

# OSHA GHS SAFETY DATA SHEET

## 1. IDENTIFICATION

**Product identifier:** QMaxx SUPERIOR Aerosol.v2

**Recommended use of the chemical and restrictions on use:** Corrosion inhibitor, penetrating lubricant

**Manufacturer:** QMaxx Products Group, Inc.  
1781 Larkin Williams Rd.  
Fenton, MO 63026

**Telephone number:** (888) 389-9455 or (314) 966-5800

**Website:** www.qmaxxproducts.com

**Emergency phone number:** (888) 389-9455 or (314) 966-5800

## 2. HAZARD(S) IDENTIFICATION

### Classification:

Physical	Health
Flammable Aerosol Category 1 Gas Under Pressure: Compressed Gas	Skin Irritation Category 2 Eye Irritation Category 2A Skin Sensitization Category 1B Carcinogen Category 1B Specific Target Organ Toxicity Category 3 (nervous system) Aspiration Toxicity Category 1

### Label Elements



### DANGER!

#### Hazard statement(s)

Flammable aerosol.  
Contains gas under pressure; may explode if heated.  
May be fatal if swallowed and enters airways.  
Causes skin irritation.  
Causes serious eye irritation.  
May cause an allergic skin reaction.  
May cause drowsiness or dizziness.

#### Response

IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting.  
IF ON SKIN: Wash with plenty of soap and water.  
If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing and

#### Prevention

Keep away from heat, sparks, open flames, hot surfaces –  
No smoking.  
Do not spray on an open flame or other ignition source.  
Pressurized container: Do not pierce or burn, even after use  
Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Avoid breathing vapors or mists.  
Wash thoroughly with soap and water after handling.  
Contaminated clothing should not be allowed out of the workplace.  
Use only outdoors or in a well-ventilated area.  
Wear protective clothing, protective gloves and eye protection.

wash it before reuse.

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

**IF INHALED:** Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. If exposed or concerned: Get medical advice.

#### **Storage**

Store locked up.

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place.

#### **Disposal**

Dispose of contents and container in accordance with local and national regulations.

Note: This product is a consumer product and is labeled in accordance with the US Consumer Product Safety Commission regulations, which take precedence over OSHA Hazard Communication labeling. The actual container label will not include some of the labeling elements listed here.

### **3. COMPOSITION / INFORMATION ON INGREDIENTS**

<b>Chemical name</b>	<b>CAS No.</b>	<b>Concentration</b>
Tetrachloroethylene (perchloroethylene)	127-18-4	30-60%
Kerosene	8008-20-6	10-30%
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	10-30%
Corrosion Inhibitor	1855-77-3	1-10%
Calcium Sulfonate	61789-86-4	1-10%
Carbon Dioxide	124-38-9	1-10%

**The exact percentage (concentration) of composition has been withheld as a trade secret.**

### **4. FIRST-AID MEASURES**

**Inhalation:** Remove to fresh air. Get medical attention if symptoms persist. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

**Skin contact:** Wash with soap and large amounts of water. Remove contaminated clothing. Get medical attention if irritation develops or persists. Wash contaminated clothing before re-use.

**Eye contact:** Holding eyelids open, flush eyes with running water for 5 minutes. Remove contact lenses if wearing and flush open eyes with running water for 15 minutes. Seek medical attention if irritation persists.

**Ingestion:** If swallowed, do NOT induce vomiting. Call Poison Center or physician immediately.

**Most important symptoms/effects, acute and delayed:** Causes eye and skin irritation. Inhalation may cause nervous system effects such as drowsiness, headache, dizziness, nausea, vomiting and unconsciousness. Very high concentrations of tetrachloroethylene can cause pulmonary edema, which may be delayed for several hours. Repeated skin contact may cause an allergic skin reaction. Ingestion may cause nausea, vomiting, diarrhea, bloody stool, a reddening of face and neck, weakness, and loss of muscle control. Aspiration hazard – may enter the lungs during swallowing or vomiting to cause severe lung damage.

**Indication of immediate medical attention and special treatment, if necessary:** Immediate medical attention if required for ingestion and severe inhalation exposures.

Notes to physician: If swallowed, do NOT induce vomiting. Treat symptomatically. Inhalation effects may be delayed for several hours. Contact poison center for expert advice.

