

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

1.1. Product identifier

Product form : Mixture
Product name : 600-SCII Surface Cleaner
Type of product : Detergent

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

1.2.1. Relevant identified uses

Industrial/Professional use spec : For professional use only
Industrial
Use of the substance/mixture : Cleaning agent for manual application.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

SOTT INTERNATIONAL BV
De Donge 2c
5684 PX Best - Nederland
T +31(0)499-751810
info@sott-international.com - www.sott-international.com

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number
UNITED KINGDOM	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	0870 243 2241

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flam. Liq. 2 H225
Eye Irrit. 2 H319
STOT SE 3 H336
Aquatic Chronic 3 H412

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

F; R11
Xi; R36
R67
R52/53

Full text of R-phrases: see section 16

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS02

GHS07

Signal word (CLP) :

Danger

Hazardous ingredients :

propaan-2-ol

Hazard statements (CLP) :

H225 - Highly flammable liquid and vapour
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness
H412 - Harmful to aquatic life with long lasting effects

600-SCII Surface Cleaner

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Precautionary statements (CLP)	: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking P370+P378 - In case of fire: Use Water fog, carbon dioxide (CO ₂), extinguishing powder, alcohol resistant foam to extinguish
EUH phrases	: EUH208 - Contains (R)-p-mentha-1,8-diene, d-limonene(5989-27-5). May produce an allergic reaction

2.3. Other hazards

Adverse physicochemical, human health and environmental effects : Highly flammable liquid and vapour. May cause drowsiness or dizziness. Causes serious eye irritation. Harmful to aquatic life with long lasting effects.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
propan-2-ol	(CAS No) 67-63-0 (EC no) 200-661-7 (EC index no) 603-117-00-0 (REACH-no) 01-2119457558-25	>= 50	F; R11 Xi; R36 R67	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
2-butoxyethanol	(CAS No) 111-76-2 (EC no) 203-905-0 (EC index no) 603-014-00-0 (REACH-no) 01-2119475108-36	5 - 10	Xn; R20/21/22 Xi; R36/38	Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Skin Irrit. 2, H315
(R)-p-mentha-1,8-diene	(CAS No) 5989-27-5 (EC no) 227-813-5 (EC index no) 601-029-00-7	0,1 - 1	R10 Xi; R38 R43 N; R50/53 Xn; R65	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
ammonia substance with a Community workplace exposure limit substance with national workplace exposure limit(s) (GB)	(CAS No) 1336-21-6 (EC no) 215-647-6 (EC index no) 007-001-01-2 (REACH-no) 01-2119488876-14	< 0,1	C; R34 N; R50	Skin Corr. 1B, H314 Aquatic Acute 1, H400
2-methylpentane-2,4-diol substance with national workplace exposure limit(s) (GB)	(CAS No) 107-41-5 (EC no) 203-489-0 (EC index no) 603-053-00-3	< 0,1	Xi; R36/38	Eye Irrit. 2, H319 Skin Irrit. 2, H315

Full text of R- and H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: If skin irritation occurs: Consult a doctor/medical service. Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing.
First-aid measures after eye contact	: If eye irritation persists: Consult a doctor/medical service. 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.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.

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

Symptoms/injuries	: May cause drowsiness or dizziness.
Symptoms/injuries after eye contact	: Eye irritation.

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	: Sand. Water spray. Carbon dioxide. Dry powder. Foam.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Highly flammable liquid and vapour.
-------------	---------------------------------------

600-SCII Surface Cleaner

Safety Data Sheet

according to Regulation (EC) No. 453/2010

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
- Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Ground/bond container and receiving equipment.
- Storage conditions : Protect against frost. Store in a well-ventilated place. Keep cool. Keep container tightly closed.
- Incompatible materials : Reacts violently with (strong) oxidizers.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

2-methylpentane-2,4-diol (107-41-5)		
United Kingdom	Local name	2-Methylpentane-2,4-diol
United Kingdom	WEL TWA (mg/m ³)	123 mg/m ³
United Kingdom	WEL TWA (ppm)	25 ppm
United Kingdom	WEL STEL (mg/m ³)	123 mg/m ³
United Kingdom	WEL STEL (ppm)	25 ppm
ammonia (1336-21-6)		
EU	IOELV TWA (mg/m ³)	14 mg/m ³ Ammonia
EU	IOELV TWA (ppm)	20 ppm Ammonia
EU	IOELV STEL (mg/m ³)	36 mg/m ³ Ammonia
EU	IOELV STEL (ppm)	50 ppm Ammonia
United Kingdom	WEL TWA (mg/m ³)	18 mg/m ³ Ammonia
United Kingdom	WEL TWA (ppm)	25 ppm Ammonia
United Kingdom	WEL STEL (mg/m ³)	25 mg/m ³ Ammonia
United Kingdom	WEL STEL (ppm)	35 ppm Ammonia
2-butoxyethanol (111-76-2)		
EU	Local name	2-Butoxyethanol

600-SCII Surface Cleaner

Safety Data Sheet

according to Regulation (EC) No. 453/2010

2-butoxyethanol (111-76-2)		
EU	IOELV TWA (mg/m ³)	98 mg/m ³
EU	IOELV TWA (ppm)	20 ppm
EU	IOELV STEL (mg/m ³)	246 mg/m ³
EU	IOELV STEL (ppm)	50 ppm
EU	Notes	Skin
United Kingdom	Local name	2-Butoxyethanol
United Kingdom	WEL TWA (mg/m ³)	123 mg/m ³
United Kingdom	WEL TWA (ppm)	25 ppm
United Kingdom	WEL STEL (mg/m ³)	246 mg/m ³
United Kingdom	WEL STEL (ppm)	50 ppm
United Kingdom	Remark (WEL)	SK,BMGV: 240 mmol butoxyacetic acid/mol creatinine in urine
propan-2-ol (67-63-0)		
United Kingdom	Local name	Propan-2-ol
United Kingdom	WEL TWA (mg/m ³)	999 mg/m ³
United Kingdom	WEL TWA (ppm)	490 ppm
United Kingdom	WEL STEL (mg/m ³)	1250 mg/m ³
United Kingdom	WEL STEL (ppm)	500 ppm

