SECTION 1: IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF COMPANY/UNDERTAKING

1.1. Product identifier

Product name: Oil Tonic ref: SGA11

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

Use of the substance/mixture: Engine Oil Additive

1.3. Details of the supplier of the safety data sheet

Silverhook Ltd.
Unit 14 Bates Road
Harold Wood, London, England
RM3 0JH
Tel.: +44 (0) 1708330500
Fax.: +44 (0) 1708330504
Email: 522@silverhook.co.uk
Responsible person email: 522@silverhook.co.uk

1.4. Emergency telephone number

+44 (0) 1708330500 (during office hours)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Product definition
Mixture
Classification according to Regulation (EC)No.1272/2008[CLP/GHS]
Not classified.
Classification according to Directive 1999/45/EC[DPD]
The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
See Sections 11 and 12 for more detailed information on health effects and symptoms and environmental hazards.

2.2. Label elements

Signal word
No signal word.
Hazard statements
No known significant effects or critical hazards.
Precautionary statements
Prevention
Not applicable.
Response
Not applicable.
Storage
Not applicable.
Disposal
Not applicable.

Supplemental label elements
Contains lubricating oils (petroleum), C15-30, hydro-treated neutral oil-based.

Special packaging requirements
Containers to be fitted with child-resistant fastenings
Not applicable.
Tactile warning of danger
Not applicable.

2.3. Other hazards

Other hazards which do not result in classification
Experimental data on one or more of the components has been used to determine all or part of the hazard classification of this product.

SECTION 3: COMPOSITION/MIXTURE ON INGREDIENTS

Substance/mixture Mixture

Synthetic & Mineral base stock with proprietary additives.

Product/ingredient name	Identifiers	%	Classification 67/548/EEC	Classification Regulation (EC) No. 1272/2008 [CLP]	Type
Calcium Sulphonate	CAS: 61789-86-4 EC: 263-093-9	>3 - <5	Not Classified.	H317.	
Lubricating oils (petroleum), C15-30, Hydro-treated neutral oil-based.	REACH #: 01-2119474878-16-0001 EC: 276-7317-9 CAS: 72623-86-0	>70 - <90	Not Classified.	Not Classified.	

See Section 16 for the full text of the R-phrases declared above.
See Section 16 for the full text of the H statements declared above.

Type

[1] Substance classified with a health or environmental hazard

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

By eye contact

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Check for and remove any contact lenses. Get medical attention if irritation develops.

By skin contact

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if irritation develops.

By inhalation

If inhaled, remove to fresh air. Get medical attention if symptoms appear.

By ingestion

Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Protection of first-aiders

No action shall be taken involving any personal risk or without suitable training.

4.2. Most important symptoms and effects, both acute and delayed

See Section 11 for more detailed information on health effects and symptoms.

4.3. Indication of any immediate medical attention and special treatment needed

Notes to physician

Treatment should in general by symptomatic and directed to relieving any effects.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

In case of fire, use foam, dry chemical or carbon dioxide extinguisher or spray.

Unsuitable extinguishing media

Do not use water jet.

5.2. Special hazards arising from the substance or mixture

Hazards from the substance or mixture

In a fire of if heated, a pressure increase will occur and the container may burst.

Hazardous combustion product

Combustion products may include the following: carbon oxides (CO, CO_2) (carbon monoxide, carbon dioxide)

5.3. Advice for fire-fighters

Special precautions for fire-fighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Floors may be slippery; use care to avoid falling. Put on appropriate personal protective equipment.

For emergency responders
If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel"

6.2. Environmental precautions
Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3. Methods and material for containment and cleaning up
Small spill
Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contactor.
Large spill
Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor.

6.4. Reference to other sections
See Section 1 for emergency contact information.
See Section 5 for fire-fighting measures.
See Section 8 for information on appropriate personal protective equipment.
See Section 12 for environmental precautions.
See Section 13 for additional waste treatment information.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling
Protective measures
Put on appropriate personal protective equipment.
Advice on general occupational hygiene
Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Wash thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2. Conditions for safe storage, including any incompatibilities
Store in accordance with local regulations. Store in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10). Keep away from heat and direct sunlight. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Store and use only in equipment/containers designed for use with this product. Do not store in unlabeled containers.
Not suitable
Prolonged exposure to elevated temperature.

