

SAFETY DATA SHEET

According to EC Regulation 1907/2006/EC - revision 2020/878

Revision No. 4.7

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

1.1. Product identifier

Product Name: EXADERM
Product Code: 11000729A1 (CLP)

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

Recommended use

Protective cream.

1.3. Details of the supplier of the safety data sheet

NCH UK & Ireland,
Arrowmere House, Bilston,
WV14 0QL
Tel (UK): 01902 510200, Tel (Ireland): 042 939 5502
E-mail address: technical_uk@nch.com
Website address: www.ncheurope.com

1.4. Emergency telephone number

UK - 01902 510200 (available during Office Hours)
In Republic of Ireland (available from 8am to 10pm daily): 01 809 2166

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP/GHS) and its adaptations

Aerosols: Category 3
H229 - Pressurised container: May burst if heated

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP/GHS)

Signal word Warning

Hazard statements

H229 - Pressurised container: May burst if heated

Precautionary statements

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
Keep out of reach of children
5% by mass of the contents are flammable.
For industrial and institutional use only.

2.3. Other hazards

No additional hazards identified.

The components in this formulation do not meet the criteria for classification as PBT or vPvB. As defined under the regulation EC 1907/2006.

SECTION 3. COMPOSITION / INFORMATION OF INGREDIENTS

3.2 Mixture

Chemical name	CAS No	EC No (EU Index Index No)	EU - REACH reg number	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Notes
BUTANE	106-97-8	203-448-7	01-2119474691-32	3 - < 5	Press. Gas (H280) Flam. Gas 1 (H220)	K
PROPYLENE GLYCOL (INCI)	57-55-6	200-338-0	01-2119456809-23	1 - < 3	-	
TRIETHANOLAMINE (INCI)	102-71-6	203-049-8	01-2119486482-31	1 - < 3	-	

This mixture contains substances with a Community workplace exposure limit. For any H statements mentioned in this section, see the full text

in section 16.

EU Notes

Note K - The classification as a carcinogen or mutagen does not apply as the substance contains less than 0.1% w/w 1,3-butadiene

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

General advice

Get medical attention immediately if symptoms occur.

Eye Contact

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.

Skin Contact

Skin care product - However, if adverse effects occur, rinse thoroughly with water and discontinue use.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Rinse mouth with water.

Inhalation

Move to fresh air. If symptoms persist, call a doctor.

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

Sensitisation

Skin care product - Sensitization possible if user is susceptible to any of the ingredients.

Eye contact

May cause irritation as itching and redness.

Skin contact

Unlikely to be irritant.

Inhalation

May cause headaches, dizziness, drowsiness and nausea.

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

Notes to physician

Treat Symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use: Dry powder. Alcohol-resistant foam. Carbon dioxide (CO₂). Water spray.

Extinguishing media which must not be used for safety reasons

Water jet.

5.2. Special hazards arising from the substance or mixture

Material can create slippery conditions. Pressurized container. Keep product and empty container away from heat and sources of ignition.

5.3. Advice for firefighters

Firefighters should wear a self-contained breathing apparatus and full protective gear. Cool fire-exposed containers with water spray to prevent bursting.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.

6.2. Environmental precautions

No special environmental precautions required.

6.3. Methods and material for containment and cleaning up

Methods for Containment

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Methods for Cleaning up

For the non volatile residues: Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

Refer to sections 7, 8 and 13.

SECTION 7. HANDLING AND STORAGE**7.1. Precautions for safe handling**

Cosmetic product - see label for list of ingredient (allergens if present). Avoid contact with eyes.

7.2. Conditions for safe storage, including any incompatibilities

Use within its shelf life. Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

No information available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters**Exposure Limits

If vapours, fumes or mists are generated, their concentration in the workplace area should be kept to the lowest reasonable level. For substances.

