

Safety Data Sheet

PRODUCT NAME: Spray Lubricant Liquid Key ABRO MASTERS
PRODUCT NUMBER/SIZE: AB-80-100, AB-80-200, AB-80

Revision Date: 04/01/2024

Section 1 Chemical Product and Company Identification

Chemical name: MULTI-PURPOSE ANTIRUST LUBRICANT
Additional identification: Not available
Product code: AB-80-100, AB-80-200, AB-80
Identification of the product: See section 3
Relevant identified uses of the substance and uses advised against
Identified uses: It is widely used in automobile maintenance, mechanical equipment, household doors and windows, hardware and electrical and other anti-rust, anti-wear lubrication, dehumidification, noise reduction, good permeability.
Uses advised against: Not available
Details of the supplier of the safety data sheet
Name: ABRO Industries, Inc.
Address: 3580 Blackthorn Ct.
South Bend, IN 46628 USA
Telephone: 574-232-8289

Emergency telephone Number(24h): +1-703-527-3887 - Chemtrec

Section 2 Hazards Identification

Emergency Overview: Light yellow transparent liquid. Slight solvent oil odor. Extremely flammable aerosol. Pressurized container: may burst if heated. Decomposes in a fire giving off toxic fumes: Carbon monoxide, Carbon dioxide. May cause genetic defects.

GHS Classification:

Physical hazards	Aerosols	Category 1
Health hazards	Germ cell mutagenicity	Category 1B
Environmental hazards	Not classified	

Label elements

Pictogram:



Signal Word(s):

Danger

Hazard Statement:

H222: Extremely flammable aerosol
H229: Pressurized container: may burst if heated
H340: May cause genetic defects

Precautionary statement

Prevention:

P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P211: Do not spray on an open flame or other ignition source.
P251: Do not pierce or burn, even after use.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P308 + P313: IF exposed or concerned: Get medical advice/attention.

Response:

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Storage:

P405: Store locked up.

P410 + P412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Disposal:

P501: Dispose of contents/container to local regulations.

Physical and chemical hazards:

Extremely flammable aerosol. Pressurized container: may burst if heated. Decomposes in a fire giving off toxic fumes: Carbon monoxide, Carbon dioxide.

Health Hazards:

May cause genetic defects.

Environmental hazards:

The product has no obvious harm to the water environment.

Other hazards:

This product has not been found to have other hazards which are outside the scope of GB30000.2-29.

Section 3 Composition Information on Ingredients

Substance/Mixture/Article:

Mixture

Ingredient(s):

Chemical Name	CAS No.	EC No.	Concentration (%)
PARAFFIN	8012-95-1	232-384-2	60-65%
LPG	68476-85-7	270-704-2	20-45%
Span 80	1338-43-8	215-665-4	1-5%
Sulfonic acids, petroleum, sodium salts	68608-26-4	271-781-5	1-3%
Perfume(lemon)	Citral	5392-40-5	0.1%
	Geraniol	106-24-1	
	Linalool	78-70-6	
	D-limonene	5989-27-5	

Undisclosed ingredients include: 1) non-hazard ingredients, and 2) ingredients which are below the cut-off value required by Section 3.3 of GB / T 17519.

Section 4 First Aid Measures

In case of inhalation:

Transfer to fresh air and keep comfortable for breathing. Get medical advice/attention immediately.

In case of skin contact:

Take off all contaminated clothing immediately. Wash skin with water/ shower. All contaminated clothing shall be washed before reuse. In case of skin irritation: Get medical advice/attention.

In case of eyes contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

In case of ingestion:

Drink plenty of water. Call a POISON CENTER/doctor immediately. Rinse mouth. Do not induce vomiting.

Most important symptoms and effects, both acute and delayed:

May cause genetic defects.

To protect playing rescuer advice and the special hints to the doctor:

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Indication of any immediate medical attention and special treatment needed:

Provide general supportive measures and treat symptomatically. In the event of shortness of breath, give oxygen. Keep the victim warm. Observe the patient. Symptoms may delay.

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Section 5 Fire-fighting Measures

Extinguishing agent

Suitable extinguishing media:

Dry chemical extinguishing agent, carbon dioxide, fog water.

Unsuitable extinguishing media:

Avoid using DC water to extinguish fire, so as to avoid material splashes and fire spread.

Special hazards:

Extremely flammable aerosol. Pressurized container: may burst if heated. Decomposes in a fire giving off toxic fumes: Carbon monoxide, Carbon dioxide.

