SAFETY DATA SHEET

According to EC 1907/2006, Annex I

Product:
Super Stick Aerosol
3130

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier
Trade name: **Super Stick Aerosol**
Registration number (substance) Not applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against
Use of the Substance/Mixture: Food Grade lubricant

1.3 Details of the supplier of the Safety Data Sheet

Manufacturer
Cargo Oil AB
Brodalsvägen 5
433 38 PARTILLE
Telephone +46 31-44 33 11
Facsimile +46 31-44 33 10

Importer / Distributor
Pacific Lubrication Consultants
U10 / 29 Waratah Street
Kirrawee NSW 2232

E-mail address of the competent person: ssamuels@paclube.com.au

1.4 Emergency phone number
Emergency phone number: +61 419 817 204
National emergency number: **13 11 26** Australia Poisons Information Centre, Available 24 hours day, 7 days a week

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
Product definition: Mixture

Classification according to directive (EC) 1272/2008 (CLP/GHS): Flam. aerosol 1

Classification according to directive 1999/45/EC (incl. amendments): Extremely flammable

See section 11 and 12 for more detailed information on health effects and symptoms and environmental hazards.
See section 16 for full text on R phrases or H statements declared above.

2.2 Label elements
Hazard symbol or symbols

Signal word: DANGER
Indication of danger: Propane, Butane
Hazard statements (for full text, see section16): H222, H229

Precautionary statements (full text)

P210 - Keep away from flames and hot surfaces
P211 - Do not spray on an open flame or other ignition source.
P251 - Pressurized container. Do not pierce or burn, even after use.
P410+P412 - Protect from sunlight. Do not

	expose to temperatures exceeding 50 °C/ 122 °F P501 – Dispose of content/container in accordance with local regulations.
Hazardous components which must be listed on the label	Propane/butane.
Supplemental label requirement	Pressurized container. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Do not pierce or burn, even after use. Do not spray on an open flame or other ignition source. Keep away from flames and hot surfaces. No smoking.
Special packaging requirements	Not applicable

2.3 Other hazards

Other hazards which do not result in classification	Spill may cause risk for slipping.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture: Mixture

Product/ingredient name	CAS/EINECS/RRN	%	Classification (EG) 1272/2008	Type
Propane	74-98-6/ 200-827-9/ 01-2119486944-21	20-30	Flam. Gas 1; H220	1
Butane	106-97-8/ 203-448-7/ 01-2119474691-32	20-30	Flam. Gas 1; H220	1
Additional information	Note- any classification in brackets is a GHS building block that was not adopted by the EU in the CLP regulation (No 1272/2008) and therefore is not applicable in the EU or in non-EU countries which have implemented the CLP regulation and is shown for informational purposes only. *Highly refined mineral oil = group name for base oils, unspecified CAS/ EINECS/RR number: 101316-72-7/309-877-7/01-2119489969-06; 74869-22-0/278-012-2/01-2119495601-36; 647-62-7/265-159-2/01-2119480472-38; 64742-54-7/265-157-1/01-2119484627-25; 64742-57-0/265-160-8/01-2119489287-22. Concawe: Highly refined base oil 8042-47-5/232-455-8/01-2119487078-27. All oils contain < 3% DMSO-extract (IP 346)			
PBT and vPvB assessment	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0,1 % or higher.			

Type
1. Substance classified with a health or environmental hazard in accordance with 67/548/EEG or (EC)1272/2008
2. Substance with a workplace exposure limit
3. Substance meets the criteria for PBT according to Regulation (EG)1907/2006, Annex XIII
4. Substance meets the criteria for vPvB according to Regulation (EG) 1907/2006, Annex XIII

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

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice	No special measures required
In case of eye contact	Remove contact lenses if worn. Rinse opened eye for several minutes. Get medical attention if symptoms persist.
If swallowed	Not a likely route of exposure as the product is in aerosol package. Contact physician immediately. Do not induce vomiting
In case of contact with skin	Wash contact areas with soap and water.

