

MATERIAL SAFETY DATA SHEET

Regulation (EC) No 1907/2006 (REACH), Annex II
(COMMISSION REGULATION (EU) No 453/2010)

Version 1

Product Name Multi-purpose antirust lubricant

Issue Date 04-Sep-2014

Revision date 04-Sep-2014

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

1.1. Product identifier

Product Name Multi-purpose antirust lubricant
REACH registration number No information available

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

Recommended Use Anti-rust lubricant is a multi-functional product, featuring in anti-rust, penetration and remove rust, lubrication, dehumidification, cleaning and corrosion prevention, it can apply on automotive, industrial machinery and tools for removal of oil contaminant provide lubrication, anti-rust, corrosion prevention, and dehumidification. Besides it can apply on household and office appliance for the removal of loose rust and rust knot, provide lubrication and reduce noise with superior effect.

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Supplier GUANGZHOU VESLEE CHEMICAL SCIENCE AND TECHNOLOGY CO.,LTD
Address Room 322-323,JINZHONG.MINGPINHUI Auto Accessory Plaza, No.36 Yongfu Road, Guangzhou, China
Postal Code 511365
Phone +86-20-37657898
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1.4. Emergency telephone number

+86-20-37657898

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

LIQUID (Flammable liquid)Category1(H222)
Germ cell mutagenicity Category 1B - (H340)
Carcinogenicity Category 1B - (H350)
Reproductive Toxicity Category 2 - (H361)
Aspiration toxicity Category 1 - (H304)

Classification according to Directive 67/548/EEC or 1999/45/EC

Xn - Harmful
F+ - Extremely flammable
F+; R12
Carcinogenic, Category 1; R45
Mutagenic Category 2; R46
Xn; R65
Toxic for reproduction Category 3; R63

2.2. Label elements

Symbols/Pictograms



Signal word

Danger

Hazard Statements

H222 - Extremely flammable liquid
 H304 - May be fatal if swallowed and enters airways
 H340 - May cause genetic defects
 H350 - May cause cancer

Precautionary Statements

H361 - Suspected of damaging fertility or the unborn child
 P264 - Wash face, hands and any exposed skin thoroughly after handling
 P273 - Avoid release to the environment
 P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
 P331 - Do NOT induce vomiting
 P405 - Store locked up
 P501 - Dispose of contents/ container to an approved waste disposal plant
 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 - 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

2.3. Other hazards

No information available

SECTION 3: Composition/information on ingredients**3.1. Mixture**

Chemical Name	EC No	CAS No	Weight-%	Classification according to Directive 67/548/EEC or 1999/45/EC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Kerosene	232-366-4	8008-20-6	50-60	Xn; R65	Asp. Tox. 1 (H304)
Petroleum distillates	270-704-2	68476-85-7	20-30	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	Muta. 1B (H340) Carc. 1B (H350) Flam. Gas 1 (H220) Press. Gas
Motor oil	-	-	10-15	Not classified	Not classified
Emulsifier	-	-	3-8	Not classified	Not classified
Toluene	203-625-9	108-88-3	3-5	F; R11 Xi; R38 Xn; R48/20-65 Repr. Cat. 3; R63 R67	Skin Irrit. 2 (H315) Repr. 2 (H361d) STOT SE 3 (H336) STOT RE 2 (H373) Asp. Tox. 1 (H304) Flam. Liq. 2 (H225)
Barium alkyl sulfonate	-	-	3-4	Not classified	Not classified
Antirust	-	-	1-3	Not classified	Not classified
Perfume	-	-	1-2	Not classified	Not classified

SECTION 4: First aid measures**4.1. Description of first aid measures****General advice**

Remove contaminated clothing and shoes. If symptoms persist, call a physician.

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

Skin Contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.

Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion

Rinse mouth. If swallowed, call a poison control center or physician immediately.

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

May be fatal if swallowed and enters airways. May cause genetic defects. May cause cancer. Suspected of damaging fertility or the unborn child.

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

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

No information available

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating and toxic gases and vapors

5.3. Advice for firefighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation, especially in confined areas

Avoid contact with skin, eyes or clothing

Avoid breathing vapors or mists

Use personal protection recommended in Section 8

6.2. Environmental precautions

Do not allow into any sewer, on the ground or into any body of water

6.3. Methods and material for containment and cleaning up

Prevent further leakage or spillage if safe to do so

Absorb spillage to prevent material damage

Ventilation

6.4. Reference to other sections

See Section 7 for more information

See section 8 for more information

See section 13 for more information

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice
 Ensure adequate ventilation, especially in confined areas
 Avoid contact with skin, eyes or clothing
 Wash contaminated clothing before reuse
 Remove all sources of ignition
 Wash thoroughly after handling
 Do not eat, drink or smoke when using this product
 Use personal protection recommended in Section 8
 Do not puncture or incinerate cans

