

Safety Data Sheet

acc. to OSHA HCS

Printing date 08/10/2015

Reviewed on 08/10/2015

1 Identification

- **Product identifier**
- **Trade name: Drislide Multi-Purpose Lubricant-Liquid**
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Lubricant
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Cortec Corporation
4119 White Bear Parkway
St. Paul, MN 55110 USA
Phone (651) 429-1100
Fax (651) 429-1122
- **Information department:**
regulatory@cortecvci.com
Product safety department.
- **Emergency telephone number:**
Spill, Leak, Fire, Exposure, or Accident
24 hour CHEMTREC contact:
USA and Canada 1-800-424-9300
International +1 703-527-3887 (collect calls accepted)

2 Hazard(s) identification

Classification of the substance or mixture



GHS02 Flame

Flam. Liq. 3 H226 Flammable liquid and vapor.



GHS08 Health hazard

Carc. 1B H350 May cause cancer.

STOT RE 1 H372 Causes damage to the central nervous system through prolonged or repeated exposure.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS07

Acute Tox. 4 H332 Harmful if inhaled.

Label elements

- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms



GHS02



GHS07



GHS08

- **Signal word** Danger

(Contd. on page 2)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 08/10/2015

Reviewed on 08/10/2015

Trade name: Drislide Multi-Purpose Lubricant-Liquid

(Contd. of page 1)

- **Hazard-determining components of labeling:**

Solvent naphtha (petroleum), medium aliph.
Process oil

- **Hazard statements**

Flammable liquid and vapor.
Harmful if inhaled.
May cause cancer.
Causes damage to the central nervous system through prolonged or repeated exposure.
May be fatal if swallowed and enters airways.

- **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Use explosion-proof electrical/ventilating/lighting/equipment.
If swallowed: Immediately call a poison center/doctor.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**

- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 64742-88-7 EINECS: 265-191-7	Solvent naphtha (petroleum), medium aliph. ☠ STOT RE 1, H372; Asp. Tox. 1, H304; Flam. Liq. 4, H227	50-100%
CAS: 64742-53-6 EINECS: 265-156-6	Process oil ☠ Carc. 1B, H350	≤ 2.5%
CAS: 68649-42-3 EINECS: 272-028-3	Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts ☹ Eye Dam. 1, H318; ☠ Skin Irrit. 2, H315	≤ 2.5%

- **Additional information**

Molybdenum Disulfide is present at 2.5-10%
For the wording of the listed risk phrases refer to section 16.

4 First-aid measures

- **Description of first aid measures**

- **After inhalation** Supply fresh air; consult doctor in case of complaints.
- **After skin contact** Immediately rinse with water.
- **After eye contact** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing**
If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label
- **Information for doctor**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

USA

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing date 08/10/2015

Reviewed on 08/10/2015

Trade name: Drislide Multi-Purpose Lubricant-Liquid

(Contd. of page 2)

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents**



CO₂, sand, extinguishing powder. Do not use water.

- **For safety reasons unsuitable extinguishing agents**
Water.
Water with full jet.
- **Special hazards arising from the substance or mixture**
In certain fire conditions, traces of other toxic gases cannot be excluded.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**



Wear protective equipment. Keep unprotected persons away.

- Ensure adequate ventilation
- Keep away from ignition sources
- **Environmental precautions:** Do not allow undiluted product to enter sewers/surface or ground water
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents
- **Reference to other sections**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about protection against explosions and fires:**



Keep ignition sources away - Do not smoke.

- Protect against electrostatic charges.
- Use explosion-proof apparatus / fittings and spark-proof tools.

(Contd. on page 4)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 08/10/2015

Reviewed on 08/10/2015

Trade name: Drislide Multi-Purpose Lubricant-Liquid

(Contd. of page 3)

- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:**
Use only receptacles specifically permitted for this substance/product.
- **Information about storage in one common storage facility:**
Store away from foodstuffs.
Store away from oxidizing agents.
- **Further information about storage conditions:**
Keep receptacle tightly sealed.
Protect from heat and direct sunlight.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
- **Breathing equipment:**



Use suitable respiratory protective device in case of insufficient ventilation.

- **Protection of hands:**
Protective gloves
I.E., Nitrile, Viton, Neoprene
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Tightly sealed goggles.
- **Body protection:** Protective work clothing.

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
Form: Liquid

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Printing date 08/10/2015

Reviewed on 08/10/2015

Trade name: Drislide Multi-Purpose Lubricant-Liquid

(Contd. of page 4)

Color:	Black
· Odor:	Characteristic
· Odour threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
Melting point/Melting range:	undetermined
Boiling point/Boiling range:	> 260 °C (> 500 °F)
· Flash point:	46 °C (115 °F)
· Flammability (solid, gaseous)	Not applicable.
· Ignition temperature:	265 °C (509 °F)
· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· Explosion limits:	
Lower:	0.6 Vol %
Upper:	6.5 Vol %
· Vapor pressure at 20 °C (68 °F):	6.6 hPa (5 mm Hg)
· Density at 20 °C (68 °F):	0.85-0.89 g/cm ³ (7.093-7.427 lbs/gal)
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with Water:	Not miscible or difficult to mix
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
dynamic:	Not determined.
kinematic:	Not determined.
· Solvent content:	
Organic solvents:	75-80 %
· Solids content:	20-25 %
· Other information	VOC: 0.72 g/cm ³ (6.01 lb/gal) The above data are typical values and do not constitute a specification. Vapor pressure data are calculated unless otherwise noted.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.

(Contd. on page 6)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 08/10/2015

Reviewed on 08/10/2015

Trade name: Drislide Multi-Purpose Lubricant-Liquid

· **Hazardous decomposition products:** No dangerous decomposition products known

(Contd. of page 5)

11 Toxicological information

· **Information on toxicological effects**

· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

64742-88-7 Solvent naphtha (petroleum), medium aliph.

