Product composition and safety sheet

1. Product identification

Supplier Name:	Polyco Healthline Ltd.
Supplier Address:	South Fen Road, Bourne, Lincolnshire, PE10 0DN, UK.
Product Brand:	Shield
Product Description:	Alcohol Surface Wipes
Product Code:	SSW
Contact Details:	+44 (0) 33 3320 8550

2. Hazard identification

Regulation (EC) No 1272/2008 (CLP):

H228: Flammable solids, Category 1.
H319: Causes serious eye irritation, Category 2.
H336: May cause drowsiness or dizziness.
Narcosis.

Full text of H- and EUH-statements: See section 16

Label Elements: According to Regulation (EC) No. 1272/2008 (CLP)



GHS02 GHS07

Signal words: Danger

Contains: PROPAN-2-OL

Hazard Statements:

H228: Flammable Solid.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.

Precautionary statement prevention:

P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P261: Avoid breathing vapours.
P264: Wash hands thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area.
P280 – Wear protective gloves.

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.
P403+P233: Store in a well-ventilated place. Keep cool.

Other hazards: Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.

3. Composition

Chemical Name	CAS Number	Classification according to Regulation (EC) No. 1272/2008 (CLP)	Percent
Propan-2-ol (Isopropyl alcohol)	67-63-0	Flam. Liq. 2, H225 Eye Irrit. 2 H319 STOT SE 3, H336	70-80%
Ethanol	64-17-5	Flam. Liq. 2, H225 EUH001	1-10%

4. First aid measures

General: Get medical advice/attention if you feel unwell. If medical advice is needed, have product container or label at hand.

Skin contact: Take off contaminated clothing. Wash skin with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.

Eye contact: Not expected to present a significant eye contact hazard under anticipated conditions of normal use. 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.

Ingestion: As the substrate is a wipe material ingestion is highly unlikely but, in the event, do not induce vomiting and wash mouth out with water. Get medical advice/attention.

Inhalation:	Move to fresh air in case of accidental inhalation of vapours and keep comfortable for breathing.
Symptoms/effects after inhalation:	May cause drowsiness or dizziness. There may be irritation of the throat with a feeling of tightness in the chest and cough.
Symptoms/effects after skin contact:	May cause slight irritation to the skin.
Symptoms/effects after eye contact:	Eye irritation. redness, itching, tears.
Symptoms/effects after ingestion:	May cause irritation to the digestive tract. Ingestion may cause nausea and vomiting.
Immediate medical attention and special treatment:	Treat Symptomatically.

5. Fire-fighting measures

Extinguishing media:	Dry chemical, CO2, dry sand, or alcohol-resistant foam. Use extinguishing media appropriate for surrounding fire.
Special hazards arising from the substance or mixture:	Fire Hazard – Flammable Solid Explosion Hazard - Product is not explosive Reactivity in case of fire – None Known. Hazardous decomposition - Toxic fumes may be released.
Advice for fire-fighters:	1 - Evacuate the area 2 - Exercise caution when fighting any chemical fire. 3 - Do not attempt to act without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	General Measures: Ensure adequate ventilation. Avoid contact with eyes. Avoid inhalation of vapours.
Protective equipment for Non-emergency personnel:	Wear recommended personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Emergency Procedures for Non-emergency personnel: Eliminate all ignition sources if safe to do so. Ventilate spillage area. Avoid contact with eyes. Avoid inhalation of vapours

Protective equipment for Emergency personnel: Wear recommended personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Emergency Procedures for Emergency personnel: Eliminate all ignition sources if safe to do so. Ventilate spillage area. Avoid contact with eyes. Avoid inhalation of vapours

Environmental precautions: Avoid release to the environment.

Clean-up procedures: Pick up solid material. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13). Use only non-sparking tools. Wash the spillage site with large amounts of water. This material and its container must be disposed of in a safe way, and as per local legislation.

For further information refer to section 8: "Exposure controls/personal protection".
For disposal of solid materials or residues refer to section 13: "Disposal considerations".

7. Handling and storage

Precautions for safe handling: Ensure there is adequate ventilation. Avoid inhalation of vapours. Avoid contact with eyes. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hygiene Measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Storage conditions: Store in a well-ventilated place. Keep container closed when not in use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Incompatible materials: Strong oxidizing agents.

Storage area: Store in a well-ventilated place. Keep away from ignition sources.

Specific end use(s): Washing and cleaning products (including solvent based products).

8. Exposure controls / personal protection

Workplace exposure limit

PROPAN-2-OL (67-63-0)	
United Kingdom - Occupational Exposure Limits	
Local name	Propan-2-ol
WEL TWA (OEL TWA) [1]	999 mg/m³
WEL TWA (OEL TWA) [2]	400 ppm
WEL STEL (OEL STEL)	1250 mg/m³
WEL STEL (OEL STEL) [ppm]	500 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

ETHANOL (64-17-5)	
United Kingdom - Occupational Exposure Limits	
Local name	Ethanol
WEL TWA (OEL TWA) [1]	1920 mg/m³
WEL TWA (OEL TWA) [2]	1000 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

Recommended monitoring procedures: No additional information available.

