



AIR FILTER CLEANER

Released: 2015-07-17

Version: 1.1
Revision Date: 2015-07-17

1. IDENTIFICATION OF THE SUBSTANCE / APPLICATION AND THE COMPANY

Supplier: Maxima Racing Oils
9266 Abraham Way
Santee, CA 92071
USA
+1 619 449 5000

Product Name: Air Filter Cleaner
Article Number: 79920

Applications: Air Filter Cleaner (Aerosol)

Emergency Telephone: CHEMTREC +1 703 527 3887 (24 hours)

2. HAZARDS IDENTIFICATION

GHS Classification

Aerosols: Category 1
Gases Under Pressure: Compressed Gas
Carcinogen: Category 2

GHS Pictogram



Signal Word Hazard Statements

Danger!
H222 Extremely flammable aerosol.
H280 Contains gas under pressure; may explode if heated.
H351 Suspected of causing cancer.

Precautionary Statements

Prevention P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat, sparks, open flames or hot surfaces. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Pressurized container: Do not pierce or burn, even after use.
P280 Wear protective gloves.

Response P308 + P313 IF exposed or concerned: Get medical attention.

Storage P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place.
P405 Store locked up.

Disposal P501 Dispose of contents and container in accordance with local and national regulations.

Other Hazards None



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3. COMPOSITION / INFORMATION ON INGREDIENTS

Components	Content %	CAS Number
Propane /Isobutane Propellant	30-50	74-98-6 75-28-5
Aliphatic Distillates	5-15	64742-94-5
2-Butoxyethanol	1-5	111-76-2
Naphthalene	0.1-1	91-20-3

The specific identity and/or exact percentage has been withheld as a trade secret.

4. FIRST-AID MEASURES

Inhalation	Immediately remove to fresh air. If breathing is difficult or irritation develops, get medical attention.
Skin Contact	Remove contaminated clothing. Wash skin thoroughly with soap and water. If irritation develops, get medical attention. Launder clothing before re-use.
Eye Contact	Flush eyes with large quantities of water, holding the eyelids apart. Get medical attention if irritation develops or persists.
Ingestion	Unlikely route of exposure with an aerosol container. If conscious, rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious or convulsing person.
Most Important Symptoms	May cause mild eye irritation. Prolonged skin contact may cause irritation and drying of the skin. Inhalation of vapors or mist may cause respiratory irritation and central nervous system effects such as headache, dizziness, drowsiness, nausea and unconsciousness.
Indication of Immediate Medical Attention Needed	No immediate medical attention is required.
Notes to Physician	Treat appropriately.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Use water fog, foam, dry chemical or carbon dioxide to extinguish.
Specific Hazards Arising From The Chemical	Contents under pressure. Keep away from heat and open flames. Container may rupture or explode in the heat of a fire. Prolonged exposure to temperatures above 120°F may cause cans to burst. Combustion may produce carbon and sulfur oxides.



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Firefighters should wear full emergency equipment and a NIOSH approved positive pressure self-contained breathing apparatus. Cool exposed intact containers with water. Protect against bursting cans.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Evacuate spill area and keep unprotected personnel away. Remove all sources of ignition. Ventilate area. Wear appropriate protective clothing. See also: "Personal Protection "Section 8.
Environmental Hazards	Avoid release into the environment. Report spill as required by local and federal regulations.
Methods/Materials for Cleaning up	Collect liquid with an absorbent material and place in a container suitable for flammable waste. Ensure collected material is handled in accordance with section 13 "Disposal Considerations".

