SAFETY DATA SHEET

WORKING COPY

OSHA Hazard Communication Standard 29 CFR 1910.1200. Prepared to GHS Rev03.

Date Prepared : 5/14/2015
SDS No : CQ-9010

CQ-9010

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: CQ-9010
GENERAL USE: Cleaning Compound
PRODUCT DESCRIPTION: Parts Cleaner
PRODUCT CODE: 25633
GENERIC NAME: CQ-9010

MANUFACTURER

PTI Process Chemcials
5414 Business Pkwy
Ringwood, Il 60072
E-Mail: Info@ptichem.com

24 HR. EMERGENCY TELEPHONE NUMBERS

AAPCC Poison Help : (800) 424-9300
CANUTEC (Canadian Transportation) : (613) 996-6666
InfoTrac (US Transportation) : 800-535-5053

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Acute Toxicity (Oral), Category 4
Target Organ Toxicity (Repeated exposure), Category 2
Aspiration Hazard, Category 1
Eye Irritation, Category 2A

Environmental:

Flammable Liquids, Category 2
Acute Hazards to the Aquatic Environment, Category 3

Physical:

Skin Corrosion, Category 2
Skin Irritation, Category 2
Serious Eye Damage, Category 2
Skin Irritation, Category 2

GHS LABEL

Flammable liquid and vapour.


Flame


Exclamation mark


Health hazard

HAZARD STATEMENTS

H226: Flammable liquid and vapour.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

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H304: May be fatal if swallowed and enters airways.
H336: May cause drowsiness or dizziness.

PRECAUTIONARY STATEMENTS

Prevention:

P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minuts. Remove contact lenses, if present and easy to do. Continue rinsing.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P284: Wear respiratory protection.

Response:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P103: Read label before use.
P241: Use explosion-proof electrical/ventilating/lighting/…/ equipment.
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P405: Store locked up.
P233: Keep container tightly closed.
P264: Wash … thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area.
P304+P340: IF INHALED: Remove 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.

Disposal:

P501: Dispose of contents/container to …

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Acetone	> 85	67-64-1
2-propanol	< 15	67-63-0

COMMENTS: Formulation is based on weight %

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

SKIN: Remove contaminated clothing and shoes. Immediately flush skin with plenty of water for at least 15 minutes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

INGESTION: Get medical attention immediately. Call a poison center or physician. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. Call doctor. If vomiting occurs, keep head below hip to prevent aspiration of liquid into lungs.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. If unconcious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt, or waistband.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

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EYES: Adverse symptoms may include pain or irritation, watering, and redness.

SKIN: Adverse symptoms may include irritation and redness.

INGESTION: Adverse symptoms may include nausea and vomiting.

INHALATION: Harmful if inhaled. Can cause central nervous system (CNS) depression. May cause drowsiness and dizziness.

NOTES TO PHYSICIAN: If ingested, this material presents a significant aspiration and chemical pneumonitis hazard. Induction of emesis is not recommended. Consider activated charcoal and/or gatsric lavage. If patient is obtunded, protect the airway by endotracheal intubation or by placement of the body in a trendelenburg and left lateral decubitus position.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Flammable liquid class 1B.

EXTINGUISHING MEDIA: Dry chemical, alcohol foam or carbon dioxide or water spray (fog). Water may be ineffective. Water spray may be used to keep fire exposed containers cool, dilute spills to nonflammable mixtures, protect personnel attempting to stop leak and disperse vapors.

HAZARDOUS COMBUSTION PRODUCTS: Under fire conditions some components of this product may decompose. The smoke may contain unidentified toxic and/or irritating compounds. Combustion products may include and are not limited to: nitrogen oxides, carbon monoxide, and carbon dioxide.

EXPLOSION HAZARDS: Above flash point, vapor-air mixtures are explosive within flammable limits noted. Vapors can flow along surfaces to distant ignition sources and flash back. Contact with strong oxidizers may cause fire. Sealed containers may rupture when heated. This material may produce a floating fire hazard. Sensitive to static discharge.

