

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: Release

Other identification:

1.2 Relevant identified uses of the substance or mixture and uses advised against

Lubricant

1.3 Details of the supplier of the safety data sheet

SwanTek

Mintsfeet Road South, Kendal, LA9 6ND, UK

Tel: +44 (0)1539 722247 Email: service@swantek.com Web: www.swantek.com

1.4 Emergency telephone number

As per section 1.3

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Physical hazards: Flam. Liq. 3 - H226

Health hazards: Skin Irrit. 2 - H315 Skin Sens. 1 - H317 STOT SE 3 - H336 Asp. Tox. 1 - H304

Environmental hazards: Aquatic Chronic 2 - H411

2.2 Label elements

Hazard pictograms:

CLP 02 Flammable

CLP 07 Exclamation

CLP 08 Health

CLP 09 Environment



Signal word:

Danger

Hazard statements:

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H336 May cause drowsiness or dizziness.

H304 May be fatal if swallowed and enters airways.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements: P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P240 Ground and bond container and receiving equipment.

P241 Use explosion-proof electrical equipment.

P242 Use non-sparking tools.

P243 Take action to prevent static discharges.

P261 Avoid breathing vapour/ spray.

P264 Wash contaminated skin 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.

P273 Avoid release to the environment.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P302+P352 IF ON SKIN: Wash with plenty of water.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTRE/doctor if you feel unwell.

P321 Specific treatment (see medical advice on this label).

P331 Do NOT induce vomiting.

P332+P313 If skin irritation occurs: Get medical advice/ attention.
P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
P391 Collect spillage.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
P501 Dispose of contents/ container in accordance with national regulations.

Other label elements: Contains: Kerosene, Oils, pine

2.3 Other hazards

This product does not contain any substances classified as PBT or vPvB.

Section 3: Composition / information on ingredients

3.1 Substances

3.2 Mixtures

Distillates (petroleum), hydrotreated heavy paraffinic < 3% DMSO: 30-60%

CAS number: 64742-54-7

EC number: 265-157-1

Classification: Not Classified

Kerosene: 30-60%

CAS number: 8008-20-6

EC number: 232-366-4

Classification:

Flam. Liq. 3 - H226

Skin Irrit. 2 - H315

STOT SE 3 - H336

Asp. Tox. 1 - H304

Aquatic Chronic 2 - H411

Oils, pine: 1-5%

CAS number: 8002-09-3

EC number: 692-006-0

Classification

Flam. Liq. 3 - H226 Skin

Irrit. 2 - H315

Skin Sens. 1 - H317

Asp. Tox. 1 - H304

Aquatic Chronic 2 - H411

The full text for all R-Phrases and Hazard Statements are displayed in section 16.

Section 4: First aid measures

4.1 Description of first aid measures

General: Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.
Protection of first aiders: First aid personnel should wear appropriate protective equipment during any rescue.

Inhalation: Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention. Place unconscious person on their side in the recovery position and ensure breathing can take place.

Ingestion: Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink. Stop if the affected person feels sick as vomiting may be dangerous. Never give anything by mouth to an unconscious person. Place unconscious person on their side in the recovery position and ensure breathing can take place. Keep affected person under observation. Get medical attention if symptoms are severe or persist. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention immediately.

- Skin:** It is important to remove the substance from the skin immediately. In the event of any sensitisation symptoms developing, ensure further exposure is avoided. Remove contamination with soap and water or recognised skin cleansing agent. Get medical attention if symptoms are severe or persist after washing.
- Eye:** Remove any contact lenses and open eyelids wide apart. Rinse with water. Get medical attention if any discomfort continues.

4.2 Most important symptoms and effects, both acute and delayed

General:

- Inhalation:** A single exposure may cause the following adverse effects: Headache. Nausea, vomiting. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Narcotic effect.
- Ingestion:** May cause sensitisation or allergic reactions in sensitive individuals. May cause irritation. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.
- Skin:** May cause skin sensitisation or allergic reactions in sensitive individuals. Redness. Irritating to skin.
- Eye:** No specific symptoms known. May be slightly irritating to eyes.

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor: Treat symptomatically. May cause sensitisation or allergic reactions in sensitive individuals.

Section 5: Firefighting measures

5.1 Extinguishing media

The product is flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire. Do not use water jet as an extinguisher, as this will spread the fire.

5.2 Special hazards arising from the substance or mixture

Specific hazards: Containers can burst violently or explode when heated, due to excessive pressure build-up. Flammable liquid and vapour. Vapours may be ignited by a spark, a hot surface or an ember. Vapours may form explosive mixtures with air. Fire-water run-off in sewers may create fire or explosion hazard.