7. HANDLING AND STORAGE

Precautions for Safe Handling	Avoid contact with the eyes, skin and clothing. Do not breathe vapors or mists. Wear protective clothing and equipment. Use only with adequate ventilation. Wash thoroughly with soap and water after handling. Keep away from heat sources. Contents under pressure. Do not smoke during use. Do not expose to temperatures above 120°F. Do not puncture or incinerate containers.
Conditions for Safe Storage	Store in a cool, well-ventilated area at temperatures below 120°F. Do not store in direct sunlight. Protect from physical damage.
Aerosol Fire Protection Level	Level 2 Aerosol (NFPA 30B)

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits	Propane /Isobutane Propellant	1000 ppm TWA OSHA PEL (as propane) 1000 STEL ACGIH TLV (as butane)
	Aliphatic Distillates	5 mg/m ³ TWA OSHA PEL (as oil mist) 5 mg/m ³ TWA ACGIH TLV (as mineral oil)
	2-Butoxyethanol	50 ppm, skin OSHA PEL 20 ppm TWA ACGIH TLV
	Naphthalene	10 ppm TWA OSHA PEL 10 ppm TWA ACGIH TLV



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**Appropriate
Engineering Controls**

General ventilation should be adequate for normal use. If vapor concentrations are excessive, use with adequate local exhaust ventilation to maintain exposures below the occupational exposure limits.

**Personal Protection
Respiratory Protection**

If the exposure limits are exceeded, a NIOSH approved organic vapor respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice.

Eye Protection

Wear chemical safety glasses or goggles to prevent eye contact.

Skin/Body Protection

Protective clothing if needed to avoid prolonged skin contact and contamination of personal clothing. Suitable washing should be available in the work area. Contaminated clothing should be removed and laundered before re-use.

Hand Protection

Wear impervious gloves to avoid prolonged skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid in an aerosol container
Color	Light green liquid
Odor	Petroleum odor
Odor Threshold	No data available
pH	8.5
Freezing Point	No data available
Boiling Point	210°F (98.8°C)
Flash Point	>150°F (65.5°C)
Evaporation Rate	<1
Flammability (solid, gas)	Flammable aerosol
Upper Explosion Limit	9.5% (propellant)
Lower Explosion Limit	1.8% (propellant)
Vapor Pressure	70 psi @ 70°F (propellant)
Vapor Density (Air=1)	No data available
Relative Density	1.0 @ 60°F (15.5°C)
Solubility	Soluble in hydrocarbons; soluble in water
Partition Coefficient: n-octanol/water	No data available
Auto Ignition Temperature	No data available
Decomposition Temperature	No data available
Volatile Organic Compounds (VOC)	No data available
Viscosity	No data available



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10. STABILITY AND REACTIVITY

Reactivity	Not expected to be reactive.
Chemical Stability	Stable.
Possibility of Hazardous Reactions	None known.
Conditions to Avoid	Keep away from heat, sparks, flames and all other sources of ignition. Dropping containers may cause bursting.
Incompatible Materials	Avoid contact with strong oxidizing agents.
Hazardous Decomposition Product	Thermal decomposition may produce carbon and sulfur oxides.

11. TOXICOLOGICAL INFORMATION

Potential Health Hazards

Eye Contact: May cause mild irritation with redness and tearing.

Skin Contact: Prolonged skin contact may cause mild irritation and drying of the skin.

Inhalation: Inhalation of vapors may cause mucous membrane and respiratory irritation and central nervous system depression with symptoms of headache, dizziness, giddiness, intoxication, nausea, vomiting, disorientation, stupor and unconscious.

Ingestion: Ingestion may cause mucous membrane and gastrointestinal irritation and nervous system depression with symptoms of headache, dizziness, nausea, narcosis and unconsciousness. Aspiration into the lungs during ingestion or vomiting may cause serious lung damage which may be fatal.

Chronic Effects of Overexposure: None known.

Sensitization: None of the components have been found to cause sensitization in animals or humans.

Mutagenicity: This product is not expected to cause mutagenic activity.

Reproductive Toxicity: None of the components have been shown to cause reproductive or developmental effects.

Carcinogenicity: Naphthalene is classified by IARC as "Possibly Carcinogenic to Humans", Group 2B and by NTP as "Reasonably Anticipated to be a Human Carcinogen". None of the other components of this product are listed as a carcinogen or suspected carcinogen by IARC, NTP, or OSHA.