FIRE FIGHTING PROCEDURES: Promtly remove all persons from the vicinity of the incident if there is a fire. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

FIRE FIGHTING EQUIPMENT: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode. Increases the flammability of combustible, organic and readily oxidizable materials.

HAZARDOUS DECOMPOSITION PRODUCTS: Decomposition products may include carbon dioxide and carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Contain spilled material if possible. Absorb with materials such as: Non-combustible material. Collect in suitable and properly labeled containers.

LARGE SPILL: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor.

GENERAL PROCEDURES: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil, or air). Water polluting material. May be harmful to the environment if released in large quantities.

SPECIAL PROTECTIVE EQUIPMENT: Put on appropriate personal protective equipment (protective gloves, clothing, eye protection, and face protection). Wear appropriate respirator when ventilation is inadequate. Use explosion-proof equipment. Use only non-sparking tools.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Use only in a well ventilated area.

HANDLING: Loosen closure cautiously before opening. Keep away from heat and flame. Follow all SDS/label precautions even after container is emptied because it may retain product residues.

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STORAGE: Store in accordance with local regulations. Store in a segregated and approved area in original container protected from sunlight in a dry, cool and well-ventilated and approved area away from incompatible materials. Keep container closed to prevent drying out. Move container away from oxidizing materials. Use appropriate containment to avoid environmental contamination.

STORAGE TEMPERATURE: Store away from heat sources and direct sunlight. Ideal storage temperature is 60-68F.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m³	ppm	mg/m³	ppm	mg/m³
Acetone	TWA	1000	2400	500		NL	NL
	STEL			750		NL	NL
2-propanol	TWA	400	980	200	490	NL	NL
	STEL			400	960	NL	NL

ENGINEERING CONTROLS: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent).

SKIN: Use gloves chemically resistant to this material. Examples of preffered glove barrier material include: Neoprene, Polyvinyl chloride (PVC or vinyl), Polyethylene, Natural rubber (latex), Nitrile/butadiene rubber (nitrile or NBR), Ethyl vinyl alcohol laminate (EVAL). Avoid gloves made of Polyvinyl alcohol (PVA). The selection of the specific glove depends on the partical application, duration, other chemicals involved besides this product, physical requirements, potential skin reaction to glove materials, as well as the instructions/specifications provided by the glove supplier.

RESPIRATORY: Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use the approved respirator. Selection of air-purifying or positive-pressure supplied air, will depend on the specific operation and the potential airborne concentration of the material.

PROTECTIVE CLOTHING: Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task.

9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: Fragrant, mint-like, pleasant aromatic odor.

ODOR THRESHOLD: No data available. Contact Env. Dept.

APPEARANCE: Clear, colorless, transparent liquid

COLOR: Water-white

PHYSICAL STATE COMMENTS: Flammable Liquids

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pH: ~ 7

PERCENT VOLATILE: 100 at (70°F)

FLASH POINT AND METHOD: < 10°C (50°F) Tag Closed-Cup (ASTM D56)

FLAMMABLE LIMITS: 2 to 12

AUTOIGNITION TEMPERATURE: > 465°C (869°F)

VAPOR PRESSURE: > 32 mm Hg at 20°C (68°F)

VAPOR DENSITY: > 2 Air=1

BOILING POINT: > 56.5°C (133°F)

MELTING POINT: < -89°C (-129°F)

THERMAL DECOMPOSITION: Not Available

SOLUBILITY IN WATER: 1 g/L

EVAPORATION RATE: > 2

DENSITY: ~ 6.65

SPECIFIC GRAVITY: ~ 0.799

(VOC): 100.000

10. STABILITY AND REACTIVITY

REACTIVITY: Normally reactive if handled properly

HAZARDOUS POLYMERIZATION: Product will not undergo polymerization.

STABILITY: Stable under ordinary conditions of use and storage.

