



SAFETY DATA SHEET

Section 1 - Identification

Product identifier	Husqvarna X-Guard Bio Chain Oil
Other means of identification	
Product code	596 45 73-05 (200L), 596 45 73-04 (20L), 596 45 73-03 (10L), 596 45 73-02 (5L), 596 45 73-01 (1L), 537 65 76-02 (0.25L), 537 65 76-01 (0.05L)
Recommended use of the chemical and restrictions on use	
Recommended use	Lubrication of saw chains.
Restrictions on use	Uses other than the recommended use.
Details of manufacturer or importer	
Supplier	Husqvarna Australia Pty Ltd
Address	4 Pioneer Avenue, Tuggerah NSW 2252
Country	Australia
Telephone	+61 2 4352 7400
Contact person	Jason Bezzina
E-mail	jason.bezzina@husqvarnagroup.com
Emergency	Contact Poisons Information Centre; phone 13 12 26

Section 2 - Hazard(s) identification

Classification of the hazardous chemical	
Physical hazards	Not classified.
Health hazards	Not classified.
Label elements, including precautionary statements	
Hazard symbol(s)	None.
Signal word	None.
Hazard statement(s)	The mixture does not meet the criteria for classification.
Precautionary statement(s)	
Prevention	Not assigned.
Response	Not assigned.
Storage	Not assigned.
Disposal	Not assigned.
Supplemental information	Safety data sheet available on request.
Other hazards which do not result in classification	None known.

Section 3 - Composition and information on ingredients

Mixture		
Identity of chemical ingredients	CAS number and other unique identifiers	Concentration of ingredients
Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	=< 1
Distillates (petroleum), solvent-dewaxed light paraffinic	64742-56-9	=< 1

Composition comments All concentrations are in percent by weight.

Section 4 - First aid measures

Description of necessary first aid measures	
Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye contact	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Personal protection for first-aid responders	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
Symptoms caused by exposure	Direct contact with eyes may cause temporary irritation.
Medical attention and special treatment	Treat symptomatically.

Section 5 - Firefighting measures

Extinguishing media

Suitable extinguishing equipment	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing equipment	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Hazchem code	None.
General fire hazards	No unusual fire or explosion hazards noted.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.

Section 6 - Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Wear appropriate personal protective equipment.
For emergency responders	Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.
Methods and materials for containment and cleaning up	The product is immiscible with water and will spread on the water surface. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small Spills: Absorb spillage with suitable absorbent material. Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. The product is insoluble in water.

Section 7 - Handling and storage

Precautions for safe handling	Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store in tightly closed container. Store away from incompatible materials (see section 10 of the SDS).

Section 8 - Exposure controls and personal protection

Control parameters	Follow standard monitoring procedures.
---------------------------	--

Occupational exposure limits

Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A)

Product	Type	Value
Oil mist, mineral	TWA	5 mg/m3

US. ACGIH Threshold Limit Values (TLV)

Product	Type	Value	Form
Oil mist, mineral	TWA	5 mg/m3	Inhalable fraction.

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG), as updated

Product	Type	Value	Form
Oil mist, mineral	TWA	5 mg/m3	Respirable fraction.
Biological limit values	No biological exposure limits noted for the ingredient(s).		
Control banding	Not established.		
Engineering controls	Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.		
Individual protection measures, such as personal protective equipment (PPE)			
Eye/face protection	Wear safety glasses with side shields (or goggles).		
Skin protection			
Hand protection	Wear appropriate chemical resistant gloves. Glove material: Nitrile rubber. Use gloves with breakthrough time of 480 minutes. Minimum glove thickness ≥0.38 mm. Glove material: Butyl rubber. Use gloves with breakthrough time of 480 minutes. Minimum glove thickness ≥0.64 mm.		
Other	Wear suitable protective clothing.		
Respiratory protection	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.		
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.		
Hygiene measures	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.		

Section 9 - Physical and chemical properties

Physical state	Liquid.
Form	Liquid.
Colour	Not available.
Odour	Not available.
Odour threshold	Not available.
pH	Material is non soluble in water.
Melting point/freezing point	Not determined
Boiling point and boiling range	Not determined
Flash point	Not determined
Evaporation rate	Not determined
Upper/lower explosive limits	
Explosion limit - lower (%)	Not determined
Explosion limit - upper (%)	Not determined
Vapour pressure	Not determined
Vapour density	Not determined
Relative density	Not determined
Solubility	
Solubility (water)	Insoluble in water.
Flammability (solid, gas)	Not applicable.
Partition coefficient: n-octanol/water	Not applicable, product is a mixture.
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
Viscosity	Not determined
Particle characteristics	Not applicable, material is a liquid.