Chemical name	European Union	The United Kingdom	France	Germany	Austria
BUTANE		STEL: 750 ppm STEL: 1810 mg/m ³ TWA: 600 ppm TWA: 1450 mg/m ³	VME: 800 ppm VME: 1900 mg/m ³	AGW: 1000 ppm AGW: 2400 mg/m ³ Spitzenbegr.: 4000 ppm Spitzenbegr.: 9600 mg/m ³ MAK: 1000 ppm MAK: 2400 mg/m ³	STEL: 1600 ppm STEL: 3800 mg/m ³ TWA: 800 ppm TWA: 1900 mg/m ³
PROPYLENE GLYCOL (INCI)		STEL: 450 ppm total particulate and vapour STEL: 1422 mg/m ³ total particulate and vapour STEL: 30 mg/m ³ particulate TWA: 150 ppm total particulates and vapour TWA: 474 mg/m ³ total particulates and vapour TWA: 10 mg/m ³ particulates			
TRIETHANOLAMINE (INCI)				AGW: 1 mg/m ³ Spitzenbegr.: 1 mg/m ³ MAK: 1 mg/m ³ Bem.: DFG, Y	STEL: 1.6 ppm STEL: 10 mg/m ³ TWA: 0.8 ppm TWA: 5 mg/m ³

Chemical name	Spain	Portugal	Italy	The Netherlands	Switzerland
BUTANE	TVA: 1000 ppm	TWA: 1000 ppm			STEL: 3200 ppm STEL: 7200 mg/m ³ TWA: 800 ppm TWA: 1900 mg/m ³ TWA: 1000 ppm
TRIETHANOLAMINE (INCI)	TWA: 5 mg/m ³	TWA: 5 mg/m ³			STEL: 5 mg/m ³ TWA: 5 mg/m ³

Chemical name	Denmark	Finland	Norway	Sweden	Czech
BUTANE	TWA: 500 ppm TWA: 1200 mg/m ³	HTP (8h): 800 ppm HTP (8h): 1900 mg/m ³ HTP (15min): 1000 ppm HTP (15min): 2400 mg/m ³	TWA: 250 ppm TWA: 600 mg/m ³		
PROPYLENE GLYCOL (INCI)			TWA: 25 ppm TWA: 79 mg/m ³		
TRIETHANOLAMINE (INCI)	TWA: 0.5 ppm TWA: 3.1 mg/m ³	HTP (8h): 5 mg/m ³	TWA: 5 mg/m ³	NGV: 5 mg/m ³ NGV: 0.8 ppm KGV: 10 mg/m ³ KGV: 1.6 ppm Hud	PEL: 5mg/m ³ NPK-P: 10mg/m ³

Chemical name	Poland	Ireland
BUTANE	NDSch: 3000 mg/m ³	TWA: 1000 ppm

	NDS: 1900 mg/m ³	STEL: 3000 ppm
PROPYLENE GLYCOL (INCI)	NDS: 100 mg/m ³	TWA: 10 mg/m ³ TWA: 150 ppm TWA: 470 mg/m ³ STEL: 1410 mg/m ³ STEL: 30 mg/m ³ STEL: 450 ppm
TRIETHANOLAMINE (INCI)		TWA: 5 mg/m ³ STEL: 15 mg/m ³

DNEL (Derived No-Effect Level)

Chemical name	EU - REACH (1907/2006) (1907/2006) - DNEL	EU - REACH (1907/2006) (1907/2006) - DNEL	EU - REACH (1907/2006) - DNEL	EU - REACH (1907/2006) (1907/2006) - DNEL
PROPYLENE GLYCOL (INCI)	workers general population general population workers	inhalation inhalation inhalation inhalation	long term exposure - local effects long term exposure - local effects long term exposure - systemic effects long term exposure - systemic effects	10 mg/m ³ 10 mg/m ³ 50 mg/m ³ 168 mg/m ³
TRIETHANOLAMINE (INCI)	general population workers general population general population workers general population workers	inhalation inhalation dermal oral dermal dermal dermal	long term exposure - local effects long term exposure - local effects long term exposure - systemic effects long term exposure - systemic effects long term exposure - systemic effects long term exposure - local effects long term exposure - local effects	0.4 mg/m ³ 1 mg/m ³ 2.66 mg/kg bw/day 3.3 mg/kg bw/day 7.5 mg/kg bw/day 70 µg/cm ² 140 µg/cm ²

PNEC (Predicted No-Effect Concentration)

