

# 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

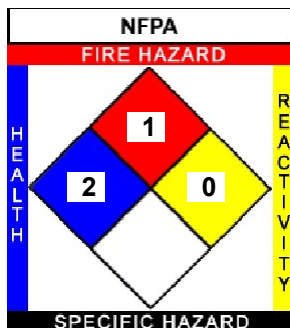
Phone: 866-932-6168

**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

<b>Inhalation:</b>	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
<b>Skin Contact:</b>	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.
<b>Eye Contact:</b>	If irritation or redness develops from exposure, flush eyes with clean water. Get medical attention if irritation persist.
<b>Ingestion:</b>	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

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

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**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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<b>Stability:</b>	Product is stable under normal conditions.
<b>Conditions to Avoid:</b>	Heat, sparks, open flames and temperatures above 120°F
<b>Materials to Avoid:</b>	Strong acids, strong oxidizers, strong alkalis, especially NaOH, KOH; finely divided metals, especially zinc, barium, lithium. Slowly corrodes aluminum, iron and zinc.
<b>Hazardous Decomposition:</b>	CO, CO2, chlorine, hydrogen chloride, phosgene
<b>Hazardous Polymerization:</b>	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  
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\*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

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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:

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