Data relevant with regard to physical hazard classes No relevant additional information available.

Other physical and chemical parameters

Density 0.917 g/cm³ (20 °C (68 °F))

Section 10 - Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous reactions No dangerous reaction known under conditions of normal use.

Conditions to avoid Contact with incompatible materials.

Incompatible materials Strong oxidising agents.

Hazardous decomposition products No hazardous decomposition products are known.

Section 11 - Toxicological information

Information on possible routes of exposure

Inhalation Prolonged inhalation may be harmful.

Skin contact Prolonged skin contact may cause temporary irritation.

Eye contact Direct contact with eyes may cause temporary irritation.

Ingestion Expected to be a low ingestion hazard.

Early onset symptoms related to exposure Direct contact with eyes may cause temporary irritation.

Delayed health effects from exposure Prolonged exposure may cause chronic effects.

Acute toxicity

Components	Species	Test Results
Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	> 5000 mg/kg, 24 Hours
Inhalation		
<i>Aerosol</i>		
LC50	Rat	> 5.53 mg/l, 4 Hours
Oral		
LD50	Rat	> 5000 mg/kg
Distillates (petroleum), solvent-dewaxed light paraffinic (CAS 64742-56-9)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	> 5000 mg/kg, 24 Hours
Inhalation		
<i>Aerosol</i>		
LC50	Rat	> 5 mg/l, 4 Hours
Oral		
LD50	Rat	> 5000 mg/kg
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.	
Serious eye damage/irritation	Direct contact with eyes may cause temporary irritation.	
Respiratory or skin sensitisation		
Respiratory sensitisation	Not a respiratory sensitiser.	
Skin sensitisation	This product is not expected to cause skin sensitisation.	
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	

Carcinogenicity	Not classifiable as to carcinogenicity to humans.
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not an aspiration hazard.
Other information	No data available.

Section 12 - Ecological information

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	No data available.
Mobility in soil	The product is immiscible with water and will spread on the water surface.
Other adverse effects	No data available.

Section 13 - Disposal considerations

Disposal methods	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
Residual waste	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14 - Transport information

ADG	Not regulated as dangerous goods.
RID	Not regulated as dangerous goods.
IATA	Not regulated as dangerous goods.
IMDG	Not regulated as dangerous goods.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not established.

Section 15 - Regulatory information

Safety, health and environmental regulations

National regulations	This Safety Data Sheet was prepared in accordance with Australia Model Code of Practice for the preparation of Safety Data Sheets for Hazardous Chemicals.
Australia Medicines & Poisons Appendix E	Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8) Distillates (petroleum), solvent-dewaxed light paraffinic (CAS 64742-56-9)
Australia Medicines & Poisons Schedule 5	Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8) Distillates (petroleum), solvent-dewaxed light paraffinic (CAS 64742-56-9)
High Volume Industrial Chemicals (HVIC)	Not listed.
Importation of Ozone Depleting Substances (Customs(Prohibited imports) Regulations 1956, Schedule 10, as amended)	Not listed.
National Pollutant Inventory (NPI) substance reporting list	Not listed.
Prohibited Carcinogenic Substances	Not regulated.

Prohibited Substances (National Model Regulation for the control of Workplace Hazardous Substances, Schedule 2 NOHSC:1005 (1994) as amended)

Not listed.

Restricted Carcinogenic Substances

Not regulated.

Restricted Importation of Organochlorine Chemicals (Customs(Prohibited Imports) Regulations 1956, Schedule 9)

Not listed.

International regulations

Stockholm Convention

Not applicable.

Rotterdam Convention

Not applicable.

Kyoto Protocol

Not applicable.

Montreal Protocol

Not applicable.

Basel Convention

Not applicable.

Section 16 - Any other relevant information

Issue date 07-November-2018

Revision date 12-July-2024

References ECHA: European Chemical Agency.
IARC Monographs. Overall Evaluation of Carcinogenicity

Disclaimer Husqvarna AB cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.