# SAFETY DATA SHEET

## Section 1: Identification

**Product identifier** **Husqvarna 2-Stroke Oil XP**

**Other means of identification**

**Product code** 547 92 98-01 (0.1L), 547 92 98-02 (1L), 547 92 98-03 (4L), 547 92 98-04 (10L), 547 92 98-05 (208L)

**Recommended use of the chemical and restrictions on use**

**Recommended use** Lubrication of 2-stroke engine.

**Restrictions on use** Uses other than the recommended use.

**Details of manufacturer or importer**

**Supplier** Husqvarna New Zealand Ltd

**Address** 51 Aintree Avenue, Mangere, Auckland 2022

**Country** New Zealand

**Telephone** +64 9 920 2410

**Contact person** Mike Roberts

**E-mail** mike.roberts@husqvarnagroup.com

**Emergency** Contact the Poisons Information Centre; phone 0800 764 766

## Section 2: Hazard identification

**Classification of the hazardous chemical**

**Physical hazards** Not classified.

**Health hazards** Not classified.

**Environmental 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.

**Other hazards which do not result in classification** None.

**Supplemental information** None.

## Section 3: Composition/information on ingredients

**Substance or mixture** Mixture

| Chemical property | CAS Number | Concentration (%) |
|---|---|---|
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | - | 5 - 15 |
| Phenol, (dimethylamino)methyl-,polyisobutylene derivs. | - | 10 -12.9 |
| Reaction products of fatty acids, - C14-C18 (branched and linear) and C18 (unsaturated) with tetraethylenepentamine (linear, branched, cyclic) | - | 0 - 2.5 |

**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: Fire-fighting measures

| | |
|---|---|
| **Extinguishing media** | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). |
| **Extinguishing media to avoid** | Do not use water jet as an extinguisher, as this will spread the fire. |
| **HAZCHEM Code Number** | None. |
| **Specific hazards during fire fighting** | During fire, gases hazardous to health may be formed. |
| **Special fire fighting procedures** | Move containers from fire area if you can do so without risk. |
| **Protection of fire-fighters** | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| **Hazards from combustion products** | None. |
| **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** | 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.<br><br>Small Spills: Absorb spillage with suitable absorbent material. Clean surface thoroughly to remove residual contamination.<br><br>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. |

## 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/personal protection

| | |
|---|---|
| **Control parameters** | Follow standard monitoring procedures. |
| **Occupational exposure limits** | No exposure limits noted for ingredient(s). |
| **Biological limit values** | No biological exposure limits noted for the ingredient(s). |
| **Appropriate 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, for example personal protective equipment (PPE)**

| | |
|---|---|
| **Eye/face protection** | Wear safety glasses with side shields (or goggles). |
| **Skin protection** | |
| **Hand protection** | Wear appropriate chemical resistant gloves. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. |
| **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

**Appearance**

| | |
|---|---|
| **Physical state** | Liquid. |
| **Form** | Liquid. |
| **Colour** | Colourless. |
| **Odour** | Not available. |
| **Odour threshold** | Not available. |
| **pH** | Material is non soluble in water. |
| **Melting point/freezing point** | -48 °C (-54.4 °F) |
| **Initial boiling point and boiling range** | Not determined. |
| **Flash point** | Not determined. |
| **Evaporation rate** | Not determined. |
| **Flammability (solid, gas)** | Not applicable. |

**Upper/lower flammability or explosive limits**

| | |
|---|---|
| **Explosive limit - lower ( %)** | Not determined. |
| **Explosive limit – upper (%)** | Not determined. |
| **Vapour pressure** | Not determined. |
| **Vapour density** | Not determined. |
| **Relative density** | Not determined. |

**Solubility(ies)**

| | |
|---|---|
| **Solubility (water)** | Poorly soluble in water. |
| **Partition coefficient (n-octanol/water)** | Not applicable, product is a mixture. |
| **Auto-ignition temperature** | Not determined. |
| **Decomposition temperature** | Not determined. |
| **Kinematic viscosity** | Not available. |

**Other physical and chemical parameters**

| | |
|---|---|
| **Density** | 0.903 kg/l (20 °C (68 °F)) |
| **Viscosity** | 76.2 mm²/s (40 °C (104 °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 likely routes of exposure**

| | |
|---|---|
| **Inhalation** | Not relevant at normal room temperatures. When heated, irritating vapours may be formed. |
| **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. |
| **Symptoms related to the physical, chemical and toxicological characteristics** | Direct contact with eyes may cause temporary irritation. |

**Information on toxicological effects**

**Acute toxicity**

| Components | Species | Test Results |
|---|---|---|
| Reaction products of fatty acids, - C14-C18 (branched and linear) and C18 (unsaturated) with tetraethylenepentamine (linear, branched, cyclic) (CAS -) | | |
| **Acute** | | |
| **Dermal** | | |
| LD50 | Rabbit | > 2000 mg/kg (OECD 402) |
| **Oral** | | |
| LD50 | Rat | > 5000 mg/kg (OECD 401) |

**Skin corrosion/irritation** Prolonged skin contact may cause temporary irritation.

**Serious eye damage/eye irritation** Direct contact with eyes may cause temporary irritation.

**Respiratory irritation** When heated, the vapours/fumes given off may cause respiratory tract 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.

**ACGIH Carcinogens**

Not available.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Not listed.

**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.

**Narcotic effects** Due to lack of data the classification is not possible.

## 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.

| Components | | Species | Test Results |
|---|---|---|---|
| Phenol, (dimethylamino)methyl-,polyisobutylene derivs. (CAS -) | | | |
| **Aquatic** | | | |
| *Acute* | | | |
| Algae | EC50 | Green algae | > 450 mg/l, 96 hours |
| Crustacea | EC50 | Cladoceran dubia | > 100 mg/l, 48 hours |
| Fish | LC50 | Pimephales promelas | 31 mg/l, 96 hours |
| Reaction products of fatty acids, - C14-C18 (branched and linear) and C18 (unsaturated) with tetraethylenepentamine (linear, branched, cyclic) (CAS -) | | | |
| **Aquatic** | | | |
| *Acute* | | | |
| Algae | EC50 | Raphidocelis subcapitata | 44 mg/l, 96 hours (OECD 201) |
| Crustacea | EC50 | Daphnia magna | > 1000 mg/l, 48 hours (OECD 202) |
| Fish | LC50 | Pimephales promelas | > 1000 mg/l, 96 hours (OECD 203) |

**Persistence and degradability** The product is not expected to be readily biodegradable.

**Bioaccumulative potential** No data available.

**Mobility in soil** No data available for this product.

**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. |
| **Special precautions to be taken during disposal** | Dispose in accordance with all applicable regulations. |
| **Method of disposal that should not be used** | None known. |

## Section 14: Transport information

**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

| | |
|---|---|
| **Applicable regulations** | HSNO: Non-hazardous according to the Hazardous Substances and New Organisms Act 1996 (HSNO 1996) |

## Section 16: Other information

| | |
|---|---|
| **References** | IARC Monographs. Overall Evaluation of Carcinogenicity |

**Issued by**

Not available.

**Prepared by**

Not available.

| | |
|---|---|
| **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. |
| **Issue date** | 20-May-2024 |
| **Revision date** | - |