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place
 Keep away from heat
 Keep locked up and out of reach of children
 Keep away from food, drink and animal feeding stuffs
 Store in accordance with local regulations

7.3. Specific end use(s)

Apart from the uses mentioned in SECTION 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Chemical Name	Australia	Austria	Belgium	Denmark	European Union
Petroleum distillates (CAS #: 68476-85-7)	1000 ppm 1800 mg/m ³	-	-	-	-
Toluene (CAS #: 108-88-3)	50 ppm 191 mg/m ³ 150 ppm STEL 574 mg/m ³ STEL Skin	Skin STEL 100 ppm STEL 380 mg/m ³ TWA: 50 ppm TWA: 190 mg/m ³	-	TWA: 25 ppm TWA: 94 mg/m ³ Skin	TWA: 50 ppm TWA: 192 mg/m ³ Skin

Chemical Name	Latvia	France	Finland	Germany	Italy
Toluene (CAS #: 108-88-3)	TWA: 14 ppm TWA: 50 mg/m ³ STEL: 40 ppm STEL: 150 mg/m ³ Skin	TWA: 20 ppm TWA: 76.8 mg/m ³ TWA: 1000 mg/m ³ STEL: 100 ppm STEL: 384 mg/m ³ STEL: 1500 mg/m ³	TWA: 25 ppm TWA: 81 mg/m ³ STEL: 100 ppm STEL: 380 mg/m ³ Skin	TWA: 50 ppm TWA: 190 mg/m ³ Ceiling / Peak: 200 ppm Ceiling / Peak: 760 mg/m ³ Skin	TWA: 50 ppm TWA: 192 mg/m ³ Skin

Chemical Name	Poland	Portugal	Spain	Switzerland	Netherlands
Kerosene (CAS #: 8008-20-6)	STEL: 300 mg/m ³ TWA: 100 mg/m ³	TWA: 200 ppm	S*	-	-
Petroleum distillates (CAS #: 68476-85-7)	-	TWA: 1000 ppm	TWA: 1000 ppm	-	-
Toluene (CAS #: 108-88-3)	STEL: 200 mg/m ³ TWA: 100 mg/m ³	TWA: 50 ppm	S* STEL: 100 ppm STEL: 384 mg/m ³ TWA: 50 ppm TWA: 192 mg/m ³	Skin STEL: 200 ppm STEL: 760 mg/m ³ TWA: 50 ppm TWA: 190 mg/m ³	STEL: 384 mg/m ³ TWA: 150 mg/m ³

Chemical Name	Norway	United Kingdom	ACGIH TLV	OSHA PEL	NIOSH IDLH
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Kerosene (CAS #: 8008-20-6)	-	-	TWA: 200 mg/m ³ total hydrocarbon vapor application restricted to conditions in which there are negligible aerosol exposures S*	-	TWA: 100 mg/m ³
Petroleum distillates (CAS #: 68476-85-7)	-	STEL: 1250 ppm STEL: 2180 mg/m ³ TWA: 1000 ppm TWA: 1750 mg/m ³	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m ³ (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m ³	IDLH: 2000 ppm TWA: 1000 ppm TWA: 1800 mg/m ³
Toluene (CAS #: 108-88-3)	TWA: 25 ppm TWA: 94 mg/m ³ Skin STEL: 37.5 ppm STEL: 141 mg/m ³	STEL: 100 ppm STEL: 384 mg/m ³ TWA: 50 ppm TWA: 191 mg/m ³ Skin	TWA: 20 ppm	TWA: 200 ppm (vacated) TWA: 100 ppm (vacated) TWA: 375 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 560 mg/m ³ Ceiling: 300 ppm	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 560 mg/m ³

Derived No Effect Level (DNEL)

No information available.

Predicted No Effect Concentration (PNEC)

No information available.

8.2. Exposure controls**Engineering Controls**

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/face protection	Wear safety glasses with side shields (or goggles)
Hand Protection	Wear protective gloves
Skin and body protection	Suitable protective clothing
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment

Environmental exposure controls

Do not allow into any sewer, on the ground or into any body of water

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Appearance	LIQUID (Flammable liquid)
Color	Brown transparent
Odor	Fragrance
Odor Threshold	Not determined
pH	Not determined
Melting point/freezing point	Not determined
Boiling point / boiling range	Not determined
Flash point	Not determined
Evaporation rate	Not determined
Flammability	Extremely flammable aerosol
Flammability Limit in Air	Not determined
Vapor Pressure	Not determined
Vapor density	Not determined
Density	0.68±0.01 g/cm ³
Relative density	Not determined

Bulk density	Not determined
Specific gravity	Not determined
Water solubility	Insoluble in water
Partition coefficient	Petroleum distillates (CAS #: 68476-85-7): 2.8 Toluene (CAS #: 108-88-3): 2.65
Autoignition temperature	Not determined
Decomposition temperature	Not determined
Kinematic viscosity	Not determined
Dynamic viscosity	Not determined
Explosive properties	Not an explosive
Oxidizing properties	Not determined

9.2. Other information

No information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

No information available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Risk of explosion if heated under confinement.

