

SECTION 1 - IDENTIFICATION

Product: NUTCRACKER PLUS™ AEROSOL

Recommended use of the chemical and restrictions on use:

Uses: Multi-purpose penetrating lubricant aerosol.

List of advices against: Not available.

Details of the supplier of the Safety Data Sheet:

Momar, Inc.
1830 Ellsworth Industrial Dr.
Atlanta, Ga. 30318
404-355-4580
800-556-3967
www.momar.com

Emergency Telephone Number (INFOTRAC): North America: 1-800-535-5053
International: 1-352-323-3500

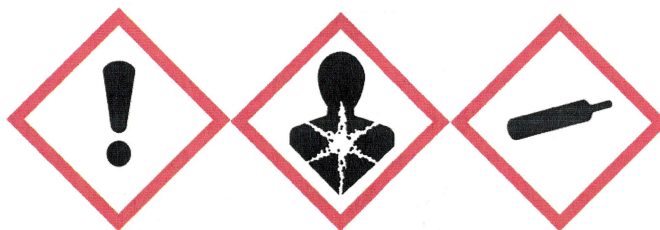
SECTION 2 – HAZARD IDENTIFICATION

Classification:	Compressed Gas	
	Eye Damage/Irritation	2A
	Skin Corrosion/Irritation	2
	Specific Target Organ Toxicity(Single Exposure)	3
	Skin Sensitization	1
	Carcinogen	2

Signal Word: Warning.

Hazard Statements: Contains a gas under pressure; may explode if heated.
Causes serious eye irritation.
Causes skin irritation.
May cause an allergic skin reaction.
May cause drowsiness or dizziness.
Suspected of causing cancer.

Pictograms:



Precautionary Statements:

Prevention: Wash hands and all exposed skin thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
Do not breathe fume/gas/mist/vapors/spray.
Use only outdoors or in a well ventilated area.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Contaminated work clothing must not be allowed out of the workplace.

Response: 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 advice/attention.
If on skin: Wash with water / soap.
If skin irritation or rash occurs: Get medical advice/attention.
Take off contaminated clothing and wash before reuse.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
If exposed or concerned: Call a poison center/doctor/hospital if you feel unwell.

Storage: Store in a well-ventilated place. Keep container tightly closed.
Protect from sunlight.
Store locked up.

Disposal: Dispose of contents/container to approved waste disposal plant in accordance with federal, state, and local regulations.

Other Hazards: None known.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Percent Weight
Tetrachloroethylene	127-18-4	60-70

SECTION 4 – FIRST AID MEASURES

Eye Contact: Immediately flush eyes with plenty of water, remove contact lenses, and continue to flush for at least 15-20 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissue. Get medical attention if irritation persists.

Skin Contact: Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing. Wash clothing and shoes before reuse. Get medical attention if irritation persists.

Inhalation: Remove from exposure. If not breathing, give artificial respiration. If breathing is difficult, get medical attention.

Ingestion: Get medical attention immediately. Do not induce vomiting. If victim is conscious and alert, give large amounts of water. Discontinue water if victim feels like they may vomit. Never give anything by mouth to an unconscious person.

Most Important Symptoms and Effects:

Acute: Severe eye irritation. Skin irritation.

Delayed: Prolonged or excessive contact with skin could cause damage or dermatitis.

Indication of Any Immediate Medical Attention and Special Treatment Needed: None known.

SECTION 5 – FIREFIGHTING MEASURES

Extinguishing Media: Use media appropriate to the surrounding fire.

Specific Hazards Arising From the Substance or Product: Aerosol containers may rupture or explode if exposed to temperatures above 130°F.

Hazardous Combustion Products: Oxides of carbon, hydrogen chloride gas, smoke, and fumes.

Protective Equipment and Precautions for Firefighters: Wear a self-contained breathing apparatus in pressure- demand mode, and full protective gear.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: Avoid contact with skin and eyes. Wear protective clothing, see Section 8.

Environmental Precautions: Keep out of sewers, drains, and bodies of water. Spills should be diked and absorbed.

Methods and Materials for Containment and Cleaning Up: Absorb in vermiculite, dry sand, or earth, and place in containers. Collect and reclaim or dispose of in sealed containers in a licensed waste facility. Liquid material may be removed with vacuum collection. Containers with spillage must be properly labeled with correct contents and hazard symbol.

