BIKE Chain Pro

Version: 1.2
Released: 2015-07-06 Revision Date: 2024-09-17

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: Bike Chain Pro
Article Number: 95-03904

Applications: Lubricant/Protectant

Emergency Telephone: In USA: CHEMTREC +1 703 527 3887 (24 hours)
Outside USA: +1 619 449 5000

2. HAZARDS IDENTIFICATION

GHS Classification

Flammable Liquid	Category 2
Aspiration Toxicity	Category 1
Skin Irritation	Category 2
Specific Target Organ Toxicity – Single Exposure	Category 3
Toxic to Reproduction	Category 2

GHS Pictogram

Signal Word **Danger!**

Hazard Statements
H225 Highly flammable liquid and vapor.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.
H361 Suspected of damaging fertility or the unborn child.

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, and hot surfaces. No smoking.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment
P241 Use explosion-proof electrical, ventilating and lighting equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing dust, fume, gas, mist, vapors or spray.
P264 Wash thoroughly after handling
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves.

Response
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P331 Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

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	P332 + P313 If skin irritation occurs: Get medical attention. P362 + P364 Take off contaminated clothing and wash it before reuse. P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P308 + P313 IF exposed or concerned: Get medical attention. P370 + P378 In case of fire: Use carbon dioxide, foam or dry chemical to extinguish.
Storage	P403 + P235 Store in a well-ventilated place. Keep cool. Keep container tightly closed. P405 Store locked up.
Disposal	P501 Dispose of contents and container in accordance with local and national regulations.
Other Hazards	None

3. COMPOSITION / INFORMATION ON INGREDIENTS

Components	Content %	CAS Number
Petroleum Distillates		64742-89-8
	30-70	64741-88-4
		64742-54-7
Heptane	10-30	142-82-5
Polytetrafluoroethylene	1-10	9002-84-0

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 have qualified personnel administer oxygen. If breathing has stopped, administer artificial respiration. Get medical attention.
Skin Contact	Remove contaminated clothing. Wash skin thoroughly with soap and water. If irritation develop, 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	Aspiration Hazard. Do not induce vomiting. If conscious, rinse mouth with water. Never give anything by mouth to an unconscious or convulsing person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration into the lungs. Get immediate medical attention.
Most Important Symptoms	May cause eye irritation. Causes skin irritation. Inhalation of vapors or mist may cause respiratory irritation and central nervous system effects such as headache, dizziness, drowsiness, nausea and unconsciousness. Aspiration hazard: Harmful or fatal if swallowed.
Indication of Immediate Medical Attention Needed	Get immediate medical attention if swallowed.

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Notes to Physician	Treat appropriately

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Use carbon dioxide, alcohol foam or dry chemical. Water may be ineffective but can be used to cool exposed containers and structures and disperse flammable vapors.
Specific Hazards Arising From The Chemical	This product is highly flammable and forms explosive mixtures with air. Vapors are heavier than air and will travel along surfaces to remote ignition sources and flash back. Closed containers may explode if exposed to extreme heat. Combustion may produce carbon oxides, perfluoroisobutylene, hexafluoropropylene, carbonyl fluoride, tetrafluoroethylene, and aliphatic hydrocarbons.
Special Protective Equipment And Precautions For Fire-Fighters	Firefighters should wear full emergency equipment and a NIOSH approved positive pressure self-contained breathing apparatus. Cool exposed intact containers with water

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Evacuate spill area and keep unprotected personnel away. Remove all sources of ignition. Ventilate area with explosion proof equipment. 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	Contain and collect using inert absorbent materials and place in appropriate containers for disposal. Use non-sparking tools and equipment. If spill has not ignited, use water spray to disperse the vapors and protect personnel attempting to stop leak. 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 containers closed when not in use. Keep away from heat, sparks, flames and all other sources of ignition. Do not permit smoking in use or storage areas.
Conditions for Safe Storage	Store in a cool, dry, well-ventilated area away from heat, direct sunlight and all sources of ignition. Store in accordance with regulations for the storage of flammable liquids. Store away from oxidizers and other incompatible materials. Protect from physical damage.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits	Petroleum Distillates	5 mg/m3 TWA OSHA PEL (as oil mist) 5 mg/m3 TWA ACGIH TLV (inhalable) (as mineral oil)
	Heptane	500 ppm TWA OSHA PEL 400 ppm TWA, 500 ppm STEL ACGIH TLV
	Polytetrafluoroethylene	None Established

Appropriate Engineering Controls Use with adequate local exhaust ventilation to maintain exposures below the occupational exposure limits. Use explosion proof equipment where required.

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: Chemical safety goggles should be worn where contact is possible.

Skin/Body Protection: Impervious coveralls, apron and boots is required to prevent skin contact and contamination of personal clothing. A safety shower and eye wash should be available in the immediate work area.

Hand Protection: Wear impervious gloves such as nitrile or Viton to prevent skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Color	Clear
Odor	Slight coconut odor
Odor Threshold	No data available
pH	No data available
Freezing Point	No data available
Boiling Point	208.4°F (98°C)
Flash Point	80°F (27°C)
Evaporation Rate	No data available
Flammability (solid, gas)	Not applicable
Upper Explosion Limit	6.7% (heptane)
Lower Explosion Limit	1.05% (t heptane)
Vapor Pressure	No data available
Vapor Density (Air=1)	3.5
Relative Density	0.77 @15.6°C

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Solubility	Soluble in hydrocarbons; insoluble 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	< 20.5 cSt @ 40°C

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.
Incompatible Materials	Avoid contact with strong oxidizing agents.
Hazardous Decomposition Product	Thermal decomposition may produce carbon oxides, perfluoroisobutylene, hexafluoropropylene, carbonyl fluoride, tetrafluoroethylene, and aliphatic hydrocarbons.

11. TOXICOLOGICAL INFORMATION

Potential Health Hazards
Eye Contact: May cause irritation with redness and tearing.
Skin Contact: Causes irritation with redness and drying of the skin. Prolonged contact may cause defatting of the skin and dermatitis.
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. Inhalation of thermal decomposition of polytetrafluoroethylene may cause polymer fume fever with symptoms of tightness in the chest, fever, cough, shortness of breath and weakness. Severe exposures may cause pulmonary edema.
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 Prolonged occupational overexposure may cause dermatitis and damage to the central and peripheral nervous systems. Reports have associated repeated and prolonged overexposure to petroleum distillates with adverse liver, kidney and bone marrow effects and with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the product may be harmful or fatal.

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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 toxicity.
Carcinogenicity: None of the components of this product are listed as a carcinogen or suspected carcinogen by IARC, NTP, or OSHA.

Acute Toxicity:

Petroleum Distillates	Oral rat LD50 >5000 mg/kg, Inhalation rat LC50 2.18 mg/L, Dermal rabbit LD50 >2000 mg/kg
Heptane	Oral rat LD50 >5000 mg/kg, Inhalation rat LC50 >29.29 mg/L/4 hr, Dermal rabbit LD50 >2000 mg/kg.
Polytetrafluoroethylene	Oral rat LD50 >11,280 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity

Petroleum Distillates	96 hr LL50 Pimephales promelas >100 mg/L, 48 hr EL50 >10000 mg/L
Heptane	96 hr LL50 Oncorhynchus mykiss 5.29 mg/L, 48 hr EC50 daphnia magna 1.5 mg/L, 72 hr EC50 Pseudokirchnerella subcapitata 4.338 mg/L
Polytetrafluoroethylene	No data available

Biodegradation	Heptane is readily biodegradable. Petroleum distillates are inherently biodegradable.
Bioaccumulation	Heptane has BCF less than 3. This suggests the bioconcentration in aquatic organisms is expected to be low.
Mobility in soil	Heptane is moderately mobile in soil.
Other adverse effects:	None known.

13. DISPOSAL CONSIDERATIONS

Disposal Dispose in accordance with all local, state and federal regulations.

14. TRANSPORT INFORMATION

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
DOT	UN1268	Petroleum distillates, n.o.s.	3	PGII	

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TDG	UN1268	Petroleum distillates, n.o.s.	3	PGII	
IMDG	UN1268	Petroleum distillates, n.o.s.	3	PGII	
IATA	UN1268	Petroleum distillates, n.o.s.	3	PGII	

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.

15. REGULATORY INFORMATION

CERCLA: This product is not subject to CERCLA reporting requirements, however, oil spills are reportable to the National Response Center under the Clean Water Act and 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: Acute Health, Chronic Health, Fire Hazard
EPA SARA 313: This product contains the following chemicals that are regulated under SARA Title III, section 313: None

California Proposition 65: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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: 2	Fire: 3	Instability: 0
HMIS Rating:	Health: 2*	Fire: 3	Physical Hazard: 0

*Chronic Health Hazard

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Date of Revision: September 17, 2024
Date of Previous Revision: April 9, 2024
Revision History:
7/7/15: Converted to GHS format. All section revised
11/2/17: Updated emergency telephone #
4/9/2024: Document reviewed
9/17/24: Updated section 9 with more lab data, and reviewed all sections to ensure they are up to date

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.