Chemical name	EU - REACH (1907/2006) - PNEC	EU - REACH (1907/2006) - PNEC
PROPYLENE GLYCOL (INCI)	freshwater marine water freshwater (intermittent releases) sediment (freshwater) sediment (marine water) sewage treatment soil	260 mg/L 26 mg/L 183 mg/L 572 mg/kg sediment dw 57.2 mg/kg sediment dw 20000 mg/L 50 mg/kg soil dw
TRIETHANOLAMINE (INCI)	freshwater marine water freshwater (intermittent releases) sediment (freshwater) sediment (marine water) sewage treatment soil	0.32 mg/L 0.032 mg/L 5.12 mg/L 1.7 mg/kg sediment dw 0.17 mg/kg sediment dw 10 mg/L 0.151 mg/kg soil dw

8.2. Exposure controlsEngineering Measures

General ventilation is normally adequate.

Personal Protective Equipment

Cosmetic product - Personal Protective equipment not normally required.

Respiratory Protection

Cosmetic product - Personal Protective equipment not normally required.

Hand Protection

Cosmetic product - Hand protection not required.

Eye Protection

Large volumes - Safety glasses if the method of use presents the likelihood of eye contact.

General Hygiene Considerations

Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

Information below relates to typical values and does not constitute a specification.

Appearance
Odour

White Foam
Perfume

Physical state	Liquid
pH	8
Flash Point	Not applicable
Specific gravity	0.998
Viscosity	Viscous
Solubility	Insoluble in water
Autoignition Temperature	No information available
Boiling Point/Range	-5 °C
Melting Point/Range	Not applicable
Flammability Limits in Air %	No information available
Evaporation Rate	No information available
Vapour pressure	No information available
Relative vapour density	No information available
Explosive properties	No information available
Oxidising Properties	No information available
VOC content	7.4 %

9.2. Other information

No other information available

SECTION 10. STABILITY AND REACTIVITY**10.1. Reactivity**

Not considered as highly reactive. See further information below.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

The mixture itself will not dangerously react or polymerise to create hazardous conditions in normal use.

10.4. Conditions to avoid

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. Keep away from open flames, hot surfaces, and sources of ignition.

10.5. Incompatible materials

No materials to be specially mentioned.

10.6. Hazardous decomposition products

None under normal storage conditions and use.

SECTION 11. TOXICOLOGICAL INFORMATION**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**Product Information

The product itself has not been tested.

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
BUTANE			= 658 g/m ³ (Rat) 4 h
PROPYLENE GLYCOL (INCI)	= 20 g/kg (Rat)	= 20800 mg/kg (Rabbit)	
TRIETHANOLAMINE (INCI)	= 4190 mg/kg (Rat)	> 20000 mg/kg (Rabbit) > 2000 mg/kg (Rat)	

Sensitisation

Skin care product - Sensitization possible if user is susceptible to any of the ingredients.

Skin contact

Unlikely to be irritant.

Inhalation

May cause headaches, dizziness, drowsiness and nausea.

Eye contact

May cause irritation as itching and redness.

Carcinogenicity

There are no known carcinogenic substances in this product.

Mutagenic Effects

There are no known mutagenic substances in this product.

Reproductive Effects

There are no known substances in this product with effects on reproduction.

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

11.2 Information on Other Hazards

Contains a substance present on the Endocrine Disrupter Assessment list (ECHA)

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

Product Information

The product itself has not been tested.

Chemical name	Toxicity to Fish	Crustacea	Toxicity to Algae
PROPYLENE GLYCOL (INCI)	LC50 41 - 47 mg/L Oncorhynchus mykiss 96 h LC50 = 51400 mg/L Pimephales promelas 96 h LC50 = 51600 mg/L Oncorhynchus mykiss 96 h LC50 = 710 mg/L Pimephales promelas 96 h	1000: 48 h Daphnia magna mg/L EC50 Static	EC50 = 19000 mg/L Pseudokirchneriella subcapitata 96 h
TRIETHANOLAMINE (INCI)	LC50 10600 - 13000 mg/L Pimephales promelas 96 h LC50 450 - 1000 mg/L Lepomis macrochirus 96 h LC50 > 1000 mg/L Pimephales promelas 96 h		EC50 = 169 mg/L Desmodesmus subspicatus 96 h EC50 = 216 mg/L Desmodesmus subspicatus 72 h

12.2. Persistence and degradability

Ecotoxicological properties are substance specific, i.e. bioaccumulation, persistence and degradability. The information is given, where available and appropriate, for substance(s) of the mixture.

