

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier:

Derma Shield Aerosol

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

Medical device (skin protectant) for industrial, consumer, professional use.

EuPCS: PC-MED

1.3. Details of the supplier of the safety data sheet:

Information about the manufacturer:

Unigloves (UK) Limited

3 Ambley Green, Gillingham Business Park, Gillingham, ME8 0NJ

United Kingdom

Tel: +44 (0)800 049 6602

1.3.1. Responsible person:

Technical Department

E-mail:

technical@unigloves.co.uk

1.4. Emergency telephone number:

National Poisons Information Service (NPIS)

NHS 111 (England), NHS 24 (Scotland) or NHS Direct (Wales) – dial 111

In Northern Ireland contact your local GP

Healthcare Professionals: UK NPIS 0344 892 0111

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008 (CLP):

Aerosols, Hazard Category 3 – H229

Hazard statements:

H229 – Pressurised container: May burst if heated.

2.2. Label elements:

WARNING

Hazard statements:

H229 – Pressurised container: May burst if heated.

Precautionary statements:

P102 – Keep out of reach of children.

P210 – Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P251 – Do not pierce or burn, even after use.

P410 + P412 – Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

10 % by mass of the contents are flammable.

2.3. Other hazards:

The product has no other known specific hazards for human or environment.

Results of PBT and vPvB assessment: No data available.

Endocrine disrupting property: Based on available data, does not contain endocrine disruptors.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances:

Not applicable.

3.2. Mixtures:

Chemical description: Water based skin protectant in an aerosol dispenser containing propellants.

INGREDIENTS: Aqua, Propane, Butane, Palmitic Acid, Dimethicone, Palm Kernel Acid, Isopropyl Myristate, Glycerin, VP/VA Copolymer, Isobutane, Triethanolamine, Cetyl Alcohol, Cetearyl Alcohol, Ceteareth-20, Hydroxyethylcellulose, Polyperfluoromethylisopropyl Ether, Tocopheryl Acetate, Lanolin, Disodium EDTA, Aloe Barbadensis Leaf Juice, Propylene Glycol, Diazolidinyl Urea, Methylparaben, Propylparaben, Citric Acid, Sodium Benzoate, Potassium Sorbate.

Ingredients having occupational exposure limit value:

Butane (CAS: 106-97-8)

Glycerol (CAS: 56-81-5)

Propylene glycol (CAS: 57-55-6)

For more information, see Section 8.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures:

INGESTION:

Measures:

- Seek medical advice if you feel unwell.
- Do not induce vomiting.
- Rinse mouth thoroughly with plenty of water.
- If large amounts have been ingested or discomfort continues obtain medical attention.

INHALATION:

Measures:

- If symptoms are experienced, remove source of contamination, or move victim to fresh air.
- Obtain medical advice.
- Remove person to fresh air and keep comfortable for breathing.

SKIN CONTACT:

Measures:

- No health effects expected.
- If irritation does occur, flush with lukewarm, gently flowing water for 5 minutes.
- If irritation persists, obtain medical advice.

EYE CONTACT:

Measures:

- Rinse cautiously with plenty of water for several minutes or eye wash solution.
- Remove contact lenses if possible and continue to rinse.
- If any discomfort continues, obtain medical attention.

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

No acute and delayed symptoms and effects known.

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

No special treatment needed; treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media:

5.1.1. Suitable extinguishing media:

Carbon dioxide. Water spray. Dry powder. Foam.

5.1.2. Unsuitable extinguishing media:

No data available.

5.2. Special hazards arising from the substance or mixture:

Pressurised container: May burst if heated.

The aerosol containers can pressurise in the case of fire and explode.

The propellant may form explosive vapour/air mixtures and promote the spread of fire.

10 % by mass of the contents are flammable.

In case of fire, smoke and other combustion products (carbon dioxide, carbon monoxide, oxides of nitrogen, hydrocarbons) may be formed; the inhalation of such combustion products can have serious adverse effects on health.

5.3. Advice for firefighters:

Wear full protective clothing and self-contained breathing apparatus.

Do not attempt to take action without suitable protective equipment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures:

6.1.1. For non-emergency personnel:

Allow only well-trained experts wearing suitable protective clothing to abide in the field of accident.

Wear protective clothing as described in section 8 of this safety data sheet. Avoid eye contact and inhalation of vapours during the clean-up operation.

Ventilate spillage area.

6.1.2. For emergency responders:

Do not attempt to take action without suitable protective equipment. For further information refer to section 8.

6.2. Environmental precautions:

Avoid release to the environment.

Dispose of the spillage and the resulting waste according to the applicable environmental regulations. Do not allow the product and the resulting waste to enter sewers/soil/surface or ground water. Notify the respective authorities in accordance with local law in the case of environmental pollution immediately.

6.3. Methods and material for containment and cleaning up:

Recover mechanically the product. Surfaces may be slippery.

Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections:

For further and detailed information see Sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling:

Observe conventional hygiene precautions.

Do not eat, drink or smoke when using this product.

Technical measures:

Ensure good ventilation of the workstation.

Wear appropriate personal protective equipment.

Precautions against fire and explosion:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Pressurized container: Do not pierce or burn, even after use.

7.2. Conditions for safe storage, including any incompatibilities:

Technical measures and storage condition:

Protect from sunlight.

Do not expose to temperatures exceeding 50 °C/ 122 °F.

Store in a well-ventilated place.

Keep cool.

Incompatible materials: See Section 10.5.

Packaging material: Aerosol can: 50ml, 150ml, 500ml.

7.3. Specific end use(s):

No specific instructions available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters:

Occupational exposure limit values (EH40/2005 Workplace Exposure Limits):

Butane (CAS: 106-97-8): 8-hr TWA: 600 ppm, 1450 mg/m³; 15-minute: 750 ppm, 1810 mg/m³

Glycerol, mist (CAS: 56-81-5) 8-hr TWA: 10 mg/m³

Propylene glycol (CAS: 57-55-6): 8-hr TWA: 150 ppm, 474 mg/m³ (total vapour and particulates)
 8-hr TWA: 10 mg/m³ (particulates)

DNEL values		Oral exposure		Dermal exposure		Inhalative exposure	
		Short term (acute)	Long term (chronic)	Short term (acute)	Long term (chronic)	Short term (acute)	Long term (chronic)
Consumer	Local	no data	no data	no data	no data	no data	no data
	Systemic	no data	no data	no data	no data	no data	no data
Worker	Local	no data	no data	no data	no data	no data	no data
	Systemic	no data	no data	no data	no data	no data	no data

PNEC values		
Compartment	Value	Note(s)
Freshwater	no data	no notes
Marine water	no data	no notes
Freshwater sediment	no data	no notes
Marine water sediment	no data	no notes
Sewage Treatment Plant (STP)	no data	no notes
Intermittent release	no data	no notes
Secondary poisoning	no data	no notes
Soil	no data	no notes

8.2. Exposure controls:

In case of a hazardous material with no controlled concentration limit it is the employer's duty to keep concentration levels down to a minimum achievable by existing scientific and technological means, where the hazardous substance poses no harm to workers.

8.2.1. Appropriate engineering controls:

In pursuance of work is proper foresight needed to avoid spilling onto clothes and floors and to avoid contact with eyes.
 Ensure good ventilation of the workstation.

8.2.2. Individual protection measures, such as personal protective equipment:

- Eye/face protection:** Use appropriate protective glasses (EN ISO 16321-1:2022; EN 166).
- Respiratory protection:** In case of insufficient ventilation, wear suitable respiratory equipment.
- Thermal hazards:** No thermal hazards known.

8.2.3. Environmental exposure controls:

Avoid release to the environment.

The requirements detailed in Section 8 assume skilled work under normal conditions and usage of the product for appropriate aims. If conditions differ from normal or work is carried out under extreme conditions, an expert's advice is necessary before deciding upon further protective measures.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties:

Parameter	Value / Test method / Remarks
1. Physical state	mousse in aerosol dispenser
2. Colour	white
3. Odour, odour threshold	mild, pleasant, organic
4. Melting point/freezing point	no data*
5. Boiling point or initial boiling point and boiling range	no data*
6. Flammability	no data*
7. Lower and upper explosion limit	no data*

8. Flash point	no data*
9. Auto-ignition temperature	no data*
10. Decomposition temperature	no data*
11. pH	6.5 – 7.5
12. Kinematic viscosity	no data*
13. Solubility in water in other solvents	emulsion in water no data*
14. Partition coefficient n-octanol/water (log value)	no data*
15. Vapour pressure	no data*
16. Density and/or relative density	no data*
17. Relative vapour density	no data*
18. Particle characteristics	no data*

9.2. Other information:

9.2.1. Information with regard to physical hazard classes:

Explosive properties: Pressurised container: May burst if heated.

9.2.2. Other safety characteristics:

No other characteristics available.

*: The manufacturer did not carry out any tests on this parameter for the product or the results of the tests are not available at the time of publication of the data sheet, or the property is not applicable for the product.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity:

Pressurised container: May burst if heated.

10.2. Chemical stability:

Stable under normal temperature and storage conditions. Stable under recommended use.

10.3. Possibility of hazardous reactions:

Reaction with oxidising agents will promote the spread of fire.

10.4. Conditions to avoid:

Avoid extreme temperatures, above 50°C and freezing conditions. Sources of ignition.

10.5. Incompatible materials:

Oxidising agents.

10.6. Hazardous decomposition products:

In case of fire: carbon dioxide, carbon monoxide, oxides of nitrogen, hydrocarbons.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008:

Acute toxicity: Based on available data, the classification criteria are not met.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

11.1.1. Summaries of the information derived from the test conducted:

No data available.

11.1.2. Relevant toxicological properties:

No data available.

11.1.3. Information on likely routes of exposure:

Ingestion, inhalation, skin contact, eye contact.

11.1.4. Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

11.1.5. Delayed and immediate effects as well as chronic effects from short and long-term exposure:

No data available.

11.1.6. Interactive effects:

No data available.

11.1.7. Absence of specific data:

No information.

11.2. Information on other hazards:

Endocrine disrupting properties:

Endocrine disrupting property: Based on available data, does not contain endocrine disruptors.

Other information:

No data available.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity:

The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

12.2. Persistence and degradability:

Not readily biodegradable.

12.3. Bioaccumulative potential:

No data available.

12.4. Mobility in soil:

No data available.

12.5. Results of PBT and vPvB assessment:

No data available.

12.6. Endocrine disrupting properties:

Endocrine disrupting property: Based on available data, does not contain endocrine disruptors.

12.7. Other adverse effects:

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods:

Disposal according to the local regulations.

13.1.1. Information regarding the disposal of the product:

Dispose in a safe manner in accordance with local/national regulations.

Dispose of contents/container to a household waste recycling centre as hazardous waste except for empty containers which can be disposed of by recycling.

Contact your local council for details.

List of Waste Code:

No waste disposal key according to the List of Waste Code (LoW code) can be determined for this product, as only the purpose of application defined by the user enables an allocation. The LoW code number has to be determined after a discussion with a waste disposal specialist.

13.1.2. Information regarding the disposal of the packaging:

Dispose of in accordance with applicable regulations.

13.1.3. Physical/chemical properties that may affect waste treatment options shall be specified:

No data available.

13.1.4. Sewage disposal:

No data available.

13.1.5. Special precautions for any recommended waste treatment:

No data available.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number or ID number:

- UN 1950
- 14.2. UN proper shipping name:**
ADR/RID: AEROSOLS
IMDG: AEROSOLS
IATA: AEROSOLS, non-flammable
- 14.3. Transport hazard class(es):**
ADR/RID: 2
IMDG; IATA: 2.2
- 14.4. Packing group:**
No packing group.
- 14.5. Environmental hazards:**
Environmentally hazardous: No.
Marine pollutant: No.
- 14.6. Special precautions for user:**
This product is always transported as a limited quantity, < 1 litre.
Aerosols may be packed in fibreboard cartons up to 30kg gross mass or shrink/stretch wrap trays, up to a gross mass of 20kg.
ADR/RID: Limited quantities: 1L
Classification code: 5A
IATA: Consumer Commodity Code: ID8000
- 14.7. Maritime transport in bulk according to IMO instruments:**
Not applicable.

SECTION 15: REGULATORY INFORMATION

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

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive (EC) No 1999/45 and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive (EEC) No 76/769 and Commission Directives (EEC) No 91/155, (EEC) No 93/67, (EC) No 93/105 and (EC) No 2000/21

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 (EEC) No 67/548 and (EC) No 1999/45, and amending Regulation (EC) No 1907/2006

COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

COMMISSION DIRECTIVE (EU) No 2013/10 of 19 March 2013 amending Council Directive (EEC) No 75/324 on the approximation of the laws of the Member States relating to aerosol dispensers

REGULATION (EU) 2017/745 of the European Parliament and of the Council of 5 April 2017 on medical devices, amending Directive 2001/83/EC, Regulation (EC) No 178/2002 and Regulation (EC) No 1223/2009 and repealing Council Directives 90/385/EEC and 93/42/EEC

The mixture does not contain substances on the candidate list for authorisation of substances of very high concern (SVHC) under Regulation (EC) No 1907/2006 (REACH).

The product is not regulated by **Directive 2012/18/EU** (Seveso III).

The mixture does not contain any substance listed in Annex XIV of Regulation (EC) No 1907/2006 (REACH) (List of substances subject to authorisation).

15.2. Chemical safety assessment: Has not been carried out.

SECTION 16: OTHER INFORMATION

Information regarding the revision of the safety data sheet:

The safety data sheet has been revised according to Regulation (EU) 2020/878 (Section 1-16).
The composition and hazard classification of the mixture were not modified compared to the previous version.

This safety data sheet supersedes all previous versions according to Annex II of Regulation (EC) No 1907/2006.

Literature references / data sources:

Previous version of the safety data sheet (04. 06. 2025, version 8).

Methods used for the classification according to Regulation (EC) No 1272/2008:

Classification	Method
Aerosols, Hazard Category 3 – H229	Based on test methods (test data)

Relevant hazard statements (code and full text) of Sections 2 and 3:

H229 – Pressurised container: May burst if heated.

Training advice: No data available.

Full text of the abbreviations in the safety data sheet:

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.

ADR: Agreement concerning the International Carriage of Dangerous Goods by Road.

ATE: Acute Toxicity Estimate.

AOX: Adsorbable organic halides.

BCF: Bioconcentration factor.

BOD: Biological Oxygen Demand.

CAS number: Chemical Abstract Service number.

CLP: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

CMR effects: Carcinogenic, mutagenic, reprotoxic effects.

COD: Chemical Oxygen Demand.

CSA: Chemical Safety Assessment.

CSR: Chemical Safety Report.

DNEL: Derived-No-Effect-Level.

ECHA: European Chemical Agency.

EC: European Community.

EC number: EINECS and ELINCS numbers (see also EINECS and ELINCS).

EEC: European Economic Community.

EEA: European Economic Area (EU + Iceland, Liechtenstein and Norway).

EINECS: European Inventory of Existing Commercial Chemical Substances.

ELINCS: European List of Notified Chemical Substances.

EN: European Norm.

EU: European Union.

EuPCS: European Product Categorisation System.

EWC: European Waste Catalogue (replaced by LoW – see below).

GHS: Globally Harmonized System of Classification and Labelling of Chemicals.

IATA: International Air Transport Association.

ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air.

IMDG: International Maritime Dangerous Goods.

IMO: International Maritime Organization.

IMSBC: International Maritime Solid Bulk Cargoes.

IUCLID: International Uniform Chemical Information Database.

IUPAC: International Union of Pure and Applied Chemistry.

Kow: n-Octanol - Water Partition Coefficient.

LC50: Lethal concentration resulting in 50 % mortality.

LD50: Lethal dose resulting in 50 % mortality (median lethal dose).

LoW: List of Waste.

LOEC: Lowest Observed Effect Concentration.

LOEL: Lowest Observed Effect Level.

NOEC: No Observed Effect Concentration.

NOEL: No Observed Effect Level.

NOAEC: No Observed Adverse Effect Concentration.

NOAEL: No Observed Adverse Effect Level.

OECD: Organization for Economic Cooperation and Development.

OSHA: Occupational Safety and Health Administration.

PBT: Persistent, Bioaccumulative and Toxic.

PNEC: Predicted No Effect Concentration.

QSAR: Quantitative Structure Activity Relationship.

REACH: Regulation 1907/2006/EC concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals.

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail.

SCBA: Self Contained Breathing Apparatus.

SDS: Safety Data Sheet.

STOT: Specific Target Organ Toxicity.

SVHC: Substances of Very High Concern.

UN: United Nations.

UVCB: Chemical Substances of Unknown or Variable Composition, Complex Reaction Products or of Biological Materials.

VOC: Volatile Organic Compound.

vPvB: very Persistent and very Bioaccumulative.

This safety data sheet had been prepared on the basis of information provided by the manufacturer/supplier and conform to the relevant regulations.

The information, data and recommendations contained herein are provided in good faith, obtained from reliable sources and believed to be true and accurate as of the date issued; however, no representation is made as to the comprehensiveness of the information.

The SDS shall be used only as a guide for handling the product; in the course of handling and using the product other considerations may arise or be required.

Users are cautioned to determine the appropriateness and applicability of the above information to their particular circumstances and purposes and assume all risk associated with the use of this product.

It is the responsibility of the user to fully comply with local, national and international regulations concerning the use of this product.