

1 Identification of substance

- **Product details:**
- **Trade name:** Slip-Ayd® SL 551
- **Article number:** 10542
- **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
Product_Stewardship@elementis.com
- **Emergency information:**
Tel.: +32 3 575 55 55 (SGS)
Chemtrec:(+1)-800-424-9300

2 Hazards identification

- **Hazard designation:**
Xn Harmful
N Dangerous for the environment
- **Information pertaining to particular hazards for man and environment:**
Flammable
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 10 Flammable.
R 20/22 Harmful by inhalation and if swallowed.
R 37/38 Irritating to respiratory system and skin.
R 41 Risk of serious damage to eyes.
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **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.

3 Composition/information on ingredients

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

· **Dangerous components:**

CAS: 64742-95-6 EINECS: 265-199-0	Solvent naphtha (petroleum), light arom.	Xn, Xi, N; R 10-37-51/53-65	25-50%
CAS: 95-63-6 EINECS: 202-436-9	1,2,4-trimethylbenzene	Xn, Xi, N; R 10-20-36/37/38-51/53	10-25%
CAS: 71-36-3 EINECS: 200-751-6	butan-1-ol	Xn, Xi; R 10-22-37/38-41-67	10-25%

(Contd. on page 2)

Trade name: Slip-Ayd® SL 551

(Contd. of page 1)

CAS: 108-67-8 EINECS: 203-604-4	mesitylene	Xi, N; R 10-37-51/53	2.5-10%
CAS: 25340-17-4 EINECS: 246-874-9	diethylbenzene	R 10	< 2.0%
CAS: 98-82-8 EINECS: 202-704-5	isopropylbenzene	Xn, Xi, N; R 10-37-51/53-65	< 1.0%

· **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.

4 First aid measures

· **General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· **After inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness bring patient into stable side position for transport.

· **After skin contact:** Wash with water and soap and rinse thoroughly.

· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult doctor.

· **After swallowing:** Instantly call for doctor.

5 Fire fighting measures

· **Suitable extinguishing agents:** CO₂, sand, extinguishing powder. Do not use water.

· **For safety reasons unsuitable extinguishing agents:** Water with a full water jet.

· **Protective equipment:** Put on breathing apparatus.

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:**

Inform respective authorities in case product reaches water or sewage system.

· **Measures for cleaning/collecting:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of contaminated material as waste according to item 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

· **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:** Ensure good ventilation/exhaustion at the workplace.

· **Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

(Contd. on page 3)

Trade name: Slip-Ayd® SL 551

(Contd. of page 2)

- **Storage:**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.

* 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:**

95-63-6 1,2,4-trimethylbenzene

WEL	Long-term value: 125 mg/m ³ , 25 ppm
ILV	

71-36-3 butan-1-ol

WEL	Short-term value: 154 mg/m ³ , 50 ppm
Sk	

108-67-8 mesitylene

WEL	Long-term value: 125 mg/m ³ , 25 ppm
ILV	

- **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 and skin.

- **Breathing equipment:**

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

- **Protection of hands:**

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

Impervious gloves

- **Material of gloves**

Nitrile rubber, NBR

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:	Strong

- **Change in condition:**

Boiling point/Boiling range: 118°C

(Contd. on page 4)

Trade name: Slip-Ayd® SL 551

(Contd. of page 3)

· Flash point:	36°C
· Ignition temperature:	340°C
· Self-flammability:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/steam mixtures is possible.
· Critical values for explosion:	
Lower:	0.8 Vol %
Upper:	9.4 Vol %
· Steam pressure at 20°C:	5.6 hPa
· Density at 20°C:	0.89 g/cm ³
· Solubility in / Miscibility with Water:	Not miscible or difficult to mix
· Solvent content:	
Organic solvents:	81.3 %
· Solids content:	18.5 %

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:**

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

64742-95-6 Solvent naphtha (petroleum), light arom.

Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)
Inhalative	LC50/4 h	- mg/l (rat)

- **Primary irritant effect:**
- **on the skin:** Irritant for skin and mucous membranes.
- **on the eye:** Strong irritant with the danger of severe eye injury.
- **Sensitization:** No sensitizing effect known.

- **Additional toxicological information:**

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:

Harmful
Irritant

12 Ecological information

- **Ecotoxicological effects**

- **Acquatic toxicity:**

64742-95-6 Solvent naphtha (petroleum), light arom.

1 < EC50 Daphnien	10 mg/l (Daphnia magna)
1 < IC50 Algen	10 mg/l (A)
1 < LC50 Fisch	< 10 mg/l (Leuciscus idus)

- **Remark:** Toxic for fish

(Contd. on page 5)

Trade name: Slip-Ayd® SL 551

(Contd. of page 4)

· General notes:

- Water hazard class 2: hazardous for water.
- Do not allow product to reach ground water, water bodies or sewage system.
- Danger to drinking water if even small quantities leak into soil.
- Also poisonous for fish and plankton in water bodies.
- Toxic for aquatic organisms

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.

14 Transport information

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

- ADR/RID-GGVS/E Class: 3 Flammable liquids.
- Kemler Number: 30
- UN-Number: 1993
- Packaging group: III
- Label: 3
- Designation of goods: 1993 FLAMMABLE LIQUID, N.O.S. (BUTANOLS, Petroleumdistillates)
- IMDG/GGVSea Class: 3
- UN Number: 1993
- Label: 3
- Packaging group: III
- EMS Number: F-E,S-E
- Marine pollutant: No
- Correct technical name: FLAMMABLE LIQUID, N.O.S. (BUTANOLS, Petroleumdistillates)
- ICAO/IATA Class: 3
- UNID Number: 1993
- Label: 3
- Packaging group: III
- Correct technical name: FLAMMABLE LIQUID, N.O.S. (BUTANOLS, Petroleumdistillates)

15 Regulatory information

· Designation according to EC guidelines:

· Code letter and hazard designation of product:

- Xn Harmful
- N Dangerous for the environment

· Risk phrases:

- 10 Flammable.
- 20/22 Harmful by inhalation and if swallowed.
- 37/38 Irritating to respiratory system and skin.

(Contd. on page 6)

Trade name: Slip-Ayd® SL 551

(Contd. of page 5)

- 41 Risk of serious damage to eyes.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· **Safety phrases:**

- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
37/39 Wear suitable gloves and eye/face protection.
43 In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water.
57 Use appropriate container to avoid environmental contamination.

· **National regulations:**

· **Technical instructions (air):**

Class	Share in %:
NK	81.3

- **Water hazard class:** Water hazard class 2: hazardous for water.

· **Other regulations, limitations and prohibitive regulations:**

- **EU-VOC(%):** 81.30 %

· **EINECS/ELINCS:**

All ingredients are listed.

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**

- 10 Flammable.
20 Harmful by inhalation.
22 Harmful if swallowed.
36/37/38 Irritating to eyes, respiratory system and skin.
37 Irritating to respiratory system.
37/38 Irritating to respiratory system and skin.
41 Risk of serious damage to eyes.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
65 Harmful: may cause lung damage if swallowed.
67 Vapours may cause drowsiness and dizziness.

· **Department issuing data specification sheet:**

Product Stewardship Dept.

Tel.: +32 2 790 76 32

Fax : +32 2 790 76 60

- *** Data compared to the previous version altered.**