CONDITIONS TO AVOID: Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide and carbon monoxide may be formed when heated to decomposition.

INCOMPATIBLE MATERIALS: Oxidizing materials, concentrated nitric and sulfuric acid mixtures, chloroform, alkalis, chlorine compounds, acids, potassium t-butoxide.

11. TOXICOLOGICAL INFORMATION

ACUTE

DERMAL LD_{50}: > 12800 mg/kg

Notes: Rabbit

SKIN ABSORPTION: No data available. Contact Env. Dept.

ORAL LD_{50}: > 5045 mg/kg

Notes: Rat

INHALATION LC_{50}: > 30 mg/L/4hrs

Notes: Rat

EYE EFFECTS: Vapors are irritating to the eyes. Splashes may cause severe irritation with stinging, tearing, redness and pain.

SKIN EFFECTS: Irritating due to the defatting action on skin. Causes redness, pain, drying and cracking of the skin.

NEUROTOXICITY: No data available. Contact Env. Dept.

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REPRODUCTIVE EFFECTS: No known significant effects or critical hazards.

TERATOGENIC EFFECTS: No known significant effects or critical hazards.

MUTAGENICITY: No known significant effects or critical hazards.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No environmental data has been collected for this product.

ECOTOXICOLOGICAL INFORMATION: This material is not expected to be toxic to aquatic life.

BIOACCUMULATION/ACCUMULATION: Based on test resluts, as well as theoretical considerations, the potential for bioaccumulation may be low (BCF<100 or Log Pow<3).

AQUATIC TOXICITY (ACUTE)

96-HOUR LC_{50}: 6210 mg/l- Pimephales promelas

48-HOUR EC_{50}: 8800 mg/l- Water flea (Daphnia magna)

96-HOUR EC_{50}: 5540 mg/l- Salmo gairdneri

CHEMICAL FATE INFORMATION: The material is expected to form a slick on the surface of waters after release in calm sea conditions. This is expected to evaporate and enter the atmosphere where it will be degraded through reaction with hydroxyl radicals.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: The generation of waste should be avoided or minimized whenever possible. Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to an RCRA approved incinerator or disposed in an RCRA approved waste facility. Dispose in accordance with all local, state, and federal regulations.

FOR LARGE SPILLS: Do not allow product to reach sewage system.

PRODUCT DISPOSAL: Disposal must be made according to official regulations.

EMPTY CONTAINER: Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container.

RCRA/EPA WASTE INFORMATION: Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Although not listed as an RCRA hazardous waste, this material may exhibit one or more characteristics of a hazardous waste and require appropriate analysis to determine specific disposal requirements. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: UN1993,Flammable Liquids,N.O.S. (Contains Acetone, Isopropyl alcohol)

UN/NA NUMBER: UN1993

PACKING GROUP: II

LABEL: Flammable Liquid

15. REGULATORY INFORMATION

UNITED STATES

DOT LABEL SYMBOL AND HAZARD CLASSIFICATION

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Flammable Liquid

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt.%	CAS
2-propanol	< 15	67-63-0

CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt.%	CERCLA RQ
Acetone	> 85	5,000

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Acetone	67-64-1
2-propanol	67-63-0

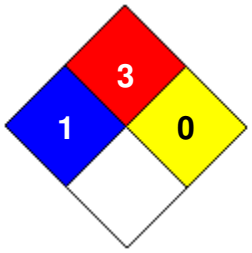
16. OTHER INFORMATION

PREPARED BY: Bruce Washington **Date Prepared:** 5/14/2015

HMIS RATING

HEALTH	1
FLAMMABILITY	3
PHYSICAL HAZARD	0
PERSONAL PROTECTION	H

NFPA CODES



MANUFACTURER DISCLAIMER: While reasonable care has been taken to ensure the accuracy and completeness of the information regarding the material described herein, it is the purchaser's responsibility to ensure the suitability of such information as it applies to the purchaser's intended use of the material. PTI Process Chemicals assumes no responsibility resulting from the use of this SDS.