Hazardous combustion products: Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

5.3 Advice for firefighters

Protective actions during firefighting: Avoid breathing fire gases or vapours. Evacuate area. Keep upwind to avoid inhalation of gases, vapours, fumes and smoke. Ventilate closed spaces before entering them. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Avoid discharge to the aquatic environment. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

Special protective equipment for firefighters: Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing will provide a basic level of protection for chemical incidents.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk. Do not touch or walk into spilled material. Evacuate area. Provide adequate ventilation. No smoking, sparks, flames or other sources of ignition near spillage. Promptly remove any clothing that becomes contaminated. Avoid inhalation of vapours and spray/mists. Use suitable respiratory protection if ventilation is inadequate. Avoid contact with skin and eyes.

6.2 Environmental precautions

Avoid discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment.

6.3 Methods and material for containment and cleaning up

Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Eliminate all ignition sources if safe to do so. No smoking, sparks, flames or other sources of ignition near spillage. Do not allow material to enter confined spaces, due to the risk of explosion. Absorb small quantities with paper towels and evaporate in a safe place. Once evaporation is complete, place paper in a suitable waste disposal container and seal securely. Large Spillages: If the product is soluble in water, dilute the spillage with water and mop it up. Alternatively, or if it is not water-soluble, absorb the spillage with an inert, dry material and place it in a suitable waste disposal container. The contaminated absorbent may pose the same hazard as the spilled material. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dangerous for the environment. Do not empty into drains. For waste disposal, see Section 13.

6.4 Reference to other sections

For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

Section 7: Handling and storage

7.1 Precautions for safe handling

Usage precautions: Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use. Avoid the formation of mists. The product is flammable. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid discharge to the aquatic environment. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers.

Advice on general occupational hygiene: Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse.

7.2 Conditions for safe storage, including any incompatibilities

Storage precautions: Store away from incompatible materials (see Section 10). Store locked up. Keep away from oxidising materials, heat and flames. Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage.

Storage class: Flammable liquid storage.

7.3 Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

Section 8: Exposure controls / personal protection

8.1 Control parameters

Occupational exposure limits:

Distillates (petroleum), hydrotreated heavy paraffinic <3% DMSO
Long-term exposure limit (8-hour TWA): WEL 5 mg/m³ inhalable dust
Long-term exposure limit (8-hour TWA): WEL 5 mg/m³ mist

Oils, pine
Long-term exposure limit (8-hour TWA): WEL 560 mg/m³
WEL = Workplace Exposure Limit.

Kerosene (CAS: 8008-20-6)
DNEL Consumer - Oral; : 18.8 mg/kg/day

Fatty acids, C16-18 and C18-unsatd., Me esters (CAS: 67762-38-3)
DNEL Workers - Dermal; Long term systemic effects: 10 mg/kg/day
Workers - Inhalation; Long term systemic effects: 6.96 mg/m³
PNEC - Fresh water; 2.504 mg/
- marine water; 0.2504 mg/
- Intermittent release; 25.04 mg/
- STP; 520 mg/

8.2 Exposure controls

Appropriate engineering controls: Provide adequate general and local exhaust ventilation. Ensure the ventilation system is regularly maintained and tested. Good general ventilation should be adequate to control worker exposure to airborne contaminants. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection: Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.

Hand protection: Wear protective gloves. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, wear gloves that are proven to be impervious to the chemical and resist degradation. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.

Other skin and body protection: May cause skin sensitisation or allergic reactions in sensitive individuals. Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene measures: Wash after use and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.

Respiratory protection: Ensure all respiratory protective equipment is suitable for its intended use and is 'UKCA'-marked. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges suitable for intended use should be used. Full face mask respirators with replaceable filter cartridges suitable for intended use should be used. Half mask and quarter mask respirators with replaceable filter cartridges suitable for intended use should be used.

Environmental exposure controls: Keep container tightly sealed when not in use. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Note: This information represents typical data and is not a specification.

Appearance	Coloured liquid
Colour	Green
Odour	Pine
Flash point	43°C (Method: Closed cup)
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 0.7 % Upper flammable/explosive limit: 5.6 %
Relative density	~ 0.830 @ 20°C
Solubility	Immiscible with water
Explosive under the influence of a flame	Flammable liquid
Oxidising properties	Does not meet the criteria for classification as oxidising

9.2 Other information

No information required.

Section 10: Stability and reactivity

10.1 Reactivity

See the other subsections of this section for further details.

10.2 Chemical stability

Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

10.3 Possibility of hazardous reactions

The following materials may react strongly with the product: Oxidising agents.

10.4 Conditions to avoid

Avoid heat, flames and other sources of ignition. Containers can burst violently or explode when heated, due to excessive pressure build-up. Static electricity and formation of sparks must be prevented.

10.5 Incompatible materials

Oxidising materials. Acids - oxidising.

10.6 Hazardous decomposition products

Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

Section 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity - oral, Notes (oral LD₅₀): Based on available data the classification criteria are not met.

Acute toxicity - dermal, Notes (dermal LD₅₀): Based on available data the classification criteria are not met.

