IP Surface Cleaner Pro Safety Datasheet

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

· **1.1 Product identifier**
· Trade name IP Surface Cleaner Pro

· **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
· **Application of the substance / the mixture Solvents**

· **1.3 Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
Spandex Group
Oberglatterstrasse 13
8153 Rümlang
www.spandex.com
· Informing department: Product safety department

· **1.4 Emergency telephone number:**
Poison Control Center, Mainz
Tel. 00 49 / 61 31 / 19 240

SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**
· **Classification according to Regulation (EC) No 1272/2008**
Flam. Liq. 3 H226 Flammable liquid and vapour.
Eye Irrit. 2 H319 Causes serious eye irritation.
STOT SE 3 H336 May cause drowsiness or dizziness.
· **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
Xi; Irritant
R36: Irritating to eyes.
R10-67: Flammable. Vapours may cause drowsiness and dizziness.
· **Information concerning particular hazards for human 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.
Has a narcotising effect.
· **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.
· **2.2 Label elements**
· **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
· **Hazard pictograms**
· **Signal word Warning**
· **Hazard-determining components of labelling:**
propan-2-ol
· **Hazard statements**
H226 Flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

GHS02 GHS07

· **Precautionary statements**
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
· **2.3 Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT: Not applicable.**
· **vPvB: Not applicable.**

SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**
· **Description: Mixture of the substances listed below with harmless additions (aqueous solution)**

- *Dangerous components:*		
CAS: 67-63-0 *EINECS: 200-661-7* *Reg.nr.: 01-2119457558-25*	*propan-2-ol* *Xi R36; F R11* *R67* *Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336*	*50-100%*
CAS: 111-76-2 *EINECS: 203-905-0* *Reg.nr.: 01-2119475108-36*	*2-butoxyethanol* *Xn R20/21/22; Xi R36/38* *Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319*	*2.5-10%*
- *Regulation (EC) No 648/2004 on detergents / Labelling for contents*		
perfumes (d-Limonene)		*< 5%*

SECTION 4: First aid measures

· **4.1 Description of first aid measures**
· **General advice: Instantly remove any clothing soiled by the product.**
· **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 skin with water using soap if available.If persistant irritation occurs, obtain medical attention.
· **After eye contact Rinse immediately opened eye for several minutes under running water. Then consult doctor.**
· **After swallowing**
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; instantly call for medical help.
· **4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.**
· **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

· **5.1 Extinguishing media**
· **Suitable extinguishing agents**
CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
· **For safety reasons unsuitable extinguishing agents Water with a full water jet.**
· **5.2 Special hazards arising from the substance or mixture**
Can form explosive gas-air mixtures. In case of incomplete combustion carbon monoxide can arise.
Fumes are heavier than air and distributed over ground. Inflammation is possible from a far distance.
· **5.3 Advice for firefighters**
· **Protective equipment: See section 8.**
· **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
Endangered containers in the surrounding area should be cooled with a water-hose.

SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep off unprotected persons
Extinguish naked flames. Remove flammable sources. No smoking. Avoid sparks. Avoid contact with skin, eyes and clothing. Avoid inhalation of fumes. Air contaminated rooms thoroughly. Protect against electrostatic sparks.
· **6.2 Environmental precautions:**
Prevent material from reaching sewage system, holes and cellars.
Dilute with much water.
If large amounts are released, the authorities must be informed.
· **6.3 Methods and material for containment and cleaning up:**
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.
· **6.4 Reference to other sections Danger of explosion**

SECTION 7: Handling and storage

· **7.1 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.
· **7.2 Conditions for safe storage, including any incompatibilities**
· **Storage**
Protect against direct sunlight, other sources of heat and ignition.
Keep containers tightly closed. Store in cool, dry conditions.
· **Requirements to be met by storerooms and containers:**
Observe official regulations on storage and handling of water harzardous substances
· **Information about storage in one common storage facility:**
Pay attention to regulations / technical guidelines on mixed storage of flammable liquids.
· **Further information about storage conditions: Keep container tightly sealed.**
· **7.3 Specific end use(s) No further relevant information available.**

