

SDS

Safety Data Sheet

RUST FREE

1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Qual CHem Corporation
PMB 622 2220 Otay Lakes Rd #502
Chula Vista Calif 91915

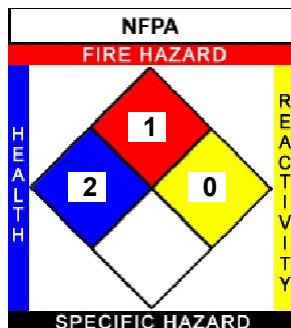
Phone: 866-932-6168

Product Name: Q315-Rust Free
Version: New
Common Name: Aerosol Rust protection
Product Use: Rust protection

2 HAZARDS IDENTIFICATION

Route of Entry: Eyes - Yes Skin - Yes Inhalation - Yes Ingestion - Unlikely
Target Organs: Eyes, skin, respiratory system, liver, kidney and central nervous system
Inhalation: Low to moderate degree of toxicity by inhalation. May cause respiratory tract irritation. Vapours may cause drowsiness and dizziness.
Skin Contact: Skin irritant. Contact may cause redness, itching, burning sensation and skin damage. Prolonged or repeated contact can de-fat the skin, causing drying, cracking and possible dermatitis
Eye Contact: Contact may cause mild eye irritation including stinging, watering and redness.
Ingestion: Low degree of toxicity by ingestion. ASPIRATION HAZARD. This material can get into the lungs during swallowing or vomiting and cause lung inflammation or damage.

NFPA: Health = 2, Fire = 1, Reactivity = 0
HMIS III: H2/F1/PH0



HMIS III	
HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARDS	0
PERSONAL PROTECTION B Safety Glasses, Gloves	

GHS Signal Word:

WARNING

GHS Hazard Pictograms:



GHS Classifications:

Health, Aspiration hazard, 2
Health, Acute toxicity, 5 Oral
Environmental, Hazards to the aquatic environment - Chronic, 2
Health, Carcinogenicity, 2
Health, Skin corrosion/irritation, 2
Health, Serious Eye Damage/Eye Irritation, 2 B
Health, Specific target organ toxicity - Single exposure, 3
Physical, Flammable Aerosols, 3

GHS Phrases:

H305 - May be harmful if swallowed and enters airways
H303 - May be harmful if swallowed
H411 - Toxic to aquatic life with long lasting effects
H351 - Suspected of causing cancer
H315 - Causes skin irritation
H320 - Causes eye irritation
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness
H229 - Pressurized container: may burst if heated

GHS Precautionary Statements:

P102 - Keep out of reach of children.
P103 - Read label before use.
P202 - Do not handle until all safety precautions have been read and understood.
P211 - Do not spray on an open flame or other ignition source.
P281 - Use personal protective equipment as required.
P302+352 - IF ON SKIN: Wash with soap and water.
P304+312 - IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
P304+341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P308+313 - IF exposed or concerned: Get medical advice/attention.
P412 - Do not expose to temperatures exceeding 50 °C/122 °F
P235+410 - Keep cool. Protect from sunlight.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do.

Continue rinsing.

P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing disorders of the skin and lungs

LISTED CARCINOGENS: OSHA - Yes IARC - Yes (2A) NTP - Anticipated

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas # | Percentage | Chemical Name

127-18-4	85-95%	Perchloroethylene
124-38-9	1-5%	Carbon dioxide (propellant)
64742-47-8	1-10%	Distillates, petroleum, hydrotreated light

4 FIRST AID MEASURES

Inhalation:	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Skin Contact:	Remove contaminated clothing and shoes and flush affected areas with large amounts of water. If skin surface is not damaged, wash with soap and water. Get medical attention.
Eye Contact:	If irritation or redness develops from exposure, flush eyes with clean water. Get medical attention if irritation persists.
Ingestion:	Aspiration hazard. If swallowed, vomiting may occur spontaneously, but DO NOT induce. If vomiting occurs, keep head below hips to prevent aspiration into lungs. Never give anything by mouth to an unconscious person. Call a physician immediately.

5 FIRE FIGHTING MEASURES

Flammability:	Non-flammable
Flash Point:	Not available.
Flash Point Method:	Not available.
Burning Rate:	Not available.
Autoignition Temp:	Not available.
LEL:	Not available.
UEL:	Not available.

Means of Extinction:

Suitable Extinguishing Media: Powder, water spray, foam, carbon dioxide.

Unsuitable Extinguishing Media: Not available.

Products of Combustion: May include, and are not limited to: oxides of carbon.

Explosion Data:

Sensitivity to Mechanical Impact: Not available.

Sensitivity to Static Discharge: Not available.

