

Safety Data Sheet

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

1.1. Product identifier

- **Product name** – Slip Solution
 - K1959

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

- Application of nail polish

1.3. Details of the supplier of the safety data sheet

- SMC Manufacturing (UK)
Ltd Unit 2, Inverbreakie
Steading, Inverbreakie
Industrial Estate, Invergordon
Ross-shire
IV18 0LP
UK
Tel: +44(0)1349 344 082
E-mail: lab@smc-Manufacturing.com

1.4. Emergency telephone number

- +44(0)1349 344 082 (0830-1700)

SECTION 2: Hazards identification

2.1. Classification of the mixture

Classification according to regulation (EC) No.1272/2008



Hazard Class	Hazard Category	Hazard Statements
Flammable Liquids	Category 2	H225
Eye Irritation	Category 2	H319
Specific Target Organ Toxicity Single Exposure	Category 3	H336

For the full text of the H-Statements mentioned in this section, see Section 16.

- **Primary route of exposure** – skin or eye contact, inhalation of vapours
- **Most important adverse effects**
 - **Human Health** – see section 11 for toxicological information
 - **Physical and Chemical Hazards** – see section 9 for physiochemical information
 - **Potential Environmental Effects** – see section 12 for environmental information

2.2. Label elements

Labelling according to regulation (EC) No. 1272/2008

Hazard symbols:	SGH02		SGH07	
Signal word:	Danger			
Hazard statements:	H225 H319 H336	Highly flammable liquid and vapour Causes serious eye irritation May cause drowsiness or dizziness		
Precautionary statements				
Prevention	P210 P240 P243 P280	Keep away from heat / sparks / open flames / hot surfaces. No smoking. Ground / bond container and receiving equipment Take precautionary measures against static discharge Use protective gloves / protective clothing / eye protection / face protection		
Response	P304+P340 P370+378 P303+P361+ P353	IF INHALED: Remove person to fresh air and keep comfortable for breathing. In case of fire use chemical powders, carbon dioxide for extinction IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.		
Storage	P403+235	Store in a well-ventilated place. Keep cool		
Contains	Propan-2-ol			

2.3. Other hazards

- For results of PBT and vPvB assessment see section 12.5.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

This product is a mixture.

Name	%	Index-No.	CAS-No.	EC-No.	EC Registration	Classification (Regulation EC 1272/2008)	
Propan-2-ol	>70 %	603-117-00-0	67-63-0	200-661-7	01-2119457558-25-XXXX	Flam. Liq.2	H225
						Eye Irrit.2	H319
						STOT SE3	H336

For the full text of the H-Statements mentioned in this section, see Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

- **General advice**
 - Take of all contaminated clothing immediately. Wash contaminated clothing before re-use.
- **Inhalation**
 - Move to fresh air
 - If breathing is irregular or stopped, consider artificial respiration
 - If unconscious place in recovery position, Call a physician immediately.
- **Skin Contact**
 - Take off all contaminated clothing immediately and wash before re-use.
 - Wash immediately with plenty of soapy water
 - If skin irritation persists call a physician.
- **Eye Contact**
 - Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
 - Remove contact lenses. Consult an eye specialist immediately. Go to an ophthalmic hospital if possible.
- **Ingestion**
 - Rinse mouth with water. Never give anything by mouth to an unconscious person.
 - DO NOT induce vomiting. If a person vomits lying on their back, place into the recovery position.
 - Get immediate medical attention

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

- **Inhalation**
 - Possible drowsiness and dizziness. Risk of respiratory problems
- **Skin Contact**
 - Redness, pain. The skin absorbs part of the ingredients of this product. Can cause dry or chapped skin
- **Eye Contact**
 - Redness, watering, blurred vision. Risk of irritant effect on eyes
- **Ingestion**
 - Health risk even in small quantities. Product should not come into contact with food stuff

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

- **Note to physicians**
 - Maintain adequate ventilation and oxygenation of the patient. Haemodialysis may be of benefit if substantial amounts have been ingested and the patient is showing signs of intoxication. No specific antidote. Treatment f exposure should be directed at the control of symptoms and the clinical condition of the patient.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- **Suitable extinguishing media**
 - Alcohol-resistant foam, carbon dioxide, dry chemical powder
- **Unsuitable extinguishing media**
 - High volume water jet