Acute toxicity - inhalation, Notes (inhalation LC₅₀): Based on available data the classification criteria are not met.

Skin corrosion/irritation: Irritating

Serious eye damage/irritation: Based on available data the classification criteria are not met.

Respiratory sensitisation: Based on available data the classification criteria are not met.

Skin sensitisation: May cause skin sensitisation or allergic reactions in sensitive individuals.

Germ cell mutagenicity, Genotoxicity - in vitro: Based on available data the classification criteria are not met.
Carcinogenicity: Based on available data the classification criteria are not met.
IARC carcinogenicity: None of the ingredients are listed or exempt.
Reproductive toxicity - fertility: Based on available data the classification criteria are not met.
Reproductive toxicity - development: Based on available data the classification criteria are not met.
Specific target organ toxicity - single exposure: STOT SE 3 - H336 May cause drowsiness or dizziness
Target organs: Central nervous system
Specific target organ toxicity - repeated exposure: Not classified as a specific target organ toxicant after repeated exposure.
Aspiration hazard: Asp. Tox. 1 - H304 May be fatal if swallowed and enters airways. Pneumonia may be the result if vomited material containing solvents reaches the lungs.
General information: The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation: A single exposure may cause the following adverse effects: Headache. Nausea, vomiting. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Narcotic effect.
Ingestion: May cause sensitisation or allergic reactions in sensitive individuals. May cause irritation. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.
Skin contact: May cause skin sensitisation or allergic reactions in sensitive individuals. Redness. Irritating to skin.
Eye contact: No specific symptoms known.
Route of exposure: Ingestion Inhalation Skin and/or eye contact
Target organs: Central nervous system
Medical considerations: Skin disorders and allergies.

Section 12: Ecological information

12.1 Toxicity

Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects

12.2 Persistence and degradability

The degradability of the product is not known.

12.3 Bioaccumulative potential

Bioaccumulative potential: No data available on bioaccumulation.

Partition coefficient: No information available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

None known.

Section 13: Disposal considerations

13.1 Waste treatment methods

General information: The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

Disposal methods: Do not empty into drains. Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. Incineration or landfill should only be considered when recycling is not feasible.

Section 14: Transport information

General

14.1 UN Number

(ADR/RID, IMDG, ICAO, ADN): 1993

14.2 UN proper shipping name

FLAMMABLE LIQUID, N.O.S. (Contains Kerosene, Oils, pine)

14.3 Transport hazard class(es)

(ADR/RID, IMDG, ICAO, ADN): 3
Transport labels: Flammable

14.4 Packing group

(ADR/RID, IMDG, ICAO, ADN): III

14.5 Environmental hazards

Environmentally hazardous substance/marine: Yes

14.6 Special precautions for user

Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

EmS: F-E, S-E

ADR transport category: 3

Emergency Action Code: •3Y

Hazard Identification Number (ADR/RID): 30

Tunnel restriction code: (D/E)

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code

Transport in bulk according
to Annex II of MARPOL
73/78 and the IBC Code: Not applicable

Section 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Health and Safety at Work etc. Act 1974 (as amended).

The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].

EH40/2005 Workplace exposure limits.

15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

Inventories: EU - EINECS/ELINCS: None of the ingredients are listed or exempt.

Section 16: Other information

Abbreviations and acronyms used in the safety data sheet:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.

RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.

IATA: International Air Transport Association.

ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.

IMDG: International Maritime Dangerous Goods.

CAS: Chemical Abstracts Service.

ATE: Acute Toxicity Estimate.

LC50: Lethal Concentration to 50 % of a test population.

LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).

EC₅₀: 50% of maximal Effective Concentration.

PBT: Persistent, Bioaccumulative and Toxic substance.

vPvB: Very Persistent and Very Bioaccumulative.

Flam. Liq. = Flammable liquid

Asp. Tox. = Aspiration hazard

Skin Irrit. = Skin irritation

Skin Sens. = Skin sensitisation

STOT SE = Specific target organ toxicity-single exposure

Aquatic Chronic = Hazardous to the aquatic environment (chronic)

Classification procedures according to SI 2019 No. 720: Asp. Tox. 1 - H304: STOT SE 3 - H336: Skin Irrit. 2 - H315: Skin Sens. 1 - H317: : Calculation method. Aquatic Chronic 2 - H411: : Calculation method. Flam. Liq. 3 - H226: : Expert

judgement.

Training advice: Only trained personnel should use this material.

Hazard statements in full:

H226 Flammable liquid and vapour.

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.

H411 Toxic to aquatic life with long lasting effects.

The responsibility to ensure safe working conditions within the workplace remains with the user. The information on this SDS is given as a guide to the precautions required to maintain a safe work environment. This product is for professional use only. Not for sale or resale to the general public. Use in applications other than those described above may give rise to risks not covered by the information on this SDS. The physical and chemical properties on this SDS are typical properties and are not a specification. Please report any errors.