SECTION 7 – HANDLING AND STORAGE

Precautions for Safe Handling: Avoid spilling, skin, and eye contact. Wash thoroughly after handling. Use only with adequate ventilation. For industrial or professional use only. Do not cut or weld empty container. **KEEP OUT OF REACH OF CHILDREN.**

Conditions for Safe Storage: Store in a cool dry place.

Incompatibilities: Strong bases, oxidizing agents.

SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits and Recommendations:

Chemical Name	OSHA PEL	ACGIH TLV	Other Exposure Limits
Tetrachloroethylene	100 ppm	25 ppm	

Engineering Controls: Normal ventilation.

Personal Protection Measures:

Respiratory Protection: If needed, use NIOSH approved mask and filter for organic vapor.

Skin and Body: Chemical resistant gloves recommended. Chemical resistant apron, as needed.

Eye Protection: Safety glasses/goggles recommended.

Other Recommendations: None.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor:	Clear amber liquid with cherry odor.
Odor Threshold:	Not determined.
pH:	Not applicable.
Freezing Point:	Not determined.
Boiling Point:	185 -200°F
Flash Point:	Not flammable by flame extension.
Evaporation Rate (BUAC=1):	Slower.
Flammability:	Not flammable.
Flammability or Explosion Limits:	Upper: Not applicable. Lower: Not applicable.
Vapor Pressure:	Not determined.
Specific Gravity:	1.450
Solubility in Water:	Negligible.
Solubility in Other Solvents:	Not determined.
Partition Coefficient (n-octanol/water):	Not determined.
Auto-ignition Temperature:	Not determined.
Decomposition Temperature:	Not determined.
Viscosity:	Not determined.
Other Information:	Not determined.

SECTION 10 – STABILITY AND REACTIVITY

Reactivity:	No dangerous reaction known under conditions of normal use.
Chemical Stability:	Stable under normal temperature conditions and recommended use.
Possible Hazardous Reactions:	Not available.
Conditions to Avoid:	Contact with incompatible materials.

Incompatible Materials: Strong oxidizing agents, and bases.
Hazardous Decomposition Products: Oxides of carbon, hydrogen chloride gas, smoke, and fumes.

SECTION 11 – TOXICOLOGICAL INFORMATION

Routes of Exposure:

Inhalation	Ingestion	Skin	Eye
		X	X

Physical, Chemical and Toxicological Effects:

Symptoms: Severe irritation eyes. Skin irritation.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure:

Sensitization: May cause skin sensitization.

Germ Cell Mutagenicity: Negative.

Carcinogenicity: Tetrachloroethylene:
IARC: Group 2A probable
NTP: Reasonably anticipated
OSHA: Not listed

Reproductive Toxicity: Not classified.

Specific Target Organ Toxicity: Eyes

Numerical Measures of Toxicity:

Product: Not determined.

Component:

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Tetrachloroethylene	3,385 mg/kg (rat)	No data available	No data available

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: Tetrachloroethylene
Fish LC50: 5 mg/l - 96hrs (rainbow trout)
Invertebrate LC50: 7.5 mg/l - 48hrs (daphnia magna)

Persistence and Degradability: Not readily biodegradable.

Bioaccumulation: Not expect to be a bioaccumulator.

Mobility: Not expected to have mobility.

Other Adverse Effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Treatment Methods:**Disposal of Wastes:**

Dispose of product in accordance with local, state, and federal regulations.

Contaminated Packaging:

Empty containers should be taken to an approved waste handling site for recycling or disposal.

Other Information:

None.

SECTION 14 – TRANSPORTATION INFORMATION

USDOT:

UN Number:

Proper Shipping Name: Limited Quantity

Hazard Class:

Packing Group:

International:

UN Number: 1950

Proper Shipping Name: Aerosols

Hazard Class: 2.2

(No Packing Group)

SECTION 15 – REGULATORY INFORMATION

US Federal Regulations:

TSCA: All ingredients of this product are listed in the TSCA inventory.

SARA 313: This product contains the following chemical or chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and Title 40 CFR 372.

Chemical Name	CAS Number	Percent Weight
Tetrachloroethylene	127-18-4	60-70

US State Regulations:

California: This product contains the following chemical or chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm: Tetrachloroethylene.

SECTION 16 – OTHER INFORMATION

Issue Date: November 8, 2007

Revision Date: May 18, 2020

Health	Flammability	Reactivity	Personal Protection
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