Air contaminants formed: No additional information available.

DNEL and PNEC: No additional information available.

Control Banding: No additional information available.

Appropriate engineering controls: Ensure Adequate ventilation

Personal Protective Equipment: Gloves.

Eye and Face Protection: Not required for normal conditions of use. Eye protection should only be necessary where liquid could be splashed or sprayed.

Skin and Body Protection: Wear suitable protective clothing

Hand Protection: Protective gloves. Standard EN 374 - Protective gloves against chemicals.

Respiratory Protection: None normally required.

Thermal hazards: None normally required.

Environmental exposure controls:	Avoid release to the environment. Do not eat, drink, or smoke during use.

9. Physical and chemical properties

Physical state:	Solid
Colour:	Various.
Odour:	Characteristic.
Odour threshold:	Not available
Melting point:	Not available
Freezing point:	Not available
Boiling point:	Not available
Flammability:	Flammable solid.
Explosive properties:	Product is not explosive.
Oxidising properties:	Non oxidizing.
Lower explosion limit:	Not applicable
Upper explosion limit:	Not applicable
Flash point:	14 °C
Auto-ignition temperature:	Not applicable
Decomposition temperature:	Not available
pH:	Not available
pH solution:	Not available
Viscosity, kinematic:	Not applicable
Solubility:	Insoluble.
Partition coefficient n-octanol/water (Log Kow):	Not available
Vapour pressure:	Not available
Vapour pressure at 50°C:	Not available
Density:	Not available
Relative density:	Not available
Relative vapour density at 20°C:	Not applicable
Particle size:	Not available

10. Stability and reactivity

Reactivity:	The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability:	Flammable solid. Stable under normal conditions.
Hazardous reactions:	No dangerous reactions known under normal conditions of use.
Conditions to avoid:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Materials to avoid: Strong acids. Strong oxidizing agents.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

Acute toxicity (oral): Not classified

Acute toxicity (dermal): Not classified

Acute toxicity (inhalation): Not classified

PROPAN-2-OL (67-63-0)	
LD50 oral rat	5045 mg/kg
LD50 oral	3600 mg/kg
LD50 dermal	12800
LC50 Inhalation - Rat (Dust/Mist)	46600

Skin corrosion/irritation: Not classified.

Additional information: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory or skin sensitisation: Not classified.

Additional information: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Not classified.

Additional information: Based on available data, the classification criteria are not met.

Carcinogenicity: Not classified.

Additional information: Based on available data, the classification criteria are not met.

Reproductive toxicity: Not classified.

Additional information: Based on available data, the classification criteria are not met.

STOT-single exposure: May cause drowsiness or dizziness.

PROPAN-2-OL (67-63-0)	
STOT-single exposure	May cause drowsiness or dizziness.

STOT-repeated exposure: Not classified.

Additional information: Based on available data, the classification criteria are not met.

Aspiration hazard: Not classified.
Additional information: Based on available data, the classification criteria are not met.

12. Ecological information

Ecology - general: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Ecology - water: No data available on ecotoxicity.

Hazardous to the aquatic environment, short–term (acute): Not classified.

Hazardous to the aquatic environment, long–term (chronic): Not classified.

PROPAN-2-OL (67-63-0)	
LC50 - Fish [1]	9640 mg/l
EC50 - Other aquatic organisms [1]	13299 mg/l waterflea
EC50 - Other aquatic organisms [2]	> 1000 mg/l

70% IPA/IDA WIPES	
Persistence and degradability	Not biodegradable.

70% IPA/IDA WIPES	
Bioaccumulative potential	No bioaccumulation.

PROPAN-2-OL (67-63-0)	
Partition coefficient n-octanol/water (Log Pow)	0.05

70% IPA/IDA WIPES	
Ecology - soil	No data available.

13. Disposal considerations

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

Waste treatment methods: Dispose of contents/container in accordance with licensed collector’s sorting instructions.

Product/Packaging
disposal recommendations: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Ecology - waste materials: Avoid release to the environment.

