

Neutradol Original Gel

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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

1.1. Product identifier

Product form : Mixture
Product name : Neutradol Original Gel
Product code : 12AS
Type of product : Odour neutraliser

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

1.2.1. Relevant identified uses

Intended for general public

Main use category : Consumer use

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

M S George Limited
St. George's House, 13-17 St. George's Road,
Richmond, Surrey, TW9 2LE - United Kingdom
T +44(0)20 8332 1515 - F +44(0)20 8332 1771
sales@msg.co.uk

1.4. Emergency telephone number

Emergency number : +44(0)20 8332 1515
Office hours only.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazardous to the aquatic environment — H412

Chronic Hazard, Category 3

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP) : -
Hazard statements (CLP) : H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements (CLP) : P102 - Keep out of reach of children.
P273 - Avoid release to the environment.
EUH-statements : EUH208 - Contains EUCALYPTOL, Hexyl cinnamic aldehyde, EUGENOL, Butylphenyl methylpropional, ALPHA-PINENES, D-LIMONENE, GERANIOL, CITRONELLOL, CITRONELLAL, BENZISOTHIAZOLINONE. May produce an allergic reaction.
Security closing plug for children : Not applicable
Tactile warning : Not applicable

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
EUCALYPTOL	(CAS-No.) 470-82-6 (EC-No.) 207-431-5 (REACH-no) 01-2119967772-24	0.1 - 1	Flam. Liq. 3, H226 Skin Sens. 1, H317
ALPHA PINENE NATURAL	(CAS-No.) 80-56-8 (EC-No.) 201-291-9 (REACH-no) 01-2119519223-49	< 1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
HEXYL CINNAMAL	(CAS-No.) 101-86-0 (EC-No.) 202-983-3 (REACH-no) 01-2119533092-50	< 1	Skin Irrit. 2, H315 Skin Sens. 1, H317
EUGENOL	(CAS-No.) 97-53-0 (EC-No.) 202-589-1 (REACH-no) 01-2119971802-33	< 1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
Butylphenyl Methylpropional	(CAS-No.) 80-54-6 (EC-No.) 201-289-8 (REACH-no) 01-2119485965-18	0.1 - 1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Skin Sens. 1, H317 Repr. 2, H361f Aquatic Chronic 2, H411
Turpentine oil	(CAS-No.) 8006-64-2 (EC-No.) 232-350-7 (EC Index-No.) 650-002-00-6	< 1	Asp. Tox. 1, H304 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Sens. 1, H317 Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Aquatic Chronic 2, H411 Flam. Liq. 3, H226 Skin Irrit. 2, H315
(R)-p-mentha-1,8-diene, d-limonene (Note C)	(CAS-No.) 5989-27-5 (EC-No.) 227-813-5 (EC Index-No.) 601-029-00-7 (REACH-no) 01-2119529223-47	< 1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
3,7-dimethyl-6-octen-1-ol (citronellol)	(CAS-No.) 106-22-9 (EC-No.) 203-375-0 (REACH-no) 01-2119453995-23	< 1	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411
Cinnamyl alcohol	(CAS-No.) 104-54-1 (EC-No.) 203-212-3	< 1	Skin Sens. 1, H317
Citronellal	(CAS-No.) 106-23-0 (EC-No.) 203-376-6	< 1	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411
isopentyl acetate substance with a Community workplace exposure limit (Note C)	(CAS-No.) 123-92-2 (EC-No.) 204-662-3 (EC Index-No.) 607-130-00-2	< 1	Flam. Liq. 3, H226
2,6- octadien-1-ol,3,7- dimethyl-,(2E)-	(CAS-No.) 106-24-1 (EC-No.) 203-377-1 (REACH-no) 01-2119552430-49	< 1	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317
1,2-benzisothiazol-3(2H)-one	(CAS-No.) 2634-33-5 (EC-No.) 220-120-9 (EC Index-No.) 613-088-00-6	< 0.1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400
Sodium Hydroxide substance with national workplace exposure limit(s) (GB)	(CAS-No.) 1310-73-2 (EC-No.) 215-185-5 (EC Index-No.) 011-002-00-6 (REACH-no) 01-2119457892-27	< 0.1	Skin Corr. 1A, H314

Specific concentration limits:

Name	Product identifier	Specific concentration limits
1,2-benzisothiazol-3(2H)-one	(CAS-No.) 2634-33-5 (EC-No.) 220-120-9 (EC Index-No.) 613-088-00-6	(C >= 0.05) Skin Sens. 1, H317
Sodium Hydroxide	(CAS-No.) 1310-73-2 (EC-No.) 215-185-5 (EC Index-No.) 011-002-00-6 (REACH-no) 01-2119457892-27	(0.5 =<C < 2) Eye Irrit. 2, H319 (0.5 =<C < 2) Skin Irrit. 2, H315 (2 =<C < 5) Skin Corr. 1B, H314 (C >= 5) Skin Corr. 1A, H314

Note C : Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

Full text of H-statements: see section 16

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SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Get medical advice/attention if you feel unwell.
- First-aid measures after inhalation : Not expected to present a significant inhalation hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.
- First-aid measures after skin contact : Wash skin with plenty of water.
- First-aid measures after eye contact : Rinse eyes with water as a precaution.
- First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

- Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.
- Symptoms/effects after inhalation : Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
- Symptoms/effects after skin contact : None under normal use. May cause slight irritation.
- Symptoms/effects after eye contact : None under normal use. May cause slight irritation.
- Symptoms/effects after ingestion : None under normal use. May cause slight irritation.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Not flammable.
- Explosion hazard : Product is not explosive.
- Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Protective equipment : Not required for normal conditions of use.
- Emergency procedures : Ventilate spillage area.

6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Mechanically recover the product.
- Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13. For further information refer to section 8: "Exposure controls/personal protection".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Does not require any specific or particular technical measures.
- Storage conditions : Store in a well-ventilated place. Keep cool.

7.3. Specific end use(s)

Odour neutraliser.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Sodium Hydroxide (1310-73-2)		
United Kingdom	Local name	Sodium hydroxide
United Kingdom	WEL STEL (mg/m ³)	2 mg/m ³
United Kingdom	Regulatory reference	EH40. HSE
isopentyl acetate (123-92-2)		
EU	Local name	Isopentylacetate
EU	IOELV TWA (mg/m ³)	270 mg/m ³
EU	IOELV TWA (ppm)	50 ppm
EU	IOELV STEL (mg/m ³)	540 mg/m ³
EU	IOELV STEL (ppm)	100 ppm
EU	Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protective equipment:

under the recommended handling conditions: not required.

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Environmental exposure controls:

Avoid release to the environment.

Consumer exposure controls:

Use as directed on label.

Other information:

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Gel.
Colour	: Blue.
Odour	: Sweet.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available

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Relative density	: Not applicable
Solubility	: Soluble in water.
Log Pow	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: No data available
Explosive properties	: Product is not explosive.
Oxidising properties	: Oxidising solids Not applicable.
Explosive limits	: Not applicable

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

1,2-benzisothiazol-3(2H)-one (2634-33-5)	
LD50 oral	1020 mg/kg bodyweight
LD50 dermal	4115 mg/kg bodyweight
LC50 inhalation rat (Dust/Mist - mg/l/4h)	100 mg/l
EUCALYPTOL (470-82-6)	
LD50 oral	2480 mg/kg bodyweight
Butylphenyl Methylpropional (80-54-6)	
LD50 oral rat	1390 mg/kg
LD50 oral	1390 mg/kg bodyweight
LD50 dermal	> 5000 mg/kg bodyweight
Cinnamyl alcohol (104-54-1)	
LD50 oral	2500 mg/kg bodyweight
ALPHA PINENE NATURAL (80-56-8)	
LD50 oral	3500 mg/kg bodyweight
LD50 dermal	> 5000 mg/kg bodyweight
HEXYL CINNAMAL (101-86-0)	
LD50 oral	> 2450 mg/kg bodyweight
LD50 dermal	> 3000 mg/kg bodyweight
LC50 inhalation rat (Dust/Mist - mg/l/4h)	> 5000 mg/l
EUGENOL (97-53-0)	
LD50 oral	2300 mg/kg bodyweight
LD50 dermal	> 2000 mg/kg bodyweight
LC50 inhalation rat (Dust/Mist - mg/l/4h)	> 2580 mg/l
2,6- octadien-1-ol,3,7- dimethyl-,(2E)- (106-24-1)	
LD50 oral	3600 mg/kg bodyweight

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2,6- octadien-1-ol,3,7- dimethyl-,(2E)- (106-24-1)	
LD50 dermal	> 5000 mg/kg bodyweight
3,7-dimethyl-6-octen-1-ol (citronellol) (106-22-9)	
LD50 oral	3450 mg/kg bodyweight
LD50 dermal	2650 mg/kg bodyweight
Turpentine oil (8006-64-2)	
LD50 oral	500 mg/kg bodyweight
LD50 dermal	1100 mg/kg bodyweight
LC50 inhalation rat (Vapours - mg/l/4h)	11 mg/l/4h
Citronellal (106-23-0)	
LD50 oral	2500 mg/kg bodyweight
LD50 dermal	2500 mg/kg bodyweight

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified

STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Harmful to aquatic life with long lasting effects.

1,2-benzisothiazol-3(2H)-one (2634-33-5)	
LC50 fish 1	2.18 mg/l
EC50 other aquatic organisms 1	2.94 mg/l waterflea
EC50 other aquatic organisms 2	0.11 mg/l

Sodium Hydroxide (1310-73-2)	
LC50 fish 1	> 35 mg/l
EC50 other aquatic organisms 1	> 33 mg/l waterflea

Butylphenyl Methylpropional (80-54-6)	
LC50 fish 1	2.2 mg/l
EC50 other aquatic organisms 1	10.7 mg/l waterflea

(R)-p-mentha-1,8-diene, d-limonene (5989-27-5)	
LC50 fish 1	0.72 mg/l
EC50 Daphnia 1	0.36 mg/l

ALPHA PINENE NATURAL (80-56-8)	
LC50 fish 1	0.28 mg/l
EC50 other aquatic organisms 1	1.44 mg/l waterflea

HEXYL CINNAMAL (101-86-0)	
LC50 fish 1	1.7 mg/l
EC50 other aquatic organisms 2	> 0.32 mg/l

EUGENOL (97-53-0)	
LC50 fish 1	5.6 mg/l
EC50 other aquatic organisms 1	1.9 mg/l waterflea
EC50 other aquatic organisms 2	15.4 mg/l

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2,6- octadien-1-ol,3,7- dimethyl-,(2E)- (106-24-1)	
LC50 fish 1	22 mg/l
EC50 other aquatic organisms 1	10.8 mg/l waterflea
EC50 other aquatic organisms 2	13.1 mg/l

3,7-dimethyl-6-octen-1-ol (citronellol) (106-22-9)	
LC50 fish 1	10 mg/l
EC50 other aquatic organisms 1	17.48 mg/l waterflea
EC50 other aquatic organisms 2	2.38 mg/l

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

1,2-benzisothiazol-3(2H)-one (2634-33-5)	
Log Pow	0.7

Sodium Hydroxide (1310-73-2)	
Log Pow	-3.88

Butylphenyl Methylpropional (80-54-6)	
Log Pow	4.3

ALPHA PINENE NATURAL (80-56-8)	
Log Pow	4.32

HEXYL CINNAMAL (101-86-0)	
Log Pow	5.3

EUGENOL (97-53-0)	
Log Pow	2.27

2,6- octadien-1-ol,3,7- dimethyl-,(2E)- (106-24-1)	
Log Pow	3.5

3,7-dimethyl-6-octen-1-ol (citronellol) (106-22-9)	
Log Pow	3.1

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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 : Industrial waste.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

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14.6. Special precautions for user

- Overland transport

Not applicable

- Transport by sea

Not applicable

- Air transport

Not applicable

- Inland waterway transport

Not applicable

- Rail transport

Not applicable

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Repr. 2	Reproductive toxicity, Category 2
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H361f	Suspected of damaging fertility.

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H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains . May produce an allergic reaction.

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product