Special fire fighting methods and special protective actions for fire-fighters:

Firefighters should wear self-contained breathing apparatus, and wear full body fire service and extinguish fire in the windward direction. Remove the container from the fire to empty place as far as possible. Cool the container exposed to the fire with water and vent the vapors. Isolate the accident area, prohibit access to unrelated persons. Contain and handle fire water to prevent environmental pollution.

Section 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Use suitable personal protective equipment. Provide good ventilation. Avoid generating and inhaling vapors. Avoid contact with skin and eyes. Evacuate unrelated persons. According to the liquid flow or vapor diffusion area of influence, designate warning area. Evacuate unrelated personnel from crosswind, upwind side.

Environmental precautions:

Avoid release to the environment. In case of leakage into drainage system / aquatic environment, notify local authorities. Take measures to prevent further releases or spills while ensuring safety. Prevent spills from entering water, sewer, basement or limited space.

Methods and materials for containment and cleaning up:

Absorb spillage with suitable absorbent material.

Precautions to prevent the occurrence of secondary hazards:

Clean up spills immediately to prevent leaks again.

Section 7 Handling and Storage

Safe handling

Local and general ventilation:

Provide adequate ventilation.

Safety instructions:

Operators should follow the procedure and use the personal protective equipment recommended by the SDS section 8.

Precautions:

Keep away from open flames, hot surfaces and sources of ignition. In case of poor ventilation wear suitable respiratory equipment. Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling and prohibit eating in the workplace. Handling products should be carefully unloading, to avoid damage to packaging and containers.

Storage

Suitable storage conditions:

Store in correctly labelled containers. Keep container tightly closed, in a cool, well ventilated place. Protect from sunlight.

Incompatible materials:

Oxidizing agents, strong acid, and strong alkali.

Safe packaging materials:

Keep it in the original container.

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Section 8 Exposure Controls / Personal Protection

Occupational exposure limits:	According to GBZ2.1, LPG (CAS#68476-85-7) - PC-TWA=1000mg/m ³ , PC-STEL=1500mg/m ³
Biological limits:	No standard has been established.
Engineering controls:	Ensure adequate ventilation. Make sure the workplace is equipped with a safe place to shower, clean eyes and body, and place for safe care.
Personal protection equipment	
Respiratory protection:	Wear respiratory protection.
Hand protection:	Wear chemically resistant gloves.
Eye protection:	Use eye protection.
Skin and body protection:	Wear chemical protection suit, boots.
Hygiene measures:	Avoid contact with eyes. Wash hands after handling. Do not eat and drink in the workplace.

Section 9 Physical and Chemical Properties

Appearance:	Light yellow transparent liquid
Odor:	Slight solvent oil odor
Odor threshold:	No data available
Molecular formula:	Not applicable
Molecular weight:	Not applicable
Melting point/freezing point (°C):	<0 °C
Boiling point, initial boiling point (°C):	>35 °C
Density:	No data available
Relative density(H ₂ O=1):	0.8
Vapor pressure (20°C) (kPa):	No data available
Partition coefficient (n-octanol/water):	No data available
Solubility in water:	Not soluble in water
Solubility in organic solvents:	Soluble in most organic solvents such as alcohol
Flash point (°C):	No data available
Auto-ignition temperature (°C):	No data available
Flammability limit - lower (%):	No data available
Flammability limit - upper (%):	No data available
Decomposition temperature (°C):	No data available
Flammability (solid, gas):	No data available
Explosive properties	No data available
Explosive limit - lower (%):	0.7 vol%
Explosive limit - upper (%):	5 vol%
pH value:	No data available
Viscosity (mPa · S):	No data available
Relative vapor density (air=1):	No data available
Relative evaporation rate (n-butyl acetate=1):	No data available

Section 10 Stability and Reactivity

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Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No dangerous reaction known under conditions of normal use.
Conditions to avoid:	Incompatible materials. Keep away from fire and heat.
Incompatible materials:	Strong acids, strong bases and oxidizing agents.
Hazardous decomposition products:	Combustion may produce carbon oxides.

Section 11 Toxicological Information

Acute toxicity

Sulfonic acids, petroleum, sodium salts (CAS#68608-26-4)

LD50(Oral, Rat): >5000 mg/kg bw

LD50(Dermal, Rabbit): >5000 mg/kg bw

LC50(Inhalation, Rat): >1.9 mg/L 4 h

Skin corrosion/Irritation: Not classified

Serious eye damage/irritation: Not classified

Respiratory or skin sensitization: Not classified

Germ cell mutagenicity: May cause genetic defects.

