

OSHA GHS SAFETY DATA SHEET

1. IDENTIFICATION

Product identifier: QMaxx ICE Aerosol

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 Skin Sensitization Category 1B Specific Target Organ Toxicity Category 3 (nervous system) Aspiration Toxicity Category 1

Label Elements



DANGER!

Hazard statement(s)

Extremely flammable aerosol.
 Contains gas under pressure; may explode if heated.
 May be fatal if swallowed and enters airways.
 Causes skin 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 wash before reuse.
IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a

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.
 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 gloves.

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

POISON CENTER or physician if you feel unwell. 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

Chemical name	CAS No.	Concentration
4-Chlorotrifluorotoluene	98-56-6	30-60%
Kerosene	8008-20-6	10-30%
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	10-30%
Calcium Sulfonate	61789-86-4	1-10%
Corrosion Inhibitor	Mixture	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 several 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: May cause mild eye irritation. Causes skin irritation. Inhalation may cause nervous system effects such as drowsiness, headache, dizziness and nausea. Repeated skin contact may cause an allergic skin reaction. 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.

Notes to physician: If swallowed, do NOT induce vomiting. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: Water fog. Dry chemical. Foam. Carbon dioxide (CO₂). 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. Extremely flammable aerosol. Flammable liquid and vapor. 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. Combustion will produce oxides of carbon, smoke fumes, unburned hydrocarbons and small amounts of hydrogen chloride, chlorine, hydrogen fluoride and carbonyl fluoride. A vapor and air mixture can create an explosion hazard in confined spaces.

Special protective equipment and precautions for fire-fighters: As in any fire, wear self-contained breathing apparatus pressure-demand, NIOSH (approved or equivalent) and full protective gear. Water runoff

can cause environmental damage. Dike and collect water used to fight fire. 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). Eliminate all ignition sources and ventilate the area with explosion-proof equipment.

Environmental precautions: Avoid release to the environment. Report releases as required to national and local authorities.

Methods and materials for containment and cleaning up: Place leaking cans in well ventilated, diked area (or in an open pail) until the pressure has dissipated. Contain liquid and collect with an inert, non-combustible material. Place in a suitable container for disposal.

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. 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 spray on hot surfaces of near open flames. Do not spray on live electrical equipment – always unplug and de-energize. Do not allow can to contact a source of electricity as that may damage can and cause it to burst. Do not puncture or incinerate container, even 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:

4-Chlorotrifluorotoluene	None Established
Kerosene	200 ppm TWA skin ACGIH TLV
Distillates (petroleum), hydrotreated heavy naphthenic	5 mg/m ³ TWA OSHA PEL 5 mg/m ³ (ihnhalable) 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: Good general ventilation should be sufficient to control airborne levels. Local exhaust ventilation may be necessary if the exposure limits are exceeded during the use of this product.

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. 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.

Skin protection: Impervious gloves should be used.

Eye protection: Wear safety glasses with side shields or goggles when using this product.

Other: None required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, amber liquid in an aerosol container

Odor: Solvent

Odor threshold: Not determined	pH: Not applicable
Melting point/freezing point: Not determined	Boiling point/range: 176 - 273 °C / 350 - 522 °F
Flash point: 53°C / 127°F cc	Evaporation rate: Not determined
Flammability (solid, gas): Propellant is not flammable	
Flammable limits: LEL: 0.9 %	UEL: 10.5 %
Vapor pressure: Not determined	Vapor density: >1 (air=1)
Specific Gravity: 1.0293	Solubility(ies): Insoluble in water
Partition coefficient: n-octanol/water: Not determined	Auto-ignition temperature: Not determined
Decomposition temperature: Not determined	Viscosity: Not determined
VOC content (%): 22.17%	

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 120F.

Incompatible materials: Strong oxidizers, acids and bases.

Hazardous decomposition products: May produce chlorine and fluorine containing gases.

11. TOXICOLOGICAL INFORMATION

Acute effects of exposure:

Inhalation: Inhalation may cause nervous system effects such as drowsiness, headache, dizziness and nausea. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.

Ingestion: Ingestion may cause nausea, vomiting and diarrhea. Aspiration hazard – may enter the lungs during swallowing or vomiting to cause severe lung damage

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

Eye contact: May cause 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

Toxicity: None of the components are reproductive toxins.

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

Carcinogenicity: No 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 >5000 ppm

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
DOT (until 2020)	None	Consumer Commodity	ORM-D	None	No
DOT (after 2020)	UN1950	Aerosols, LIMITED QUANTITY	2.1	None	No
TDG	UN1950	Aerosols	2.1	None	No
IMDG	UN1950	Aerosols	2.1	None	Marine Pollutant (4-Chlorotrifluorotoluene)
IATA	UN1950	Aerosols, flammable	2.1	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 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:

IMMEDIATE HEALTH HAZARD CHRONIC HEALTH HAZARD FIRE HAZARD
REACTION HAZARD PRESSURIZED GAS HAZARD

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:

IMMEDIATE HEALTH HAZARD CHRONIC HEALTH HAZARD FIRE HAZARD
REACTION HAZARD PRESSURIZED GAS 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: No SARA Section 313 components exist in this product.

EPA TSCA Inventory: All the components are listed on the TSCA inventory. This product is subject to export notification for 4-Chlorotrifluorotoluene 98-56-6.

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 4	Physical Hazard 0	Personal protection X

Date of preparation: July 20, 2016
Date of previous revision: February 23, 2016

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.