10.4. Conditions to avoid

Heat, flames and sparks

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

None under normal use conditions

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Kerosene (CAS #: 8008-20-6)	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.28 mg/L (Rat) 4 h
Toluene (CAS #: 108-88-3)	-	= 8390 mg/kg (Rabbit)	= 12.5 mg/L (Rat) 4 h > 26700 ppm (Rat) 1 h

Skin corrosion/irritation

No skin irritation.

Serious eye damage/eye irritation

No eye irritation.

Sensitization

Not classified.

Germ cell mutagenicity

May be fatal if swallowed and enters airways

Carcinogenicity

May cause cancer

Chemical Name	European Union	IARC
Kerosene (CAS #: 8008-20-6)	-	Group 3
Petroleum distillates (CAS #: 68476-85-7)	Carc. 1B	-
Toluene (CAS #: 108-88-3)	-	Group 3

Reproductive toxicity

Suspected of damaging fertility or the unborn child

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

Aspiration hazard

May be fatal if swallowed and enters airways

SECTION 12: Ecological information**12.1. Toxicity**

Chemical Name	Algae/aquatic plants EC50	Fish LC50	Crustacea EC50
Toluene (CAS #: 108-88-3)	433: 96 h Pseudokirchneriella subcapitata mg/L 12.5: 72 h Pseudokirchneriella subcapitata mg/L static	15.22 - 19.05: 96 h Pimephales promelas mg/L flow-through 12.6: 96 h Pimephales promelas mg/L static 5.89 - 7.81: 96 h Oncorhynchus mykiss mg/L flow-through 14.1 - 17.16: 96 h Oncorhynchus mykiss mg/L static 5.8: 96 h Oncorhynchus mykiss mg/L semi-static 11.0 - 15.0: 96 h Lepomis macrochirus mg/L static 54: 96 h Oryzias latipes mg/L static 28.2: 96 h Poecilia reticulata mg/L semi-static 50.87 - 70.34: 96 h Poecilia reticulata mg/L static	5.46 - 9.83: 48 h Daphnia magna mg/L Static 11.5: 48 h Daphnia magna mg/L

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

Chemical Name	Partition coefficient
Petroleum distillates (CAS #: 68476-85-7)	2.8
Toluene (CAS #: 108-88-3)	2.65

12.4. Mobility in soil

No information available

12.5. Results of PBT and vPvB assessment

PBT/vPvB assessment information is not available as chemical safety assessment not conducted.

12.6. Other adverse effects

No information available

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Waste from residues/unused products Disposal should be in accordance with applicable regional, national and local laws and regulations

Contaminated packaging Empty containers should be taken for local recycling, recovery or waste disposal.

SECTION 14: Transport information**14.1 UN Number**

1263

14.2 Proper shipping name PAINT (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)

14.3 Hazard Class

3

14.4 Packing Group

III

14.5 Environmental hazards

Not marine pollutant

14.6 Special precautions

No information available

14.7 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**
European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Take note of Directive 94/33/EC on the protection of young people at work

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

International Inventories

Component	TSCA	DSL/NDSL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	AICS
Kerosene 8008-20-6 (50-60)	X	X	X	X	X	X	X	X
Petroleum distillates 68476-85-7 (20-30)	X	X	X	-	X	X	X	X
Toluene 108-88-3 (3-5)	X	X	X	X	X	X	X	X

"- " Not Listed

"X" Listed

15.2. Chemical safety assessment

No information available

SECTION 16: Other information

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

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Revision Note Not applicable

Key or legend to abbreviations and acronyms used in the safety data sheet

TWA - TWA (time-weighted average)

STEL - STEL (Short Term Exposure Limit)

Ceiling - Maximum limit value

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

Full text of H-Statements referred to under section 3

H315 - Causes skin irritation

H361d - Suspected of damaging the unborn child

H336 - May cause drowsiness or dizziness

H373 - May cause damage to organs through prolonged or repeated exposure if inhaled

H304 - May be fatal if swallowed and enters airways

H225 - Highly flammable liquid and vapor

H340 - May cause genetic defects if inhaled

H350 - May cause cancer if swallowed

H220 - Extremely flammable gas

Full text of R-phrases referred to under sections 2 and 3

R12 - Extremely flammable

R45 - May cause cancer

R46 - May cause heritable genetic damage

R63 - Possible risk of harm to the unborn child

R65 - Harmful: may cause lung damage if swallowed

R38 - Irritating to skin

R11 - Highly flammable

R67 - Vapors may cause drowsiness and dizziness

R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

----- End of Material Safety Data Sheet -----