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

STOT- single exposure: Not classified

STOT-repeated exposure: Not classified

Aspiration hazard: Not classified

Section 12 Ecological Information

Ecotoxicity

Sulfonic acids, petroleum, sodium salts (CAS#68608-26-4)

LC50 (Fish, 96h) Not available

EC50 (Daphnia, 48h) >1000 mg/L

EC50 (Algae, 72h): >1000 mg/L

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

Section 13 Disposal Considerations

Residual waste Recycling as much as possible. If recycling is not possible, use incineration methods for disposal. Do not dispose of this product by means of discharge to the sewer.

Contaminated packaging Empty containers or pads may retain some product residue, so beware of label warnings even when empty containers. These materials and their containers must be disposed of in a safe manner. Empty containers should be returned to the manufacturer or sent to a national / local approved waste disposal site.

Local disposal regulations Waste disposal should refer to the relevant national and local laws and regulations, the waste chemicals for recycling, or packed in sealed containers, to a special waste disposal sites.

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Section 14 Transport Information

UN Number: UN1950
UN Proper shipping name: AEROSOLS
Transport hazard Class: 2.1
Packaging group: -
Marine pollutant (yes/no): No
Transport special precautions:

- Grounding chains should be equipped with tank or car during transportation, hole plate can be set in the tank to prevent static electricity generated by shaking;
- Exhaust pipe of the vehicle which transports this product shall be equipped with fireproofing equipment, Do not handle with the machinery or tools which may produce spark easily;
- Do not package or transport with oxidant, food chemicals or others;
- Prevent from sunlight exposure, rain and heat during transportation, in summer, best to transport in the morning or evening;
- Keep away from fire, heat source and high temperature when stops on the way;
- Follow the route as prescribed during highway transportation, do not stay in residential areas and densely populated area;
- Prohibit humping in railway transportation;
- Transport vehicles should be equipped with corresponding fire equipment and spill contingency processing equipment.

15.Regulatory Information

The following laws, regulations, rules and standards, provide corresponding provisions of the management of chemicals:

Name	Relevant Inventories	Listed Or Not
Measures On Safety Management Of Hazardous Chemicals	Inventory Of Hazardous Chemicals	Listed
	The First Batch Of Key Regulatory List Of Hazardous Chemicals	LPG listed, other not listed
Measures On New Substance Environmental Management	The Inventory Of Existing Chemical Substance In China	Listed
Provisions On Environmental Management Of First Import And Export Of Toxic Chemicals	China Strictly Restricted List Of Import And Export Of Toxic Chemicals	Not listed

Section 16 Other Information

Indication of changes:

Version 1.0 Amended by GB/T16483 and GB/T 17519.

Abbreviations:

CAS: Chemical Abstracts Service
LC50: Lethal Concentration 50
EC50: Concentration for 50% of maximal effect
LD50: Lethal dose 50%
PC-TWA: time-weighted average allowable concentration, average allowable concentration in 8h working day, 40h work week.
PC-STEL: Short-Term Exposure Tolerance, the concentration allowed to be exposed in short-term (15 minutes).
IARC: International Agency for Research on Cancer
ACGIH: US Government Conference of Industrial Hygienists

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

IMDG: International Maritime Dangerous Goods

EINECS: European Inventory of Existing commercial Chemical Substances

IATA: International Air Transport Association

ICAO-TI: International Civil Aviation Organization The International Civil Aviation Covenant

Disclaimer:

The information in this Safety Data Sheet (SDS) applies only to the products specified and does not apply to mixtures containing this product with other substances, unless otherwise specified. This Safety Data Sheet (SDS) is based on information currently available in all its aspects and will not be held responsible for its long-term timeliness. This Safety Data Sheet (SDS) provides information about the safety of the product for the intended purpose only to appropriately trained personnel operating the product. Users of this SDS must make independent judgments on the suitability of this SDS for special conditions of use. Under special conditions of use, the SDS author will not be responsible for the damage caused by the use of this Safety Data Sheet (SDS). Each user of the product should read carefully the contents of this Safety Data Sheet (SDS) before proceeding. For more information to ensure correct evaluation, please contact the product supplier.