Oral	LD50	>6500 mg/kg (rat)
Dermal	LD50	>3000 mg/kg (rab)
Inhalative	LC50/4 h	>14 mg/l (rat)

64742-53-6 Process oil

Oral	LD50	>2000 mg/kg (rat)
------	------	-------------------

· **Primary irritant effect:**

· **on the skin:** Repeated or prolonged skin contact with this product may produce skin irritation.

· **on the eye:** May be irritating.

· **Sensitization:** No sensitizing effects known.

· **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

IARC Category 3 : Not classifiable as to its carcinogenicity to humans

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

· **Toxicity**

· **Aquatic toxicity:** No further relevant information available.

· **Persistence and degradability** No further relevant information available.

· **Behavior in environmental systems:**

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· **Additional ecological information:**

· **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects** No further relevant information available.

USA

(Contd. on page 7)

Safety Data Sheet

acc. to OSHA HCS

Printing date 08/10/2015

Reviewed on 08/10/2015

Trade name: Drislide Multi-Purpose Lubricant-Liquid

(Contd. of page 6)

13 Disposal considerations



- Waste treatment methods
- Recommendation



Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- Uncleaned packagings:
- Recommendation: Disposal must be made according to official regulations.

14 Transport information

<ul style="list-style-type: none"> · UN-Number · DOT, IMDG, IATA · ADR 	<p>UN1300 UN1300 Not applicable</p>
<ul style="list-style-type: none"> · UN proper shipping name · DOT · ADR · IMDG, IATA 	<p>Turpentine substitute 1300 Turpentine substitute TURPENTINE SUBSTITUTE</p>
<ul style="list-style-type: none"> · Transport hazard class(es) · DOT 	<p></p>
<ul style="list-style-type: none"> · Class · Label 	<p>3 Flammable liquids 3</p>
<ul style="list-style-type: none"> · ADR, IMDG, IATA 	<p></p>
<ul style="list-style-type: none"> · Class · Label 	<p>3 Flammable liquids 3</p>
<ul style="list-style-type: none"> · Packing group · DOT, ADR, IMDG, IATA 	<p>III</p>
<ul style="list-style-type: none"> · Environmental hazards: · Marine pollutant: 	<p>No</p>
<ul style="list-style-type: none"> · Special precautions for user · Danger code (Kemler): · EMS Number: 	<p>Warning: Flammable liquids 30 F-E,S-E</p>
<ul style="list-style-type: none"> · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code 	<p>Not applicable.</p>

(Contd. on page 8)

Safety Data Sheet

acc. to OSHA HCS

Printing date 08/10/2015

Reviewed on 08/10/2015

Trade name: Drislide Multi-Purpose Lubricant-Liquid

(Contd. of page 7)

· Transport/Additional information:
· ADR
· Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

· IMDG
· Limited quantities (LQ)

5L

· Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

· UN "Model Regulation":

UN1300, Turpentine substitute, 3, III

15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture
· SARA Section 355 (extremely hazardous substances)

None of the ingredients is listed.

· SARA Section 313 (specific toxic chemical listings)

None of the ingredients is listed.

· TSCA (Toxic Substances Control Act) (-)

All ingredients are listed.

· Prop 65 - Chemicals known to cause cancer

None of the ingredients is listed.

· Cancerogenity categories
· EPA (Environmental Protection Agency)

None of the ingredients is listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

· Canadian Domestic Substances List (DSL) (-)

All ingredients are listed.

· Philippines Inventory of Chemicals and Chemical Substances (-)

All ingredients are listed.

· Chinese Chemical Inventory of Existing Chemical Substances (-)

All ingredients are listed.

· Australian Inventory of Chemical Substances (-)

All ingredients are listed.

· New Zealand Inventory of Chemicals (-)

All ingredients are listed.

· Existing Chemical Substances (-)

Solvent naphtha (petroleum), medium aliph.

Graphite

1-481

Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts

· GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).

(Contd. on page 9)

Safety Data Sheet

acc. to OSHA HCS

Printing date 08/10/2015

Reviewed on 08/10/2015

Trade name: Drislide Multi-Purpose Lubricant-Liquid

(Contd. of page 8)

· **Hazard pictograms**



GHS02 GHS07 GHS08

· **Signal word** Danger

· **Hazard-determining components of labeling:**

Solvent naphtha (petroleum), medium aliph.
Process oil

· **Hazard statements**

Flammable liquid and vapor.
Harmful if inhaled.
May cause cancer.
Causes damage to the central nervous system through prolonged or repeated exposure.
May be fatal if swallowed and enters airways.

· **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Use explosion-proof electrical/ventilating/lighting/equipment.
If swallowed: Immediately call a poison center/doctor.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

· **National regulations**

· **Technical instructions (air):**

Class	Share in %
NK	77.0

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
Cortec Corporation does not warranty any translation of this SDS not created by Cortec Corporation.

· **Date of preparation / last revision** 08/10/2015 / -

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 3: Flammable liquids, Hazard Category 3
Flam. Liq. 4: Flammable liquids, Hazard Category 4
Acute Tox. 4: Acute toxicity, Hazard Category 4
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
Carc. 1B: Carcinogenicity, Hazard Category 1B

(Contd. on page 10)

Safety Data Sheet

acc. to OSHA HCS

Printing date 08/10/2015

Reviewed on 08/10/2015

Trade name: Drislide Multi-Purpose Lubricant-Liquid

STOT RE 1: Specific target organ toxicity - Repeated exposure, Hazard Category 1
Asp. Tox. 1: Aspiration hazard, Hazard Category 1

(Contd. of page 9)

USA