

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 11.05.2022

Version: 2

Revision: 24.11.2021

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

- 1.1 Product identifier
- Trade name: Pro Shield
- Article number: 01697/00
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
Do not spray on flames or glowing objects.
- Application of the substance / the mixture Skin cosmetics
- 1.3 Details of the supplier of the safety data sheet
- Kryolan Australia
86 Woodlands Drive
Braeside VIC 3195
Australia
Ph: +61 3 9580 8122
- Further information obtainable from:
Section Product Safety
info@kryolan.de
- 1.4 Emergency telephone number:

Ph: +61 3 9580 8122

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008



flame

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

- 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



GHS02

- Signal word Danger
- Hazard statements
H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
- Precautionary statements
- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P103 Read carefully and follow all instructions.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P211 Do not spray on an open flame or other ignition source.
- P251 Do not pierce or burn, even after use.
- P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

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· Additional information:

Extra label elements according to Aerosol

Dispenser Directive 75/324/EC:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

- 2.3 Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- 3.2 Chemical characterisation: Mixtures
- Description: Mixture of substances listed below with nonhazardous additions.

· Dangerous components:

CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-00-0	isobutane ----- ⚠ Flam. Gas 1A, H220 ⚠ Press. Gas (Comp.), H280	3-7%
CAS: 56-81-5 EINECS: 200-289-5	Glycerol Consisting of: 7732-18-5 water, distilled, conductivity or of similar purity (13.5%) substance with a Community workplace exposure limit	3-7%
CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0	butane, pure ----- ⚠ Flam. Gas 1A, H220 ⚠ Acute Tox. 3, H331 ⚠ Press. Gas (Comp.), H280	0.1-<1%

· Not dangerous substances:

CAS: 7732-18-5 EINECS: 231-791-2	water, distilled, conductivity or of similar purity
CAS: 55963-33-2	DISTARCH PHOSPHATE
CAS: 6309-51-9	ISOAMYL LAURATE
CAS: 31566-31-1	Glyceryl Stearat
CAS: 67762-27-0 EINECS: 267-008-6	Alcohols, C16-18
CAS: 2425-77-6	2-Hexyl-1-decanol
CAS: 34362-27-1	2-hexyldecyl laurate
CAS: 50-70-4 EINECS: 200-061-5	D-glucitol
CAS: 8007-69-0 EINECS: 291-063-5	Almond oil, sweet
CAS: 68187-30-4	L-glutamic acid, N-coco acyl derivatives, disodium salts
CAS: 122-99-6 EINECS: 204-589-7 Index number: 603-098-00-9	2-Phenoxyethanol ----- ⚠ Acute Tox. 4, H302; Eye Irrit. 2, H319
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5	propane ----- ⚠ Flam. Gas 1A, H220 ⚠ Press. Gas (Comp.), H280

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CAS: 7695-91-2 EINECS: 231-710-0	3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-yl acetate
CAS: 73398-61-5 EINECS: 277-452-2	Glycerides, mixed decanoyl and octanoyl
CAS: 36653-82-4 EINECS: 253-149-0	1-Hexadecanol
CAS: 194043-92-0	BUTYROSPERMUM PARKII (SHEA BUTTER)
CAS: 70445-33-9 ELINCS: 408-080-2 Index number: 603-168-00-9	3-(2-ethylhexyloxy)propane-1,2-diol  Eye Dam. 1, H318  Aquatic Chronic 3, H412

· Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- 4.1 Description of first aid measures
 - After inhalation: Supply fresh air; consult doctor in case of complaints.
 - After skin contact: Wash off with water and soap.
 - After eye contact: Rinse opened eye for several minutes under running water.
 - After swallowing:
 - Seek medical treatment in case of complaints.
 - Purge mouth and drink plenty of water in small swallows. Do not force vomiting
- 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: Use fire extinguishing methods suitable to surrounding conditions.
- 5.2 Special hazards arising from the substance or mixture
 - No further relevant information available.
- 5.3 Advice for firefighters
 - Protective equipment:
 - Wear self-contained respiratory protective device.
 - no special conditions required.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
 - Wear protective equipment. Keep unprotected persons away.
- 6.2 Environmental precautions:
 - Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up:
 - Ensure adequate ventilation.
- 6.4 Reference to other sections
 - See Section 7 for information on safe handling.
 - See Section 8 for information on personal protection equipment.
 - See Section 13 for disposal information.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling
 - No special precautions are necessary if used correctly.