## 5. FIRE-FIGHTING MEASURES

**Suitable (and unsuitable) extinguishing media:** Water fog. Dry chemical. Foam. Carbon dioxide (CO<sub>2</sub>). Cool containers with water spray. Do not use a solid water stream as it may scatter and spread fire.

**Specific hazards arising from the chemical:** Contents under pressure. Flammable aerosol. Combustible. Keep away from ignition sources and open flames. Exposure of containers to extreme heat and flames can cause them to rupture often with violent force. Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back. Vapors will collect in low areas. Very hazardous in a fire situation due to high vapor generation and possible degradation to phosgene (highly toxic) and hydrogen chloride (corrosive). Combustion will produce oxides of carbon, smoke fumes, unburned hydrocarbons, hydrogen chloride, chlorine and phosgene. A vapor and air mixture can create an explosion hazard in confined spaces.

**Special protective equipment and precautions for fire-fighters:** Wear self-contained breathing apparatus pressure-demand, NIOSH (approved or equivalent) and full protective gear. Use shielding to protect from rupturing cans.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment, and emergency procedures:** Wear suitable protective clothing and equipment (See Section 8). Supplied air respiratory protection may be required for large spills. Eliminate all ignition sources and ventilate the area with explosion-proof equipment.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container .

## 7. HANDLING AND STORAGE

**Precautions for safe handling:** Avoid breathing vapors or mists. Use only with adequate ventilation. Avoid contact with skin, eyes and clothing. Wear appropriate personal protective equipment (see Section 8). Wash hands thoroughly after handling. Remove any contaminated clothing and launder before reuse. Keep away from open flames, hot surfaces and sources of ignition. Do not use in areas where welding is done without special ventilation and controls. Do not spray on hot surfaces or near open flames. Do not puncture or incinerate container, even if empty.

**Conditions for safe storage, including any incompatibilities:** Store in a cool, well-ventilated area out of direct sunlight. Store below 120°F. Store away from oxidizers, acids and bases.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure guidelines:

Tetrachloroethylene (perchloroethylene)	100 ppm TWA, 200 ppm Ceiling, 300 ppm 5 minute peak in any 3 hours OSHA PEL 25 ppm TWA, 100 ppm STEL ACGIH TLV
Kerosene	200 ppm TWA skin ACGIH TLV
Distillates (petroleum), hydrotreated heavy naphthenic	5 mg/m <sup>3</sup> TWA OSHA PEL 5 mg/m <sup>3</sup> (inhalable) TWA ACGIH TLV
Calcium Sulfonate	None Established
Corrosion Inhibitor	None Established
Carbon Dioxide	5000 ppm TWA OSHA PEL 5000 ppm TWA, 30,000 ppm STEL ACGIH TLV

**Appropriate engineering controls:** Local exhaust ventilation may be necessary to maintain exposure levels below the exposure limits listed above.

**Personal Protective Equipment:**

**Respiratory protection:** A NIOSH approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Tetrachloroethylene has poor odor warning properties because it quickly desensitizes the olfactory system. Odor must not be used to detect breakthrough of chemical cartridges. Follow OSHA requirements for end of service life indicators or a change out schedule. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection. Follow OSHA 1910.134 and ANSI Z88.2 in the selection and use of respirators.

**Skin protection:** Impervious gloves should be used.

**Eye protection:** Wear safety goggles when using this product.

**Other:** Wear impervious protective clothing where needed to prevent skin contact and avoid contamination of personal clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Amber liquid in an aerosol container

**Odor:** Solvent

<b>Odor threshold:</b> Tetrachloroethylene 4.68 ppm (technically pure)	<b>pH:</b> Not applicable
<b>Melting point/freezing point:</b> Not determined	<b>Boiling point/range:</b> 176 - 273 °C / 350 - 522 °F
<b>Flash point:</b> 64.4°C / 148°F cc	<b>Evaporation rate:</b> Not determined
<b>Flammability (solid, gas):</b> Propellant is not flammable	
<b>Flammable limits: LEL:</b> 1.0 %	<b>UEL:</b> 8 %
<b>Vapor pressure:</b> Not determined	<b>Vapor density:</b> >1 (air=1)
<b>Relative density:</b> 1.0923	<b>Solubility(ies):</b> Insoluble in water
<b>Partition coefficient: n-octanol/water:</b> Not determined	<b>Auto-ignition temperature:</b> Not determined
<b>Decomposition temperature:</b> Not determined	<b>Viscosity:</b> Not determined
<b>VOC content (%):</b> 22.7%	

## 10. STABILITY AND REACTIVITY

**Reactivity:** Not normally reactive.

**Chemical stability:** This product is stable under normal storage conditions

**Possibility of hazardous reactions:** None known.

**Conditions to avoid:** ALL SOURCES OF IGNITION, WELDING ARCS, AND OPEN FLAMES. Keep product away from temperatures in excess of 120°F (49°C). Do not crush, puncture or incinerate container. Do not expose to direct sunlight or store where temperatures could exceed 120°F.

**Incompatible materials:** Strong oxidizers, acids and bases.

**Hazardous decomposition products:** Thermal or high energy decomposition will produce hydrogen chloride, chlorine and phosgene.

## 11. TOXICOLOGICAL INFORMATION

### **Acute effects of exposure:**

**Inhalation:** Inhalation may cause nervous system effects such as drowsiness, headache, dizziness, nausea, vomiting and unconsciousness. Very high concentrations of tetrachloroethylene can cause pulmonary edema, which may be delayed for several hours. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.

**Ingestion:** Ingestion may cause nausea, vomiting, diarrhea, bloody stool, a reddening of face and neck, weakness, and loss of muscle control. Aspiration hazard – may enter the lungs during swallowing or vomiting to cause severe lung damage. Ingestion of naphthalene may damage the red blood cells and cause anemia.

**Skin contact:** Causes skin irritation. Repeated skin contact may cause an allergic skin reaction. May be harmful if absorbed through the skin.

**Eye contact:** Causes mild eye irritation.

**Chronic effects:** Chronic hydrocarbon abuse has been associated with irregular heart rhythms and potential cardiac arrest. Prolonged skin contact may defat the skin and produce dermatitis.

**Reproductive Toxicity:** None of the components are reproductive toxins.

**Germ Cell Mutagenicity:** None of the components are germ cell mutagens.

**Carcinogenicity:** None of the components present at 0.1% or greater are listed as carcinogens by IARC, NTP or OSHA.

**Numerical Measure of Toxicity:** Product Acute Toxicity Estimates: LD50 oral >5000 mg/kg; LD50 dermal >2000 mg/kg; LC50 inhalation 37 mg/L  
Tetrachloroethylene: LD50 oral rat 3005 mg/kg; LC50 inhalation rat 2445 ppm (16.5 mg/L)

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available. Components are toxic to aquatic organisms

**Persistence and degradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**Other adverse effects:** No data available

## 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with federal, state, and local regulations. Do not puncture or incinerate containers. Do not place in trash compactors. Offer for recycling where available.

**14. TRANSPORT INFORMATION**

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
<b>DOT (until 2020)</b>	None	Consumer Commodity	ORM-D	None	No
<b>DOT (after 2020)</b>	UN1950	Aerosols, LIMITED QUANTITY	2.1 (6.1)	None	No
<b>TDG</b>	UN1950	Aerosols	2.1 (6.1)	None	No
<b>IMDG</b>	UN1950	Aerosols	2.1 (6.1)	None	Marine Pollutant (tetrachloroethylene)
<b>IATA</b>	UN1950	Aerosols, flammable	2.1 (6.1)	None	No

**Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** Not applicable.  
 Transported in packaged form only.

**Special precautions:** None known

**15. REGULATORY INFORMATION**

**Safety, health, and environmental regulations specific for the product in question.**

**CERCLA:** This product has an RQ of 200 lbs based on tetrachloroethylene with a RQ of 100 lbs present at 40-50%. Oil spills are reportable to the National Response Center. Many states have more stringent reporting requirements for chemical releases. Report all releases in accordance with state, federal and local regulations.

**SARA Hazard Category (311/312):** This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories: Acute Health, Chronic Health, Fire Hazard, Pressure Hazard

**SARA 313:** This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372: Tetrachloroethylene 40-50%; Napthalene >0.2%

**EPA TSCA Inventory:** All the components are listed on the TSCA inventory.

**CA Proposition 65:** This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

**16. OTHER INFORMATION**

**NFPA Health Hazard 2      Flammability 2      Instability 0**  
**HMIS Health Hazard 2\*      Flammability 3      Physical Hazard 0      Personal protection X**

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**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.