Acute Toxicity:

Propane/Isobutane Propellant	Inhalation mouse LC50 520,400 ppm/2 hr
Aliphatic Distillates:	Oral rat LD50: 5210 mg/kg, inhalation rat LC50 > 4.778 mg/L, dermal rabbit LD50 > 2000 mg/kg
2-Butoxyethanol:	Oral guinea pig LD50 >1414 mg/kg, inhalation rat LC50 > 3.91 mg/L/4 hr, dermal rabbit LD50 > 2000 mg/kg
Naphthalene:	Oral mouse LD50 710 mg/kg, Inhalation rat LC50 >0.4 mg/L (highest attainable concentration), Dermal rat LD50 >2500 mg/kg



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12. ECOLOGICAL INFORMATION

Ecotoxicity

Propane/Isobutane Propellant 96 hr LC50 fish 27.98 mg/L, 48 hr EC50 daphnid 14.22 mg/L, 96 hr EC50 Green algae 7.71

Aliphatic Distillates: 96 hr LL50 Oncorhynchus mykiss 2-5 mg/L, 48 hr EL50 daphnia magna 1.4 mg/L, 72 hr EL50 Pseudokirchnerella subcapitata 1-3 mg/L

2-Butoxyethanol: 96 hr LC50 Oncorhynchus mykiss 1474 mg/L, 48 hr EC50 daphnia magna 1550 mg/L, 72 hr EC50 Pseudokirchnerella subcapitata 911 mg/L

Naphthalene: 96 hr LC50 Pimephales promelas 7.9 mg/L, 48 hr EC50 daphnia magna 2.16 mg/L

Biodegradation 2-Butoxyethanol and naphthalene are readily biodegradable. Aliphatic distillates is inherently biodegradable.

Bioaccumulation 2-Butoxyethanol has a BCF of 3 which suggests a low potential to bioaccumulate in aquatic organisms. Aliphatic has the potential to bioaccumulate in aquatic organisms.

Mobility in soil 2-Butoxyethanol is highly mobile in soil.

Other adverse effects None known.

13. DISPOSAL CONSIDERATIONS

Disposal Dispose in accordance with all local, state and federal regulations. Do not puncture or incinerate containers.

14. TRANSPORT INFORMATION

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
DOT	UN1950	Aerosols	2.1		
TDG	UN1950	Aerosols	2.1		
IMDG	UN1950	Aerosols	2.1		
IATA	UN1950	Aerosols	2.1		

Note: This product can be shipped as a limited quantity if the packaging complies.

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form

Special precautions: None known.



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15. REGULATORY INFORMATION

CERCLA: This product has a Reportable Quantity (RQ) of 10,000 lbs. (based on the RQ for Naphthalene of 100 lbs). Releases above the RQ must be reported to the National Response Center. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations

EPA SARA 302: This product does not contain chemicals regulated under SARA Section 302.

EPA SARA 311 Hazard Classification: Chronic Health, Fire Hazard, Sudden Release of Pressure.

EPA SARA 313: This product contains the following chemicals that are regulated under SARA Title III, section 313:

Glycol Ethers (2-Butoxyethanol)	111-76-2	1-5%
Naphthalene	91-20-3	0.1-1%

California Proposition 65: This product contains the following chemicals known to the State of California to cause cancer and reproductive toxicity:

Naphthalene	91-20-3	0-1-1%	Cancer
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Chemical Inventories

Toxic Substances Control Act: All of the components of this product are listed on the TSCA inventory

16. OTHER INFORMATION

NFPA Rating (NFPA 704):	Health: 1	Fire: 3	Instability: 0
HMIS Rating:	Health: 1*	Fire: 4	Physical Hazard: 0
*Chronic Health Hazard			

Date of Revision: July 17, 2015

Date of Previous Revision: August 2014

Revision History:

7/17/15: Converted to GHS format. All section revised

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.