14. Transport information

ADR	IMDG	IATA	ADN	RID
UN number or ID number				
SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (PROPAN-2-OL)	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (PROPAN-2-OL)	Solids containing flammable liquid, n.o.s. (PROPAN-2-OL)	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (PROPAN-2-OL)	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (PROPAN-2-OL)
Transport document description				
UN 3175 SOLIDS CONTAINING FLAMMABLE LIQUID,	UN 3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (PROPAN-2-OL), 4.1, II	UN 3175 Solids containing flammable liquid, n.o.s. (PROPAN-2-OL), 4.1, II	UN 3175 SOLIDS CONTAINING FLAMMABLE LIQUID,	UN 3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (PROPAN-2-OL), 4.1, II
14.3. Transport hazard class(es)				
4.1	4.1	4.1	4.1	4.1
				
Packing Group				
II	**II**	**II**	**II**	**II**

ADR	IMDG	IATA	ADN	RID
Environmental Hazards				
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary information available				

Overland transport

Classification code (ADR): F1
Special provisions (ADR): 216, 274, 601
Limited quantities (ADR): 1kg
Excepted quantities (ADR): E2
Packing instructions (ADR): P002, IBC06, R001
Special packing provisions (ADR): PP9
Mixed packing provisions (ADR): MP11

Portable tank and bulk container instructions (ADR): T3, BK1, BK2

Portable tank and bulk container special provisions (ADR): TP33

Vehicle for tank carriage: AT

Transport category (ADR): 2

Special provisions for carriage - Packages (ADR): V11

Special provisions for carriage - Bulk (ADR): VC1, VC2, AP2

Hazard identification number (Kemler No.): 40

Orange plates:



Tunnel restriction code

(ADR): E
EAC code: 1Z

Transport by sea

Special provisions (IMDG): 216, 274
Packing instructions (IMDG): P002
Special packing provisions (IMDG): PP9
IBC packing instructions (IMDG): IBC06
IBC special provisions (IMDG): B21
Tank instructions (IMDG): T3, BK2
Tank special provisions (IMDG): TP33
EmS-No. (Fire): F-A
EmS-No. (Spillage): S-I
Stowage category (IMDG): B
Properties and observations (IMDG): Mixtures of non-dangerous solids (such as soil, sand, production materials etc.) and flammable liquids.

Air transport

PCA Excepted quantities (IATA): E2
PCA Limited quantities (IATA): Y441
PCA limited quantity max net quantity (IATA): 5kg
PCA packing instructions (IATA): 445
PCA max net quantity (IATA): 15kg
CAO packing instructions (IATA): 448
CAO max net quantity (IATA): 50kg
Special provisions (IATA): A46
ERG code (IATA): 3L

Inland waterway transport

Classification code (ADN): F1
Special provisions (ADN): 216, 274, 601, 800
Limited quantities (ADN): 1 kg
Excepted quantities (ADN): E2
Carriage permitted (ADN): B
Equipment required (ADN): PP, EX, A
Ventilation (ADN): VE01, VE03
Provisions for inspection of holds during carriage

(ADN):	IN01, IN02
Number of blue cones/lights (ADN):	1
Additional requirements/ Remarks (ADN):	VE03, IN01 and IN02 apply only when this substance is carried in bulk or without packaging.

Rail transport

Classification code (RID):	F1
Special provisions (RID):	216, 274, 601
Excepted quantities (RID):	E2
Packing instructions (RID):	P002, IBC06, R001
Special packing provisions (RID):	PP9
Mixed packing provisions (RID):	MP11
Portable tank and bulk container instructions (RID):	T3, BK1, BK2
Portable tank and bulk container special provisions (RID):	TP33
Transport category (RID):	2
Special provisions for carriage – Packages (RID):	W1
Special provisions for carriage – Bulk (RID):	VC1, VC2, AP2
Colis express (express parcels) (RID):	CE11
Hazard identification number (RID):	40

15. Chemical safety assessment

REACH Annex XVII (Restriction List):	Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)
REACH Annex XIV (Authorisation List):	Contains no substance(s) listed on REACH Annex XIV (Authorisation List)
REACH Candidate List (SVHC):	Contains no substance(s) listed on the REACH Candidate List
PIC Regulation (Prior Informed Consent):	Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals).

POP Regulation (Persistent Organic Pollutants): Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants).

Ozone Regulation (1005/2009): Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148): Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004): Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

16. Other information

Data Sources: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Full text of H- and EUH-statements:	
EUH001	Explosive when dry.
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
H225	Highly flammable liquid and vapour.
H228	Flammable solid.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis

The data contained in this data sheet is based on Polyco Healthline Ltd.'s present knowledge of the health and safety properties of the product and has been reproduced from the supplier's data; it is believed to be accurate and is given in good faith.
The physical and chemical properties are typical values only and do not constitute the full specification of the product, which will be agreed separately.

Although the information and recommendations in this data sheet are to the best of Polyco Healthline Ltd.'s knowledge correct, it is recommended that the customer makes their own determination of the material's suitability for purpose, before it is used.

Polyco Healthline Ltd gives no warranty expressed or implied, with respect to such information and assumes no liability resulting from its use or to the fitness of the product

for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded, except to the extent that law prevents such exclusion.