12.3. Bioaccumulative potential

Not likely to bioaccumulate. Component information below.

Chemical name	Partition coefficient
BUTANE	2.89
TRIETHANOLAMINE (INCI)	-2.53

12.4. Mobility in soil

Partially soluble in water.

12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB. As defined under the regulation EC 1907/2006.

12.6 Endocrine disrupting properties

The product contains a substance that have been identified as an endocrine disruptor

12.7 Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from Residues / Unused Products

Small quantities, dilute with water and flush down the waste water drain. For large quantities - Dispose of in accordance with local regulations.

Contaminated Packaging

Empty remaining contents. Empty containers should be taken for local recycling, recovery or waste disposal. Recycle according to official regulations.

EWC waste disposal No

The following EWC/ AVV waste codes may be applicable:

16 05 04* gases in pressure containers (including halons) containing dangerous substances

Other Information

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific

SECTION 14. TRANSPORT INFORMATION

14.1, 14.2, 14.3, 14.4.

IMDG/IMO

UN number or ID number	UN1950
Proper Shipping Name	Aerosols, asphyxiant
Transport hazard class(es)	2.2
EmS-No	F-D, S-U

ADR / RID

UN number or ID number	UN1950
Transport hazard class(es)	2.2
Classification code	5A
Limited Quantity	1 L
Transport Cat. (Tunnel Restriction Code)	3 (E)

IATA/ICAO

UN number or ID number	UN1950
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Transport hazard class(es) 2.2
ERG Code 2L

14.5. Environmental hazards

The mixture is not environmentally hazardous for transport

14.6. Special precautions for user

No special precautions.

14.7 Maritime transport in bulk according to IMO instruments

Packaged product, not typically transported in IBC's

Additional information

The above information is based on latest transport regulations i.e. ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport.

SECTION 15. REGULATORY INFORMATION

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

This mixture was classified in compliance with EC Regulation 1272/2008 (CLP) and its adaptations.

This is a cosmetic product and complies with the Cosmetic Directive (96/335/EC) including amendment 2006/257/EC. Cosmetic products are not subject to classification by directive 1999/45/EC. This is a leave-on cosmetic product.

Allergenic fragrances (Directive 76/768/EEC)

Hydroxycitronellal

Benzyl Benzoate

Limonene

Linalool

Hexyl Cinnamal

Geraniol

Citronellol

15.2. Chemical safety assessment

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

SECTION 16. OTHER INFORMATION

Text of H statements mentioned in Section 3

H220 - Extremely flammable gas. H280 - Contains gas under pressure; may explode if heated.

Prepared By Austen Pimm

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Revision summary

SDS sections updated 9, 16 8

Abbreviations

REACH: Registration Evaluation Authorisation Restriction of Chemicals

EU: European Union

EC: European community

EEC: European Economic Community

UN: United Nations

CAS: Chemical Abstracts Service

PBT: Persistent Bioaccumulative Toxic

vPvB: very Persistent very Bioaccumulative

LC50: Lethal concentration, 50 percent

LD50 : Lethal dose, 50 percent

EC50: Effective concentration, 50 percent

LogPow: LogP octanol/water

VwVwS: Verwaltungsvorschrift wassergefährdende Stoffe (Administrative order relating to substances hazardous to water - Germany)

WGK: Wassergefährdungskategorie (Water Hazard Class - Germany).

AVV: Abfallverzeichnis-Verordnung (Waste Code - Germany)

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route (European agreement governing the international carriage of dangerous goods by road)

IMDG: International Maritime Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations concerning the International carriage of Dangerous goods by rail)

EmS: Emergency Response Procedures for Ships Carrying Dangerous Goods

ERG: Emergency Response Guidebook

IUCLID / RTECS International Uniform Chemical Information Database / Registry of Toxic Effects of Chemical Substances

GHS: Globally Harmonised System of classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

VOC: Volatile Organic Chemical

w/w: weight for weight

DMSO: Dimethyl sulphoxide

OECD: Organization for Economic Cooperation and Development

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

Further Information

Component test results displayed in sections 11 and 12 are typically supplied by Chemadvisor and assembled from publicly available literature literature sources e.g. IUCLID / RTECS

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet