

BIKE CHAIN WAX

Released: 2016-05-03

Version: 1.2
Revision Date: 2017-11-02

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 Wax
Article Number: 95-02904

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 Hazard	Category 1
Skin Irritant	Category 2
Skin Sensitizer	Category 1A
Specific Target Organ Toxicity – Single Exposure	Category 3

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.
H317 May cause an allergic skin reaction.
H336 May cause drowsiness or dizziness.

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.



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	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.
	P272 Contaminated work clothing should not be allowed out of the workplace.
	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.
	P333 + P313 If skin irritation or rash 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	P405 Store locked up.
Disposal	Dispose of contents and container in accordance with local, regional and national regulations.
Other Hazards	None

3. COMPOSITION / INFORMATION ON INGREDIENTS

Components	Content %	CAS Number
Heptane	60-80	142-82-5
Stoddard Solvent	5-10	8052-41-3
Cinnamal	<0.5	104-55-2
Benzyl benzoate	<0.5	120-51-4

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 or rash develops, get medical attention. Launder clothing before re-use.



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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. May cause an allergic skin reaction. 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. Suspected of causing reproductive or developmental effects based on animal data.
Indication of Immediate Medical Attention Needed	Immediate medical attention is required for ingestion.
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. 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.
Special Protective Equipment And Precautions For Fire-Fighters	Firefighters should wear full emergency equipment and an approved positive pressure self-contained breathing apparatus. Cool exposed intact containers with water.



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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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	Exposure Limits
Heptane	400 ppm TWA, 500 ppm STEL ACGIH TLV 500 ppm TWA OSHA PEL
Stoddard Solvent	100 ppm TWA ACGIH TLV 500 ppm TWA OSHA PEL
Cinnamal	None Established
Benzyl benzoate	None Established



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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, an 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 local regulations and good industrial hygiene practice.
Eye Protection	Wear chemical safety glasses or goggles to prevent eye contact.
Skin/Body Protection	Wear protective clothing if needed to avoid 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
Color	Clear
Odor	Characteristic odor
Odor Threshold	No data available
pH	No data available
Freezing Point	No data available
Boiling Point	98.2 - 98.4 °C (208.76 – 209.12) (Heptane)
Flash Point	-4 °C (24.8 °F) (Heptane)
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	6.09 kPa @ 25°C (77°F) (Heptane)
Vapor Density (Air=1)	No data available
Relative Density	0.69 @ 15°C (59°F) (Heptane)
Solubility	In water: 2.4 mg/L @ 25°C (77°F) (Heptane)
Partition Coefficient: n-octanol/water	No data available
Auto Ignition Temperature	204°C (399.2°F) (Heptane)
Decomposition Temperature	No data available
Volatile Organic Compounds (VOC)	No data available
Viscosity	0.641 mm ² /s @ 20° (68°F)



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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.
Incompatible Materials	Avoid contact with strong oxidizing agents, halogens, peroxides and strong reducing agents.
Hazardous Decomposition Product	Thermal decomposition may produce carbon oxides.

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. May cause an allergic skin reaction.

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. 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: None known.

Sensitization: This product is classified as a skin sensitizer. Cinnamal is classified as skin sensitizer.

Mutagenicity: No data available for mixture. Components are not germ cell mutagens.

Reproductive Toxicity: None known

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

Acute Toxicity:

Heptane: Oral rat LD50 >5000 mg/kg, Inhalation rat LC50 >29.29 mg/L/4 hr, Dermal rabbit LD50 >2000 mg/kg.

Stoddard Solvent: Oral rat LD50 > 5000 mg/kg, inhalation rat LC50 > 5.5 mg/L/4 hr

Cinnamal: Oral guinea pig LD50: 3400 mg/kg, inhalation rat LD50: 68.88 mg/L/4 hr, dermal rat LD50 > 2000 mg/kg.



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Benzyl benzoate: Oral rat LD50 > 2000 mg/kg, dermal rabbit LD50 > 2000 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity

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, 21 days NOEC *daphnia magna*: 0.17 mg/L
 Cinnamal: 96 hr LC50 *Poecilia reticulata* > 3.5 mg/L
 Benzyl benzoate: 96 hr LC50 *Danio rerio*: 2.3 mg/L

This product is very toxic to aquatic life with long lasting effects. Releases to the environment should be avoided.

Biodegradation Heptane: readily biodegradable. Cinnamal: Readily biodegradable – 100% in 28 days. Benzyl benzoate: Readily biodegradable 94% in 28 days.
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 national regulations.

14. TRANSPORT INFORMATION

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
DOT	UN1268	Petroleum distillates, n.o.s.	3	PGII	
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 does not contain any components with a CERCLA RQ.

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



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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			

Date of Revision: November 2, 2017

Date of Previous Revision: May 2016

Revision History:

5/03/2016: Converted to GHS format. All section revised

11/2/17: Updated emergency telephone #

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.