

Chemical is listed as an IARC, NTP, OSHA, or ACGIH Carcinogen:  
Hydrotreated light naphthenic distillate 64742-53-6

**U.S. State Regulations:**

MASS RTK Components : Acetone 67-64-1  
Magnesium oxide 1309-48-4  
Talc 14807-96-6  
Hydrotreated light naphthenic distillate 64742-53-6  
Crystalline Silica (Quartz)/ Silica Sand 14808-60-7

Penn RTK Components : Acetone 67-64-1  
P-chlorobenzotrifluoride 98-56-6  
Magnesium oxide 1309-48-4  
Dipentamethylenethiuram hexasulfide 971-15-3  
Talc 14807-96-6  
Hydrotreated heavy naphthenic distillate 64742-52-5  
Hydrotreated light naphthenic distillate 64742-53-6

NJ RTK Components : Acetone 67-64-1  
P-chlorobenzotrifluoride 98-56-6  
Magnesium oxide 1309-48-4  
Dipentamethylenethiuram hexasulfide 971-15-3  
Talc 14807-96-6  
Hydrotreated heavy naphthenic distillate 64742-52-5  
Hydrotreated light naphthenic distillate 64742-53-6

WARNING! Contains chemicals known to the State of California to cause cancer, birth defects and/or other reproductive harm:

14808-60-7 Crystalline Silica (Quartz)/ Silica Sand



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**SECTION 16 - OTHER INFORMATION**

**HMIS Rating :**

Health	1
Flammability	3
Reactivity	1
PPE	

- 0 = Minimum
- 1 = Slight
- 2 = Moderate
- 3 = Serious
- 4 = Severe

**Further information:**

For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.

**Prepared by: Rich Mikol**

**Legend**

- ACGIH - American Conference of Governmental Hygienists
- NTP - National Toxicology Program
- DOT - Department of Transportation
- DSL - Domestic Substance List
- EPA - Environmental Protection Agency
- HMIS - Hazardous Materials Information System
- IARC - International Agency for Research on Cancer
- MSHA - Mine Safety Health Administration
- NDSL - Non-Domestic Substance List
- NIOSH - National Institute for Occupational Safety and Health
- CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act
- OSHA - Occupational Safety and Health Administration

- PEL - Permissible Exposure Limit
- RCRA - Resource Conservation and Recovery Act
- RTK - Right To Know
- SARA - Superfund Amendments and Reauthorization Act
- STEL - Short Term Exposure Limit
- TLV - Threshold Limit Value
- TSCA - Toxic Substances Control Act
- TWA - Time Weighted Average
- V - Volume
- VOC - Volatile Organic Compound
- WHMIS - Workplace Hazardous Materials Information System