7.3. Specific end use(s)
Recommendations
See Section 1.2 and Exposure scenarios in annex, if applicable.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
Occupational exposure limits

Product/ingredient name	Exposure limit values
Base oil - unspecified	**ACGIH® TLV®** TWA: 5 mg/m³ 8 hours. Issued/Revised: 11/2009 Form: Inhalable fraction

Whilst specific OELs for certain components may be shown in this section, other components may be present in any mist, vapour or dust produced. Therefore, the specific OELs may not be applicable to the product as a whole and are provided for guidance only.
Recommended monitoring procedures
If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres – Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN14042 (Workplace atmospheres – Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres – general requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.
Derived No Effect Level
No DNELs/DMELs available.
Predicted No Effect Concentration
No PNECs available.

8.2. Exposure controls

Appropriate engineering controls
Provide exhaust ventilation or other engineering controls to keep the relevant airborne concentrations below their respective occupational exposure limits. All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled. Personal protective equipment should only be considered after other forms of control measures (e.g. engineering controls) have been suitable evaluated. Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition and properly maintained.
Your supplier of personal protective equipment should be consulted for advice on selection and appropriate standards. For further information contact your national organization for standards. The final choice of protective equipment will depend upon a risk assessment. It is important to ensure that all items of personal protective equipment are compatible.

Individual protection measures
Hygiene measures
Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location.

Respiratory protection
Respiratory protective equipment is not normally required where there is adequate natural or local exhaust ventilation to control exposure. In case of insufficient ventilation, wear suitable respiratory equipment. The correct choice of respiratory protection depends upon the chemicals being handled, the conditions of work and use, and the condition of the respiratory equipment. Safety procedures should be developed for each intended application. Respiratory protection equipment should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions.
Eye/face protection
Safety glasses with side shields.
Skin protection
Hand protection
General Information
Recommended: Nitrile gloves
Continuous contact:
Gloves with a minimum breakthrough time of 240 minutes, or >480 minutes if suitable gloves can be obtained. If suitable gloves are not available to offer that level of protection, gloves with shorter breakthrough times may be acceptable as long as appropriate glove maintenance and replacement regimes are determined and adhered to.
Short-term/splash protection:
Recommended breakthrough times as above. It is recognized that for short-term, transient exposures, gloves with shorter breakthrough times may commonly be used. Therefore, appropriate maintenance and replacement regimes must be determined and rigorously followed.
Skin and body
Use of protective clothing is good industrial practice.
Personal protective equipment for the body should be selected based on the task being performed and the risks involved should be approved by a specialist before handling this product.
Environmental exposure controls
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

Appearance

Physical state	Liquid
Colour	Amber (light)
Odour	Not available
Odour threshold	Not available
pH	Not available
Melting point/freezing point	Not available
Initial boiling point and boiling range	Not available
Pour Point	-51°C
Flash point	Closed cup: 143°C (289.4°F) (Pensky-Martens) (Product does not sustain combustion)
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Upper/lower flammability or explosive limits	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	Not available
Density	866 kg/m3 (0.866 g.cm^3) at 15°C
Solubility(ies)	Insoluble in water
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Kinematic: 104mm^2/s (104 cSt) at 40°C
	Kinematic: 15mm^2/s (15cSt) at 100°C
Explosive properties	Not available
Oxidising properties	Not available

9.2 Other information

No additional information.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No specific test data available for this product.

10.2. Chemical stability

The product is stable.

10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous polymerization will not occur.

10.4. Conditions to avoid

Avoid all possible sources of ignition (spark or flame).

10.5. Incompatible materials

Reactive or incompatible with the following materials: oxidizing materials.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity estimates

Route	ATE value
Oral	25125.6 mg/kg

Information on the likely routes of exposure
Routes of entry anticipated: Dermal, Inhalation.

Potential acute health effects

Inhalation
Vapour inhalation under ambient conditions is not normally a problem due to low vapour pressure.

Ingestion
No known significant effects or critical hazards.

Skin contact
No known significant effects or critical hazards. Product not classified for sensitization. Based on available data available for this or related materials.

Eye contact
No known significant effects or critical hazards

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation
May be harmful by inhalation if exposure to vapour, mists or fumes resulting from thermal decomposition products occurs.

Ingestion
No specific data.

Skin contact
No specific data.

Eye contact
No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Inhalation
Overexposure to the inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract.

Ingestion
Ingestion of large quantities may cause nausea and diarrhea.

Skin contact
Prolonged or repeated contact can de-fat the skin and lead to irritation and/or dermatitis

Eye contact
Potential risk of transient stinging or redness if accidental eye contact occurs.

Potential chronic health effects

General
No known significant effects or critical hazards.

Carcinogenicity
No known significant effects or critical hazards.

Mutagenicity
No known significant effects or critical hazards.

Developmental effects
No known significant effects or critical hazards.

Fertility effects
No known significant effects or critical hazards.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Environmental hazards
Not classified as dangerous.

12.2. Persistence and degradability

Not expected to be rapidly degradable.

12.3. Bioaccumulative potential

This product is not expected to bioaccumulate through food chains in the environment.

12.4. Mobility in soil

Soil/water partition coefficient (KOC)
Not available.

Mobility
Spillages may penetrate the soil causing ground water contamination.

12.5. Results of PBT and vPvB assessment

PBT	Non-applicable.
vPvB	Non-applicable.

12.6. Other adverse effects

Other ecological information
Spills may form a film on water surfaces causing physical damage to organisms. Oxygen transfer could also be impaired.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product

Methods of disposal

Where possible, arrange for product to be recycled. Dispose of via an authorized person/licensed waste disposal contractor in accordance with local regulations.

Hazardous waste

Yes.

European Waste Catalogue (EWC)

Waste Code	Waste designation
13 02 06*	Synthetic engine, gear and lubricating oils

However, deviation from the intended use and/or the presence of any potential contaminants may require an alternative waste disposal code to be assigned by the end user.

Packaging

Methods of disposal

Where possible, arrange for product to be recycled. Dispose of via an authorized person/licensed waste disposal contractor in accordance with local regulations.

Special precautions

This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of split material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: TRANSPORT INFORMATION

14.1. UN Number

ADR/RID	Not regulated.
AND	Not regulated.
IMDG	Not regulated.
IATA	Not regulated.

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

ADR/RID	No.
AND	No.
IMDG	No.
IATA	No.

Additional information

14.6. Special precautions for user

Not available.

SECTION 15: REGULATORY INFORMATION

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

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV – List of substances subject to 7uthorization

Substances of very high concern

None of the components are listed.

Annex XVII – Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixture and articles

Not applicable.

Other regulations

REACH status

The company, as identified in Section 1, sells this product in the EU in compliance with the current requirements of REACH.

United States inventory (TSCA 8b)

All components are listed or exempted.

SECTION 15: REGULATORY INFORMATION (continued)

Australia inventory (AICS)	All components are listed or exempted.
Canada inventory	At least one component is not listed.
China inventory (IECSC)	All components are listed or exempted.
Japan inventory (ENCS)	All components are listed or exempted.
Korea inventory (KECI)	All components are listed or exempted.
Philippines inventory (PICCS)	All components are listed or exempted.
Taiwan inventory (CSNN)	Not determined.

15.2. Chemical Safety Assessment

This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: OTHER INFORMATION

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
DPD = Dangerous Preparations Directive [1999/45/EC]
DSD = Dangerous Substances Directive [67/548/EEC]
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SADT = Self-Accelerating Decomposition Temperature
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVCB = Complex hydrocarbon substance
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Full text of abbreviated H statements

H317 May cause an allergic skin reaction.

SECTION 16: OTHER INFORMATION (continued)

Full text of classifications [CLP/GHS]	H317	May cause an allergic skin reaction
Full text of abbreviated R phrases	.	
Date of issue/ Date of revision	22/08/2022	

Disclaimer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at UK, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.