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- Information about fire - and explosion protection: Keep ignition sources away - Do not smoke.
- 7.2 Conditions for safe storage, including any incompatibilities
- Storage:
 - Requirements to be met by storerooms and receptacles: Observe official regulations on storing packagings with pressurised containers.
- Information about storage in one common storage facility: Store away from foodstuffs.
- 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

- 8.1 Control parameters
- Additional information about design of technical facilities: No further data; see item 7.

- Ingredients with limit values that require monitoring at the workplace:

56-81-5 Glycerol

WEL Long-term value: 10 mg/m³

106-97-8 butane, pure

WEL	Short-term value: 1810 mg/m ³ , 750 ppm
	Long-term value: 1450 mg/m ³ , 600 ppm
	Carc (if more than 0.1% of buta-1.3-diene)

- 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: Wash hands before breaks and at the end of work.
 - Respiratory protection: Not required.
 - Protection of hands:
 - The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
 - Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
 - 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: Not required.

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
- General Information
- Appearance:

Form:	Aerosol
Colour:	According to product specification
- Odour: Characteristic
- Odour threshold: Not determined.
- pH-value: Not determined.

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· Change in condition	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	Not applicable, as aerosol.
· Flash point:	Not applicable, as aerosol.
· Flammability (solid, gas):	Not applicable.
· Ignition temperature:	400 °C
· Decomposition temperature:	Not determined.
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Not determined.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapour pressure at 20 °C:	23 hPa
· Density:	Not determined.
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with water:	Fully miscible.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	7.7 %
Water:	66.6 %
VOC (EC)	8.85 %
Solids content:	7.8 %
· 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity No further relevant information available.
- 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 No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
- Acute toxicity Based on available data, the classification criteria are not met.

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- Primary irritant effect:
- 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.
- Additional toxicological information:
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
- 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.

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 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- 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
- Recommendation
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.
- Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

- | | |
|--------------------------------|---------------------|
| · 14.1 UN-Number | |
| · ADR, IMDG, IATA | UN1950 |
| · 14.2 UN proper shipping name | |
| · ADR | 1950 AEROSOLS |
| · IMDG | AEROSOLS |
| · IATA | AEROSOLS, flammable |

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- 14.3 Transport hazard class(es)

- ADR



- Class 2 5F Gases.
- Label 2.1

- IMDG, IATA



- Class 2.1 Gases.
- Label 2.1

- 14.4 Packing group
- ADR, IMDG, IATA

Void

- 14.5 Environmental hazards:

Not applicable.

- 14.6 Special precautions for user
- Hazard identification number (Kemler code):
- EMS Number:
- Stowage Code

Warning: Gases.
 -
 F-D,S-U
 SW1 Protected from sources of heat.
 SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
 SG69 For AEROSOLS with a maximum capacity of 1 litre:
 Segregation as for class 9. Stow "separated from" class 1 except for division 1.4.
 For AEROSOLS with a capacity above 1 litre:
 Segregation as for the appropriate subdivision of class 2.
 For WASTE AEROSOLS:
 Segregation as for the appropriate subdivision of class 2.

- Segregation Code

- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

- Transport/Additional information:

- ADR
- Limited quantities (LQ) 1L
- Excepted quantities (EQ) Code: E0
Not permitted as Excepted Quantity
- Transport category 2
- Tunnel restriction code D

- IMDG

- Limited quantities (LQ) 1L
- Excepted quantities (EQ) Code: E0
Not permitted as Excepted Quantity

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· UN "Model Regulation":

UN 1950 AEROSOLS, 2.1

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Directive 2012/18/EU
- Named dangerous substances - ANNEX I None of the ingredients is listed.
- Seveso category P3a FLAMMABLE AEROSOLS
- Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant phrases
 - H220 Extremely flammable gas.
 - H280 Contains gas under pressure; may explode if heated.
 - H302 Harmful if swallowed.
 - H318 Causes serious eye damage.
 - H319 Causes serious eye irritation.
 - H331 Toxic if inhaled.
 - H412 Harmful to aquatic life with long lasting effects.
- Department issuing SDS: Section Product Safety
- Contact:
 -
 - Lars Köppling
 - Email: l.koeppling@kryolan.com
- Abbreviations and acronyms:
 - ADR: Accord relatif au transport international 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 Harmonised System of Classification and Labelling of Chemicals
 - 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)
 - VOC: Volatile Organic Compounds (USA, EU)
 - PBT: Persistent, Bioaccumulative and Toxic
 - vPvB: very Persistent and very Bioaccumulative
 - Flam. Gas 1A: Flammable gases – Category 1A
 - Aerosol 1: Aerosols – Category 1
 - Press. Gas (Comp.): Gases under pressure – Compressed gas
 - Acute Tox. 3: Acute toxicity – Category 3
- * Data compared to the previous version altered.