SAFETY DATA SHEET EXADERM

According to EC Regulation 1907/2006/EC - revision 2015/830

Revision No. 4.3

Print Date 29/01/2019 **Creation Date** 02/02/2015 **Revision Date** 21/01/2019

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, NCH House, Springvale Avenue, 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 - REACH reg number	Weight-%	EU - GHS/CLP Classification	Notes
BUTANE	106-97-8	203-448-7	01-2119474691-32	3 - < 5	Press. Gas 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 physician.

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-combustable 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	TWA: 800 ppm TWA: 1900 mg/m^3	AGW: 1000ppm AGW: 2400mg/m^3 Peak: 4000ppm Peak: 9600mg/m^3 TWA: 1000ppm TWA: 2400mg/m^3	STEL: 1600 ppm STEL: 3800 mg/m^3 TWA: 800 ppm TWA: 1900 mg/m^3
PROPYLENE GLYCOL (INCI)		STEL: 450 ppm STEL: 1422 mg/m^3 STEL: 30 mg/m^3 TWA: 150 ppm TWA: 474 mg/m^3 TWA: 10 mg/m^3			
TRIETHANOLAMINE (INCI)				Peak: 20mg/m^3 TWA: 5mg/m^3	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: 20 mg/m^3 TWA: 5 mg/m^3

Chemical Name	Denmark	Finland	Norway	Sweden	Czech
BUTANE	TWA: 500 ppm TWA: 1200 mg/m^3	TWA: 800 ppm STEL: 1000 ppm	TWA: 250 ppm TWA: 600 mg/m^3 TWA: 40 ppm TWA: 275 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	TWA: 5 mg/m^3	TWA: 5 mg/m^3	5 mg/m^3 0.8 ppm 10 mg/m^3 1.6 ppm	PEL: 5mg/m^3 NPK-P: 10mg/m^3

Chemical Name	Poland	Ireland
BUTANE	NDSCh: 3000 mg/m^3 NDS: 1900 mg/m^3	TWA: 1000 ppm STEL: 3000 ppm
PROPYLENE GLYCOL (INCI)		TWA: 150 ppm TWA: 470 mg/m^3 TWA: 10 mg/m^3 STEL: 450 ppm STEL: 1410 mg/m^3 STEL: 30 mg/m^3
TRIETHANOLAMINE (INCI)		TWA: 5 mg/m^3 STEL: 15 mg/m^3

8.2. Exposure controls

Engineering 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 practise. 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	White Foam	**Specific Gravity**	0.998
Physical State	Liquid	**Solubility**	Insoluble in water
Odour	Perfume	**Autoignition Temperature**	No information available.
pH	8	**Viscosity**	Viscous
Melting Point/Range	Not applicable.	**Explosive properties**	No information available
Boiling Point/Range	-5 °C	**Oxidizing Properties**	No information available.
Flash Point	Not applicable.	**VOC Content (%)**	7.4 %
Evaporation Rate	No information available.		
Flammability Limits in Air %	No information available.		
Vapor Pressure	No information available.		
Vapor Density	No information available.		

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 toxicological effects
Product Information
The product itself has not been tested.

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

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.

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

Product Information

The product itself has not been tested.

Chemical Name	Toxicity to Fish	Water Flea	Toxicity to Algae
PROPYLENE GLYCOL (INCI)	LC50 = 51600 mg/L Oncorhynchus mykiss 96 h LC50 41 - 47 mL/L Oncorhynchus mykiss 96 h LC50 = 51400 mg/L Pimephales promelas 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 > 1000 mg/L Pimephales promelas 96 h LC50 450 - 1000 mg/L Lepomis macrochirus 96 h		EC50 = 216 mg/L Desmodesmus subspicatus 72 h EC50 = 169 mg/L Desmodesmus subspicatus 96 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	log Pow
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. 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	UN1950
UN proper shipping name	Aerosols, asphyxiant
Hazard Class	2.2
EmS	F-D, S-U

ADR / RID

UN-No	UN1950
Hazard Class	2.2
Classification Code	5A
Limited Quantity	1 L
Transport Cat. (Tunnel Restriction Code)	3 (E)

IATA/ICAO

UN-No	UN1950
Hazard Class	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. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

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.

Prepared By Austen Pimm
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Revision summary

SDS sections updated 9, 16

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: Wassergefahrdungsklasse (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: Reglement international concernant le transport des merchandises dangereuses par chemin der 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 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

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End of Safety Data Sheet