	Remove contaminated clothing. Launder contaminated clothing before use.
If inhaled	If inhaled, remove to fresh air. For those providing assistance, avoid exposure to yourself or others. If respiratory irritation, dizziness, nausea or unconsciousness occurs, seek immediate medical assistance. If not breathing, administer artificial respiration. Contact physician.
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

Symptoms	No further information available
Risks	No further information available

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	No specific information available.
Treatment	Treatment should in general be symptomatic and directed to relieving any effects.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media	Carbon dioxide Water haze or fog Foam Fire-extinguishing powder
Unsuitable extinguishing media	Do not use water jet

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture	Pressurized containers, when heated, are a potential explosive hazard.
Hazardous combustion products	Smoke, Fume, Incomplete combustion products, Carbon dioxide (CO_2), Carbon monoxide (CO).

5.3 Advice for firefighters

Special precautions for firefighters	No action shall be taken involving any personal risk or without suitable training. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. Cool containers with water. Prevent run-off from fire control or dilution from entering steams, sewers or drinking water supply.
Special protective equipment for firefighters	Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for firefighters (including helmets, protective boots and gloves) conforming to the European standard EN 469 will provide a basic level of protection for chemical incidents.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Contact emergency personnel. No action shall be taken involving any personal risk or without suitable training. Evacuate downwind and surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Floors may be slippery; use care to personal protective equipment.
For emergency personnel	Entry into a confined space or poorly ventilated area contaminated with vapor, mist or fume is extremely hazardous without the correct respiratory protective equipment and a safe system of work. Wear self-contained breathing apparatus. Wear a suitable chemical protective suit. Chemical resistant boots. See also the information in “For non-emergency personnel”.

6.2 Environmental precautions

Protective measures	Provide adequate ventilation. 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 materials for containment and cleaning up

Small spills	Contain spill to a small area. Keep away from sources of ignition – No smoking. If removal of ignition sources is not possible, then flush material away with water. Pick up with suitable absorbent material and place in a suitable container for disposal. 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 contractor.
Large spills	Immediately contact emergency personnel. Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Dyke far ahead of liquid spill for later recovery and disposal. Keep away from sources of ignition – No smoking. If removal of ignition sources is not possible, then flush material away with water. Prevent entry into sewers, water courses, basements or confined areas. Recover by pumping, skimming or contain and collect spillage with liquid-binding absorbent material e.g. sand, earth, vermiculite, diatomaceous earth or similar and place in container for disposal according to local regulations. Contaminated absorbent material may pose the same hazard as the spilt product. Dispose of via a licensed waste disposal contractor. Local regulations may prescribe or limit action to be taken.

6.4 Reference to other sections

See section 1 for emergency contact information.
See section 5 for firefighting 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.

7. HANDLING AND STORAGE

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available user-specific information provided in the Exposure Scenario(s)..

7.1 Precautions for safe handling

Protective measures

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition – No smoking.

Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is 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

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C (122 °F). Do not pierce or burn, even after use.

7.3 Specific end use(s)

Recommendations

Section 1 informs about identified end-uses. No industrial or sector specific guidance available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

8.1 Control parameters

Occupational exposure limits

For information and guidance, the ACGIH values are included. For further information on these please consult your supplier. Whilst specific OELs for certain components may be shown in this section, other components may be present in any mist, vapor or dust produced. Therefore, the specific OELs may not be applicable to the product as a whole and are provided for guidance only.

Hazardous ingredients	Exposure limit value
Highly refined mineral oils (DMSO-extract < 3 %, IP 346). Including smoke and mist thereof.	**AFS 2005:17 (Sweden 12/2010)** 3 mg/m^3, 15 min (2000) 1 mg/m^3, 8 h (2000)
Propane	**AFS 2005:17 (Sweden 12/2010)** NGV: 1800 mg/m^3

Additional information on exposure limit and monitoring	The lists valid during the making were used as basis.

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 – Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) and 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 airborne concentrations of vapors 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 suitably 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.

Personal protective equipment

Hygiene measures	Always observe good personal 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. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practise good housekeeping.
Eye/face protection	If contact is likely, safety glasses with side shields are recommended.
Hand protection	Wear protective gloves if prolonged or repeated contact is likely. Wear chemical resistant gloves. Recommended: Nitrile rubber (CEN standard EN 420 and EN 374 provide general requirements and lists of glove types). The correct choice of protective gloves depends upon the chemicals being handled, the conditions of work and use, and the condition of the gloves (even the best chemically resistant glove will break down after repeated chemical exposures). Most gloves provide only a short time of protection before they must be discarded and replaced. Because specific work environments and material practices vary, safety procedures should be developed for each intended application. Gloves should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions.
Skin and body	Use of protective clothing is good industrial