SECTION 8: Exposure controls/personal protection

· **Additional information about design of technical systems:**
Room ventilation i.e. vacuum suction. Measures to be taken against electro-static sparks.
· **8.1 Control parameters**

- Components with critical values that require monitoring at the workplace:	
67-63-0 propan-2-ol (50-100%)	
WEL	*Short-term value: 1250 mg/m³, 500 ppm* *Long-term value: 999 mg/m³, 400 ppm*
111-76-2 2-butoxyethanol (2.5-10%)	
WEL	*Short-term value: 50 ppm* *Long-term value: 25 ppm* *Sk*

- DNELs		
67-63-0 propan-2-ol		
Oral	*DNEL (population)*	*26 mg/kg bw/day (Long-term - systemic effects)*
Dermal	*DNEL (population)*	*319 mg/kg bw/day (Long-term - systemic effects)*
	DNEL (worker)	*888 mg/kg bw/day (Long-term - systemic effects)*
Inhalative	*DNEL (population)*	*89 mg/m³ (Long-term - systemic effects)*
	DNEL (worker)	*500 mg/m³ (Long-term - systemic effects)*

- PNECs	
67-63-0 propan-2-ol	
PNEC STP	*2251 mg/l (380)*
PNEC aqua	*140.9 mg/l (fresh water)*
	140.9 mg/l (marine water)
PNEC sediment	*552 mg/kg dw (fresh water)*
	552 mg/kg dw (marine water)
PNEC soil	*28 mg/kg dw (soil)*

· **Additional information: The lists that were valid during the compilation were used as basis.**
· **8.2 Exposure controls**
· **Personal protective equipment**
· **General protective and hygienic measures**
Keep away from food, beverages and fodder.
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.
Gases, fumes and aerosols should not be inhaled.
· **Breathing equipment: Not necessary if room is well-ventilated.**
· **Protection of hands:**
Protective gloves.
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
· **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:**
Standard proctective clothing. Chemical resistant safety-shoes or boots. If skin contact is possible, wear inpenetrable protective clothing against this solvent.

SECTION 9: Physical and chemical properties

- *9.1 Information on basic physical and chemical properties*	
- *General Information*	
- *Appearance:*	
Form:	*Fluid*
Colour:	*Orange*
- *Smell:*	*Characteristic*
- *Odour threshold:*	*Not determined.*
- *pH-value at 20 °C:*	*ca. 11*
- *Change in condition*	
Melting point/Melting range:	*Not determined*
Boiling point/Boiling range:	*> 82 °C*
- *Flash point:*	*23 °C*
- *Inflammability (solid, gaseous)*	*Not applicable.*
- *Ignition temperature:*	*425 °C*
- *Decomposition temperature:*	*Not determined.*
- *Self-inflammability:*	*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:	*1.1 Vol %*
Upper:	*12.0 Vol %*
- *Vapour pressure at 20 °C:*	*48 hPa*
- *Density at 20 °C*	*0.869 g/cm³*
- *Relative density*	*Not determined.*
- *Vapour density*	*Not determined.*
- *Evaporation rate*	*Not determined.*
- *Solubility in / Miscibility with*	
Water:	*Fully miscible*
- *Partition coefficient (n-octanol/water):*	*Not determined.*
- *Viscosity:*	
dynamic:	*Not determined.*
kinematic:	*Not determined.*
- *9.2 Other information*	*No further relevant information available.*

SECTION 10: Stability and reactivity

· **10.1 Reactivity**
· **10.2 Chemical stability**
· **Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.**
· **10.3 Possibility of hazardous reactions No dangerous reactions known**
· **10.4 Conditions to avoid Avoid all sources of ignition: heat, sparks, open flames.**
· **10.5 Incompatible materials: strong oxidizing agents**
· **10.6 Hazardous decomposition products:**
Thermal decomposition can produce a variety of compounds, the precise nature of which will depend on the decomposition conditions.
Formation of carbon monoxide and carbon dioxide in case of fire.