Protection of Firefighters: Containers may explode when heated. Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition. Ruptured cylinders may rocket.

Environmental Precautions: Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). This material is a water pollutant. Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

Methods for Containment: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for Clean-up: Absorb spill with inert material then place in a chemical waste container. Dispose of spill material in accordance with regulations.

7 HANDLING AND STORAGE

Handling Precautions: HARMFUL IF INHALED OR SWALLOWED. VAPOR HARMFUL. EYE, SKIN AND RESPIRATORY IRRITANT. Contents under pressure. Keep out of reach of children. Read label cautions carefully. Follow label directions to avoid injury. Use with adequate ventilation. Do not use in confined areas. Keep away from heat, sparks or open flames. Wash hands thoroughly after each use. Do not smoke while using. Avoid contact with skin and eyes. Avoid breathing vapor or mist. Do not puncture container.

Storage Requirements: Keep out of reach of children. Do not store near heat, sparks, or open flames. Do not expose to temperatures above 120°F as container may vent, rupture or burst. Do not puncture or incinerate container. Store in accordance with NFPA 30B for LEVEL 1 AEROSOL.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Maintain adequate ventilation.

Personal Protective Equip: HMIS PP, B | Safety Glasses, Gloves

INGREDIENTS	EXPOSURE LIMITS		OTHER
	OSHA-PEL	ACGIH-TLV	
Perchloroethylene	100 ppm	25 ppm	
Carbon dioxide (propellant)	5000 ppm	5000 ppm	
Distillates, petroleum, hydrotreated light	Not Est.	Not Est.	

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Light yellow-gold, clear liquid

Physical State: Mixture packaged in pressurized aerosol spray can.

Odor: ether odor

Solubility: Insoluble

Spec Grav./Density: 1.35 - 1.40g/mL

Boiling Point: >100°F

Flammability: Non-flammable (concentrate)

Flash Point: Non-Flammable

Vapor Pressure: No Data

pH: N/A

VOC: 0%

Evap. Rate: >1.00

10 STABILITY AND REACTIVITY

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Stability:	Product is stable under normal conditions.
Conditions to Avoid:	Heat, sparks, open flames and temperatures above 120°F
Materials to Avoid:	Strong acids, strong oxidizers, strong alkalis, especially NaOH, KOH; finely divided metals, especially zinc, barium, lithium. Slowly corrodes aluminum, iron and zinc.
Hazardous Decomposition:	CO, CO2, chlorine, hydrogen chloride, phosgene
Hazardous Polymerization:	Will not occur.

11 TOXICOLOGICAL INFORMATION

No product toxicological information is available.

12 ECOLOGICAL INFORMATION

No product ecological information is available.

13 DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by US EPA under RCRA (40 CFR 261) or other State and local regulations. Measurement of certain physical properties and analysis for regulated components may be necessary to make a correct determination. If this material is classified as a hazardous waste, federal law requires disposal at a licensed hazardous waste disposal facility.

14 TRANSPORT INFORMATION

DOT Class: Non-Flammable Gas (2.2) #2.2
UN #: UN 1950, Class: 2, Proper Shipping Name: Aerosols, Non-flammable

15 REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

*Perchloroethylene (127184 85-95%) CERCLA, EPCRAWPC, HAP, HWRCRA, MASS, NJHS, NRC, OSHAWAC, PA, PRIPOL, PROP65, SARA313, TOXICPOL, TOXICRCRA, TSCA, TXAIR, TXHWL

*Carbon dioxide (propellant) (124389 1-5%) MASS, OSHAWAC, PA, TSCA, TXAIR

*Distillates, petroleum, hydrotreated light (64742478 1-10%) TSCA

REGULATORY KEY DESCRIPTIONS

CERCLA = Superfund clean up substance
HAP = Hazardous Air Pollutants
MASS = MA Massachusetts Hazardous Substances List
NJHS = NJ Right-to-Know Hazardous Substances
OSHAWAC = OSHA Workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
SARA313 = SARA 313 Title III Toxic Chemicals

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TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)
TSCA = Toxic Substances Control Act
TXAIR = TX Air Contaminants with Health Effects Screening Level
TXHWL = TX Hazardous Waste List
EPCRAWPC = EPCRA Water Priority Chemicals
HWCRA = RCRA Hazardous Wastes
NRC = Nationally Recognized Carcinogens
PRIPOL = Clean Water Act Priority Pollutants
PROP65 = CA Prop 65
TOXICPOL = Clean Water Act Toxic Pollutants

California Safe Drinking Water and Toxic Enforcement Act of 1986

WARNING: This product contains a chemical known to the State of California to cause cancer

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OTHER INFORMATION

Disclaimer:

Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained herein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).