	practise. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Cotton or polyester/cotton overalls will only provide protection against light superficial contamination that will not soak through to the skin. Overalls should be laundered on a regular basis. When the risk for skin exposure is high (e.g. when cleaning up spillages or if there is a risk for splashing) then chemical resistant aprons and/or impervious chemical suits and boots will be required.
Respiratory protection	Use with adequate ventilation. Respiratory protection equipment is not required under normal use and handling. Types of respirators to be considered for this material include: Half-face respirator Type A/P2 filter material, CEN standards EN 136, 140 and 405 provide respirator masks and EN 149 and 143 provide filter recommendations. For high airborne concentrations, use an approved supplied-air respirator, operating in positive pressure mode.
Environmental exposure controls	Comply with applicable environmental regulations limiting discharge to air, water and soil. Protect the environment by applying appropriate control measures to prevent or limit emissions.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Property	Value
Appearance	Aerosol
Physical state	Viscous fluid
Colour	Colourless/transparent
Odour	Slight
Odour threshold	Not determined
pH	Not applicable
Melting point/freezing point	Not determined
Initial boiling point and boiling range	Not determined
Pour point	Not determined
Flash point	Not determined
Evaporation rate (n-butyl acetate=1)	Not determined
Flammability (solid, gas)	Not determined
Upper/lower flammability or explosive limits	Not determined
Vapor pressure	Not determined
Vapor density	Not determined
Relative density	Not determined
Solubility(ies)	Negligible (In water)
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
Viscosity	Not determined
Explosive properties	Not determined
Oxidising properties	None

9.2 Other information
No further relevant information available.

10. STABILITY AND REACTIVITY

10.1 Reactivity	No specific test data available for the product. Refer to 10.3 and 10.5
10.2 Chemical stability	The product is stable
10.3 Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous polymerisation will not occur. Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources.
10.5 Incompatible materials	Strong oxidizing agents.
10.6 Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Hazard class	Conclusion/Remarks
Inhalation Acute toxicity: Rat, 8 h LC50> 5000 mg/m^3 (Vapour). Test scores or other study results do not meet criteria for classification. Irritation: No end point data.	Minimally toxic. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guidelines 403 Negligible hazard at ambient/normal handling temperatures. Based on test data for structurally similar materials.
Ingestion Acute toxicity Rat, LD50 >5000 mg/kg Test scores or other study results do not meet criteria for classification.	Minimally toxic. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guidelines 401
Skin Acute toxicity Rabbit, LD50 > 5000 mg/kg. Test scores or other study results do not meet criteria for classification. Skin corrosion/Irritation: Data available. Test scores or other study results do not meet criteria for classification.	Minimally toxic. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guidelines 402 May dry the skin leading to discomfort and dermatitis. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guidelines 404
Eye Serious Eye Damage/Irritation: Data available. Test scores or other study results do not meet criteria for classification.	May cause mild, short-lasting discomfort to eyes. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guidelines 405
Sensitation	

Respiratory Sensitization: No end point data. Skin sensitization: Data available. Test scores or other study results do not meet criteria for classification.	Not expected to be a respiratory sensitizer. Not expected to be a skin sensitizer. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guidelines 406
Germ cell Mutagenicity: Data available. Test scores or other study results do not meet criteria for classification.	Not expected to be a germ cell mutagen. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guidelines 471 473 474 476 478 479
Carcinogenity: Data available. Test scores or other study results do not meet criteria for classification.	Not expected to cause cancer. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guidelines 453
Reproductive Toxicity: Data available. Test scores or other study results do not meet criteria for classification.	Not expected to be a reproductive toxicant.. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guidelines 414 412 422
Lactation: No end point data	Not expected to cause harm to breast-fed children.
Specific Target Organ Toxicity (STOT) Single exposure: No end point data Repeated exposure: Data available. Test scores or other study results do not meet criteria for classification	Not expected to cause organ damage from a single exposure Not expected to cause organ damage from prolonged or repeated exposure. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guidelines 408 413 422

Other information	The data available are for the product without propellants. Vapour concentrations above recommended exposure levels are irritating to the eyes and the respiratory tract, may cause headaches and dizziness, are anaesthetic and may have other central nervous system effects. Prolonged or repeated skin contact with low viscosity materials may defat the skin resulting in possible irritation and dermatitis.