8.2. Exposure controls

Appropriate engineering controls	: Ensure good ventilation of the work station.
Hand protection	: Nitrile rubber gloves. neoprene gloves
Eye protection	: Safety glasses
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: Provide local exhaust or general room ventilation to minimize mist and/or vapour concentrations. Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. Gas mask with filter type A
Environmental exposure controls	: Avoid release to the environment.
Other information	: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: liquid.
Colour	: Green.
Odour	: characteristic.
Odour threshold	: No data available
pH	: ca. 10
Relative evaporation rate (butylacetate = 1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: > 35 °C
Flash point	: 20 °C Closed cup
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour Pressure 20°C	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 0,86
Density	: 0,86 kg/l
Solubility	: In water, material soluble.
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

600-SCII Surface Cleaner

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Highly flammable liquid and vapour. Under fire conditions, hazardous fumes will be present.

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

ammonia (1336-21-6)	
LD50 oral rat	350 mg/kg
2-butoxyethanol (111-76-2)	
LD50 oral rat	1746 mg/kg
LD50 dermal rat	2270 mg/kg
LC50 inhalation rat (mg/l)	> 2 mg/l/4h
propaan-2-ol (67-63-0)	
LD50 oral rat	5840 mg/kg
LD50 dermal rabbit	12882 mg/kg
LC50 inhalation rat (ppm)	> 1000 ppm 6 hr

Skin corrosion/irritation	: Not classified pH: ca. 10
Serious eye damage/irritation	: Causes serious eye irritation. pH: ca. 10
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: May cause drowsiness or dizziness.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.

ammonia (1336-21-6)	
LC50 fish 1	0,89 mg/l 96h
EC50 Daphnia 1	110 mg/l 48h
2-butoxyethanol (111-76-2)	
LC50 fish 1	1474 mg/l 96h

600-SCII Surface Cleaner

Safety Data Sheet

according to Regulation (EC) No. 453/2010

2-butoxyethanol (111-76-2)	
EC50 Daphnia 1	1800 mg/l 48h
ErC50 (algae)	911 mg/l 72h
NOEC chronic fish	100 mg/l
NOEC chronic crustacea	100 mg/l
NOEC chronic algae	88 mg/l

propaan-2-ol (67-63-0)	
LC50 fish 1	9640 mg/l 96h
ErC50 (algae)	> 1000 mg/l 72h

12.2. Persistence and degradability

ammonia (1336-21-6)	
Persistence and degradability	Readily biodegradable in water.

2-butoxyethanol (111-76-2)	
Persistence and degradability	Readily biodegradable in water.

propaan-2-ol (67-63-0)	
Persistence and degradability	Readily biodegradable in water.
Biodegradation	> 70 %

12.3. Bioaccumulative potential

ammonia (1336-21-6)	
Log Pow	-1,3

2-butoxyethanol (111-76-2)	
Bioconcentration factor (BCF REACH)	< 100
Log Pow	0,81

propaan-2-ol (67-63-0)	
Bioconcentration factor (BCF REACH)	> 3
Log Pow	0,05

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.

SECTION 14: Transport information

In accordance with ADR

14.1. UN number

UN-No. (ADR) : 1993

14.2. UN proper shipping name

Proper Shipping Name (ADR) : FLAMMABLE LIQUID, N.O.S.

Transport document description (ADR) : UN 1993 FLAMMABLE LIQUID, N.O.S. (isopropyl alcohol; (R)-p-mentha-1,8-dien), 3, II, (D/E)

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 3

Danger labels (ADR) : 3

600-SCII Surface Cleaner

Safety Data Sheet

according to Regulation (EC) No. 453/2010



14.4. Packing group

Packing group (ADR) : II

14.5. Environmental hazards

Dangerous for the environment : No
Other information : No supplementary information available

14.6. Special precautions for user

- Overland transport

Classification code (ADR) : F1
Hazard identification number (Kemler No.) : 33
Orange plates :



Tunnel restriction code (ADR) : D/E
EAC code : •3YE

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

15.1.1. EU-Regulations

Contains no substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

Allergenic fragrances > 0,01%:

D-LIMONENE

Detergent Regulation : Labelling of contents:

Component	%
Perfume	
D-LIMONENE	

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

SECTION 16: Other information

Full text of R-, H- and EUH-phrases:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2

600-SCII Surface Cleaner

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H332	Harmful if inhaled
H336	May cause drowsiness or dizziness
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
EUH208	Contains . May produce an allergic reaction
R10	Flammable
R11	Highly flammable
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed
R34	Causes burns
R36	Irritating to eyes
R36/38	Irritating to eyes and skin
R38	Irritating to skin
R43	May cause sensitisation by skin contact
R50	Very toxic to aquatic organisms
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R65	Harmful: may cause lung damage if swallowed
R67	Vapours may cause drowsiness and dizziness
C	Corrosive
F	Highly flammable
N	Dangerous for the environment
Xi	Irritant
Xn	Harmful

Safety Data Sheet applicable for regions : EU; GB

SDS EU (REACH Annex II) - SOTT

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product