SECTION 11: Toxicological information

· **11.1 Information on toxicological effects**
· **Acute toxicity:**
· **Primary irritant effect:**
· **on the skin: At prolonged contact with product a slight irritation might be possible.**
· **on the eye: Irritant effect.**
· **Sensitisation: No sensitizing effect known.**
· **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:
Irritant

SECTION 12: Ecological information

· **12.1 Toxicity**
· **Aquatic toxicity: No further relevant information available.**
· **12.2 Persistence and degradability No further relevant information available.**
· **12.3 Bioaccumulative potential No further relevant information available.**
· **12.4 Mobility in soil No further relevant information available.**
· **Additional ecological information:**
· **General notes: Water hazard class 1 (Self-assessment): slightly hazardous for water.**
· **12.5 Results of PBT and vPvB assessment**
· **PBT: Not applicable.**
· **vPvB: Not applicable.**
· **12.6 Other adverse effects No further relevant information available.**

SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**
The following advice is related to new material and not to any processed products. In case of a mixture with other products other disposal methods may become necessary. If in doubt seek advice from product supplier or from local authorities.
· **Recommendation**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system. If possible, send to be recycled, otherwise burn or deposit in a certified facility.
· **Waste disposal key number:**
Since 01/01/99 the waste code numbers have not only been product-related but are also essentially applicationrelated. The valid waste code number of the application can be obtained from the European waste catalogue.
· **Uncleaned packagings: Disposal must be made according to official regulations.**
· **Recommendation:**
After complete emptying and cleaning, send to be reconditioned or recycled.
Rented packaging: After optimal emptying, close immediately and return to the supplier without cleaning.
Care should be taken that no other materials get into the packaging.
Other containers: After complete emptying and cleaning, send to be reconditioned or recycled.
Caution: Leftovers in the containers may cause the risk of explosion.
Uncleaned containers should not be perforated, cut or welded.
· **Recommended cleaning agent: Water, if necessary with cleaning agent.**

SECTION 14: Transport information

- 14.1 UN-Number *- ADR, IMDG, IATA*	*UN1993*
- 14.2 UN proper shipping name *- IMDG, IATA*	*FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL))*
- 14.3 Transport hazard class(es) *- ADR* *- Class* *- Label*	 *3 (F1) Flammable liquids.* *3*
- IMDG, IATA *- Class* *- Label*	 *3 Flammable liquids.* *3*
- 14.4 Packing group *- ADR, IMDG, IATA*	*III*
- 14.5 Environmental hazards: *- Marine pollutant:*	*No*
- 14.6 Special precautions for user *- Kemler Number:* *- EMS Number:*	*Warning: Flammable liquids.* *30* *F-E,S-E*
- 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	*Not applicable.*

- 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)* *- Excepted quantities (EQ)*	*5L* *Code: E1* *Maximum net quantity per inner packaging: 30 ml* *Maximum net quantity per outer packaging: 1000 ml*
- UN "Model Regulation":	*UN1993, FLAMMABLE LIQUID, N.O.S., 3, III*

SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
· **National regulations**
· **Information about limitation of use: Employment restrictions concerning young persons must be observed.**
· **Decree to be applied in case of technical fault: Materialgroup 3 (flammable liquids) mixing-swell to be observed**
· **Technical instructions (air):**
Class Share in %
NK 50-100
· **15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.**

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
· **Relevant phrases**
Complete wording of hazard statements and risk phrases (H- and R-phrases) mentioned in section 3. These phrases refer to the constituents. The labelling for this product is stated in section 2.
H225 Highly flammable liquid and vapour.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H336 May cause drowsiness or dizziness.
R11 Highly flammable.
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R36 Irritating to eyes.
R36/38 Irritating to eyes and skin.
R67 Vapours may cause drowsiness and dizziness.
· Department issuing data specification sheet: see item 1: Informing department
· Abbreviations and acronyms:
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the
International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation
LEV: Local Exhaust Ventilation
RPE: Respiratory Protective Equipment
RCR: Risk Characterisation Ratio (RCR= PEC/PNEC)
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
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)
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)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
Flam. Liq. 2: Flammable liquids, Hazard Category 2
Flam. Liq. 3: Flammable liquids, Hazard Category 3
Acute Tox. 4: Acute toxicity, Hazard Category 4
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
- * Data compared to the previous version altered.