12. ECOLOGICAL INFORMATION

12.1 Toxicity Environmental hazards	The product is not expected to be harmful to aquatic organisms. Not expected to demonstrate chronic toxicity to aquatic organisms.
12.2 Persistence and degradability Biodegradability	The product is inherently biodegradable.

12.3 Bioaccumulative potential	Not determined
12.4 Mobility in soil	
Soil/water partition coefficient (K_{oc})	Not determined
Mobility	Not determined
12.5 Results of PBT- and vPvB assessment	
PBT	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic at levels of 0,1% or higher
vPvB	This substance/mixture contains no components considered to be either very persistent and very bioaccumulative at levels of 0,1% or higher
12.6 Other adverse effects	No adverse effects are expected
12.7 Other information	No further information available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	
Product	
Methods of disposal	The generation of waste should be avoided or minimized wherever possible. Dispose of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
Hazardous waste	Yes. Dispose of contents/container in accordance with local regulation.

European waste catalouge (EWC

Waste code	European waste catalogue (EWC)
130202	Non-chlorinated 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.

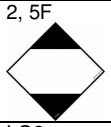
Packaging	
Method of disposal	Dispose of via an authorized person/licensed waste disposal contractor in accordance with local regulations.

Waste code	European waste catalogue (EWC)
150110*	Packaging containing residues of or contaminated by dangerous substances

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.

Special precautions	Pressurized container. Do not pierce or burn, even after use.

14. TRANSPORT INFORMATION

	ADR/RID	ADN/ADNR	IMDG	IATA
14.1 UN number	1950	1950	1950	1950
14.2 UN proper shipping name	AEROSOLS, Flammable	AEROSOLS, Flammable	AEROSOLS.	Aerosols, Flammable
14.3 Transport hazard class(es)	2, 5F 	2 	2.1 	2.1 
14.4 Packing group	LQ2	-	-	-
14.5 Environmental hazards	No	No	No	No
14.6 Special precautions	Not applicable	Not applicable	Not applicable	Not applicable
Additional information	Limited Quantity LQ2 1 lit/ inner package. Special regulations 190 327 625 Tunnel category D	Flash Point <-50 °C	Emergency schedules (EmS) F-D, S-U	Passenger and Cargo Aircraft Quantity limitation: 75 kg Packing instructions: 203 Cargo Aircraft Only: Quantity limitation: 150 kg Packaging instructions: 203 Limited Quantities – Passenger Aircraft Quantity limitation: 30 kg Packaging instructions: Y203

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

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
EU Regulation (EG) No 1907/2006 (REACh)
Annex XIV- List of substances subject to authorisation
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, mixtures and articles
Not applicable

Other regulations

National Inventory List	Australia inventory (AICS): All components are listed or exempt China inventory (IECSC): All components are listed or exempt. Japan inventory (ENCS): All components are listed or exempt Korea inventory (KECI): All components are listed or exempt New Zeeland inventory (NZIoC): All components are listed or exempt Philippines inventory (PICCS): All components are listed

	or exempt USA inventory (TSCA 8b): All components are listed or exempt. Canada inventory (DSL): All components are listed or exempt
REACh status	The company, as identified in Section 1, sells the product in the EU in compliance with the current requirements of REACh
15.2 Chemical Safety Assessment	This product contains substances for which Chemical Safety assessment has been carried out for.

16. OTHER INFORMATION

Abbreviations and acronyms	VOC Volatile Organic Compound ADN= The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways ADR=The European Agreement concerning the International Carriage of Dangerous Goods by Road EWC= European Waste Catalogue GHS=Globally Harmonized System of Classification and Labelling of Chemicals IATA= International Air Transport Association InS InS Services UK Ltd NSF National Foundation of Sanitation LD Lethal Dose LC Lethal Concentration EC Effective Concentration NOEC No Observable Effect Concentration TLV Threshold Limit Value
Full text of abbreviated H statements	H220 Extremely flammable gas H222 Extremely flammable aerosol H229 Pressurized container: May burst if heated
Full text of classification CLP/GHS	Flam. Gas 1 - Flammable gas Category 1 Aerosol 1 - Flammable aerosol Category 1 Asp. Tox. 1 – Aspiration toxicity Category 1
Date of issue/Date of revision	01/09/17
Date of previous issue	26/06/14 Version 1.0
Version	2.0
Prepared by	Product Stewardship
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