5.2. Special hazards arising from the mixture

- **Specific hazards during fire fighting**
 - The vapour may be invisible, heavier than air and spread along the ground
 - Vapours may form an explosive atmosphere with air
 - Flash back possible over considerable distance
 - Heating or fire can release toxic gas.
 - Fire produces carbon oxides (CO and CO₂) and dense black smoke that is a health hazard; symptoms may not be immediately apparent

5.3. Advice for firefighters

- **Special protective equipment**
 - Wear self-contained breathing apparatus
 - Wear full protective suit
- **Further advice**
 - Cool closed containers with water spray / fog
 - Heating will cause pressure rise with risk of bursting
 - Collect contaminated fire extinguishing water separately; do not discharge to drains

SECTION 6: Accidental release measure

6.1. Personal precautions, protective equipment and emergency procedures

- Use personal protective equipment
- Keep away unprotected persons
- Provide adequate ventilation
- Keep away from heat and sources of ignition
- Avoid contact with skin, eyes and clothing
- Do not breathe vapours or mist

6.2. Environmental precautions

- Do not flush into surface water or sanitary sewer system
- Avoid subsoil penetration
- If the product contaminates rivers and lakes or drains inform respective authorities

6.3. Methods and material for containment and cleaning up

- Contain spillage
- Ground and bond all containers and handling equipment
- Collect with non-combustible absorbent material
- Place in container for disposal according to local / national regulations

6.4. Reference to other sections

- For emergency contact information see Section 1
- For personal protection refer to Section 8
- For disposal according to local / national regulations refer to Section 13

SECTION 7: Handling and storage



7.1. Precautions for safe handling

- Keep container tightly closed
- Use personal protective equipment; avoid contact with skin, eyes and clothing.
- Ensure adequate ventilation; do not breathe vapours
- Emergency eye wash fountains and emergency showers should be available in the immediate vicinity
- Keep away from food, drink and animal feedstuffs.
- Smoking eating and drinking should be prohibited in the application area
- Wash hands before breaks and at the end of the workday.
- Remove and wash contaminated clothing before re-use.

7.2. Conditions for safe storage, including any incompatibilities

- Keep container tightly closed
- Store within a solvent-resistant bunded area
- Store in original container in a dry, cool and well-ventilated place
- Keep away from direct sunlight
- Combustible liquid, keep away from sources of ignition. No smoking.
- The vapours maybe invisible, heavier than air and spread along the ground.
- Vapours may form explosive mixtures with air.
- Take measures to prevent electrostatic charge. Use only in an area containing explosive proof equipment.
- Ensure all equipment is electrically grounded before beginning transfer operations,

7.3. Specific end use(s)

- No information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

UK. EH40 Workplace Exposure Limits (WELs)		
Component	Short-term exposure limit (STEL)	Time weighted average (TWA)
Propan-2-ol	500ppm, 1250 mg/m ³	400ppm, 999 mg/m ³
	Skin Designation	200ppm
	DNEL	Workers, Long-term - systemic effects, Skin contact
	Workers, Long-term - systemic effects, Inhalation	500mg/m ³
	Consumers, Long-term - systemic effects, Skin contact	319 mg/kg bw/day
	Consumers, Long-term - systemic effects, Inhalation	89 mg/m ³
	Consumers, Long-term - systemic effects, Ingestion	26 mg/kg bw/day
PNEC	Fresh Water	140.9mg/l
	Marine Water	140.9mg/l
	Intermittent Release	140.9mg/l
	Sewage treatment Plant	2251mg/l
	Sediment	552mg/kg d.w
	Soil	28 mg/kg
	Secondary Poisoning	160mg/kg food

SECTION 10: Stability and reactivity

10.1. Reactivity

- Stable under recommended storage conditions

10.2. Chemical stability

- No decomposition if stored and applied as directed. See Section 7

10.3. Possibility of hazardous reactions

- Exothermic reaction with strong acids. Incompatible with oxidizing agents

10.4. Conditions to avoid

- Heat, flames, sparks, static discharge and direct sunlight

10.5. Incompatible materials

- Strong Acids, oxidising agents Aldehydes and Halogens

10.6. Hazardous decomposition products

- Decomposition products can include and not limited to carbon oxides and smoke

SECTION 11: Toxicological information

11.1. Information on toxicological effects

- There is no data available on the product itself and therefore bridging principles have been applied:

Toxicity	Value (estimated)	Result
Acute oral toxicity	>5840 mg / kg (Rat)	No acute toxicity
Acute dermal activity	>13900mg / kg (Rabbit)	No acute toxicity
Acute inhalation activity	>25 mg / l (Rat)	No acute toxicity
Eye irritation	Irritating	Eye irritant category 2
Specific target organ toxicity after single exposure	May cause drowsiness and dizziness	STOT SE category 3

SECTION 12: Ecological information

12.1. Toxicity

- Not expected to be harmful to aquatic organisms. See data below

12.2. Persistence and degradability

- 95% Biodegradable (Exposure time: 21 d) (OECD Test Guideline 301E)
- Transformation due to hydrolysis or photolysis not expected to be significant.

12.3. Bio accumulative potential

- Bioaccumulation is not expected.

12.4. Mobility in soil

- Highly Mobile in Soils

12.5. Results of PBT and vPvB assessment

- This substance is not considered to be persistent, bioaccumulating nor toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

12.6. Other adverse effects

- Do not flush into surface water or sanitary sewer system.
- Avoid subsoil penetration

Acute Toxicity	
Fish	
LC50	9640 mg/l (Pimephales promelas; 96 h) (flow-through test; OECD Test Guideline 203)
Toxicity to daphnia and other aquatic invertebrates	
LC50	9714 mg/l (Daphnia magna; 24 h) (static test; OECD Test Guideline 202)
Algae	
EC50	> 100 mg/l (Scenedesmus subspicatus; 72 h)
LOEC	1000 mg/l (algae; 8 d)
Bacteria	
EC50	> 100 mg/l (Bacteria) no harming action

SECTION 13: Disposal considerations

13.1. Waste treatment methods

- This product should be treated as hazardous waste according to EC 2008/98/EC
- Use authorised waste disposal services in compliance with all national, provincial, municipal or local laws
- Do not dispose of together with normal waste
- Do not dispose of into the environment, drains or sanitary sewer
- Do not burn or use cutting torch on empty drum
- Empty drums for storage or transport should continue to be labelled as flammable, class 3

SECTION 14: Transport information

Classification for Road and Rail Transport (ADR/RID)

14.1. UN number

- 1219

14.2. UN proper shipping name

- Isopropanol

14.3. Transport hazard class(es)

- Class 3

14.4. Packing group

- II

14.5. Environmental hazards

- No information available

14.6. Special precautions for user

- No information available

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

- No information available

Classification for Sea Transport (IMDG)

14.1. UN number

- 1219

14.2. UN proper shipping name

- Isopropanol

14.3. Transport hazard class(es)

- Class 3

14.4. Packing group

- II

14.5. Environmental hazards

- No information available

14.6. Special precautions for user

- No information available

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

- No information available

Classification for Air Transport (IATA/ICAO)

14.1. UN number

- 1219

14.2. UN proper shipping name

- Isopropanol

14.3. Transport hazard class(es)

- Class 3

14.4. Packing group

- II

14.5. Environmental hazards

- No information available

14.6. Special precautions for user

- No information available

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

- No information available

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

- This mixture contains only components that have been either pre-registered, registered, are exempt from registration, are regarded as registered or are not subject to registration according to Regulation (EC) No. 1907/2006 (REACH)
- Occupational restrictions: Take note of Dir 92/85/EEC on the safety and health of pregnant workers at work and of Dir 94/33/EC on the protection of young people at work

15.2. Chemical safety assessment

- Not applicable

SECTION 16: Other information

Full text of H-statements referred to previously in document:

- H225: Highly flammable liquid and vapour
- H319: Causes serious eye irritation
- H336: May cause drowsiness or dizziness

Revision: 12/12/22 Material Safety Data Sheet K1331 Slip Solution

SMC Manufacturing (UK) Ltd urges each customer or recipient of this material safety data sheet to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained herein and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. No warranty, express or implied, is given.

Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws.