

1 Identification of substance

- **Product details:**
- **Trade name:** Slip-Ayd SL 523
- **Article number:** 5523
- **Application of the substance / the preparation** Lubricant
- **Manufacturer/Supplier:**
Elementis Specialties
p/a Elementis Service Centre N.V.
Pegasus Park
De Kleetlaan 12A - P.O. Box 3
B-1831 Diegem, Belgium
Tel: +32 (0) 2 790 76 00
Fax: +32 (0) 2 790 76 60
- **Informing department:**
Elementis Specialties
400 Claremont Avenue
Jersey City, NJ 07304
USA
Tel.: +1 201-432-0800
- **Emergency information:** Chemtrec +1-800-424-9300

2 Composition/Data on components

- **Chemical characterization:**
- **Description:** Mixture of the substances listed below with harmless additions

- **Dangerous components:**

CAS: 67-63-0	propan-2-ol	Xi, F; R 11-36-67	50-100%
EINECS: 200-661-7			

- **Additional information:**
For components with critical values that require monitoring at the workplace see Section 8
For the wording of the listed risk phrases refer to section 16.

3 Hazards identification

- **Hazard designation:**
Xi Irritant
F Highly flammable
- **Information pertaining to particular hazards for man and environment:**
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
R 11 Highly flammable.
R 36 Irritating to eyes.
- **Classification system:**
The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

4 First aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact:** Wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- **After swallowing:** In case of persistent symptoms consult doctor.

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5 Fire fighting measures

- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water jet. Fight larger fire with alcohol-resistant foam.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:**
Keep away from ignition sources
Product forms slippery surface when combined with water.
Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:**
Prevent material from reaching sewage system, holes and cellars.
Dilute with much water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
- **Additional information:**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

7 Handling and storage

- **Handling:**
- **Information for safe handling:** Avoid high dust concentrations.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **Storage:**
- **Requirements to be met by storerooms and containers:** Store in cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep container tightly sealed.
Store in cool, dry conditions in well sealed containers.

* 8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

- **Components with critical values that require monitoring at the workplace:**

67-63-0 propan-2-ol

OES	Short-term value: 1250 mg/m ³ , 500 ppm
	Long-term value: 999 mg/m ³ , 400 ppm

- **Additional information:** The lists that were valid during the compilation were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and food.
Instantly remove any soiled and impregnated garments.
Wash hands during breaks and at the end of the work.
Avoid contact with the eyes.
Avoid contact with the eyes and skin.
- **Breathing equipment:** Filter P1.
- **Protection of hands:**
Protective gloves.

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The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **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 safety glasses.

· **Body protection:** Protective work clothing.

9 Physical and chemical properties

· **General Information**

Form:	Liquid
Colour:	Whitish
Smell:	Odourless

· **Change in condition:**

Melting point/Melting range: Not determined

Boiling point/Boiling range: 81°C

· **Flash point:** 17°C

· **Ignition temperature:** 300.0°C

· **Self-flammability:** Product is not selfigniting.

· **Danger of explosion:** liable to dust explosion

· **Critical values for explosion:**

Lower:	2.0 Vol %
Upper:	12.0 Vol %

· **Steam pressure at 20°C:** 48.0 hPa

· **Density at 20°C:** 0.800 g/cm³

· **Solubility in / Miscibility with**

Water: Fully miscible

· **Solvent content:**

Organic solvents: 82.0 %

· **Solids content:** 18.0 %

10 Stability and reactivity

· **Thermal decomposition / Conditions to be avoided:** No decomposition if used according to specifications.

· **Dangerous reactions:** No dangerous reactions known

· **Dangerous products of decomposition:** No dangerous decomposition products known

11 Toxicological information

· **Acute toxicity:**

· **Primary irritant effect:**

· **on the skin:** No irritant effect.

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- **on the eye:** Irritant effect.
- **Sensitization:** No sensitizing effect known.
- **Additional toxicological information:**

As with any nuisance dust, long-term exposure to concentrations of dust above the recommended exposure level may overload lung clearance mechanism and cause adverse lung effects.

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

Irritant

12 Ecological information

- **General notes:**

Water Hazard class 1: slightly hazardous for water.

Do not allow undiluted product or large quantities of it to penetrate into ground water, water bodies or sewage system.

13 Disposal considerations

- **Product:**

- **Recommendation:**

Must be specially treated under adherence to official regulations.

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

- **European waste catalogue**

07 00 00	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 01 00	wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals
07 01 99	wastes not otherwise specified

- **Uncleaned packagings:**

- **Recommendation:** Dispose of packaging according to regulations on the disposal of packagings.

- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

14 Transport information

- **Land transport ADR/RID and GGVS/GGVE (cross-border/domestic):**

- **ADR/RID-GGVS/E Class:** 3 Flammable liquids.

- **Kemler Number:** 33

- **UN-Number:** 1993

- **Packaging group:** II

- **Label:** 3

- **Designation of goods:** 1993 FLAMMABLE LIQUID, N.O.S. (vapor pressure at 50°C at most 110 kPa) (ISOPROPANOL (ISOPROPYL ALCOHOL))

- **IMDG/GGVSea Class:** 3

- **UN Number:** 1993

- **Label:** 3

- **Packaging group:** II

- **EMS Number:** F-E,S-E

- **Marine pollutant:** No

- **Correct technical name:** FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL))

- **ICAO/IATA Class:** 3

- **UN/ID Number:** 1993

- **Label:** 3

- **Packaging group:** II

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· **Correct technical name:** FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL))

15 Regulatory information

- **Designation according to EC guidelines:**
 - **Code letter and hazard designation of product:**
Xi Irritant
F Highly flammable
 - **Risk phrases:**
11 Highly flammable.
36 Irritating to eyes.
 - **Safety phrases:**
7/9 Keep container tightly closed and in a well-ventilated place.
16 Keep away from sources of ignition - No smoking.
24/25 Avoid contact with skin and eyes.
60 This material and its container must be disposed of as hazardous waste.
 - **National regulations:**
 - **Technical instructions (air):**
- | Class | Share in %: |
|-------|-------------|
| III | 82.0 |
- **Water hazard class:** Water hazard class 1: slightly hazardous for water.
 - **Other regulations, limitations and prohibitive regulations:**
 - **EU-VOC:** 656.0 g/l
 - **EU-VOC(%):** 82.00 %
 - **US-VOC:** 0.82 kg/l / 6.84 lb/gal
 - **Swiss-VOC:** 82.00 %

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

- **Relevant R-phrases**
11 Highly flammable.
36 Irritating to eyes.
67 Vapours may cause drowsiness and dizziness.
- **Contact:**
HS&E Department
tel: +32 (0)2 790 76 32
fax: +32 (0)2 790 76 61
- *** Data compared to the previous version altered.**