



**no. 3 hard floor
cleaner
1 litre
NKD0003**

SAFETY DATA SHEET

According to regulation 830/2015

No.3 Floor Cleaner Concentrate

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Version 1

Issue Date: 03 JAN 2023

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

- 1.1. Product identifier** No.3 Floor Cleaner Concentrate
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Biological cleaning product concentrate
- 1.3. Details of the supplier of the safety data sheet**
Nexon SCM Group
Richmond House,
Deepdale Enterprise Park
Lincoln
United Kingdom
Tel: +44 (0) 800 999 5006
info@nexongroup.co.uk
- 1.4. Emergency telephone number**
Telephone +44 (0) 800 999 5006 (8am-4.30pm GMT Monday to Friday)

Section 2. HAZARDS IDENTIFICATION

- 2.1. Classification of the substance or mixture**
Classification according to 1272/2008/EC
Skin Irrit. 2, H315 Causes skin irritation
Eye Dam.1 H318 Causes serious eye damage
Skin Sens.1, H317 May cause an allergic skin reaction

- 2.2. Label elements**
Labelling according to 1272/2008/EC

Hazard Pictograms



GHS-05



GHS-07

Signal word: Danger

Hazard statements

H315 Causes skin irritation
H318 Causes serious eye damage
H317 May cause an allergic skin reaction

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Precautionary Statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P362 Take off contaminated clothing and wash before re-use

2.3. Other hazards None identified

Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable, material is a mixture

3.2. Mixtures

Hazardous components declared according to Regulation (EC) No 1272/2008

CAS: 68439-45-2 EINECS: REACH: Exempt, material is a polymer	Alcohols C7-C21 ethoxylated	Skin Irrit. 2, H315 Eye Dam. 1, H318	0.6-1.2%
CAS: 70750-47-9 EINECS: 274-846-6 REACH: Exempt, material is a polymer	Quaternary alkyl methyl amine ethoxylate methyl chloride	Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic acute 1, H400 Aquatic chronic 2, H411	0.2-0.4%
CAS: 68439-46-3 EINECS: REACH: Exempt, material is a polymer	C9-C11 Alkyl alcohol ethoxylate	Acute Tox. 4 H302 Eye Dam. 1, H318	0.2-0.3%
CAS: 2634-33-5 EINECS: 220-120-9 REACH: 01-2120761540-60-xxxx Also a biocidal active substance being supported under BPR.	1,2-benzisothiazolin-3-one	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens.1, H317 Aquatic acute 1, H400	0.02-0.08%
CAS: 55965-84-9 EINECS: - REACH: 01-2120764691-48-xxxx Also a biocidal active substance being supported under BPR	Mixture of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazoline-3-one	Acute Tox. 3, H331 Acute Tox. 3, H311 Acute Tox. 3, H301 Skin Corr. 1B, H314 Skin Sens.1, H317 Aquatic acute 1, H400 Aquatic chronic 1, H410	<0.0003%
CAS: 5989-27-5 EINECS: 227-813-5	Limonene	FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C3;H226- H304-H315-H317- H400-H412,-	<0.05%
CAS: 586-62-9 EINECS: 209-578-0	Terpinolene	SS 1B-AH 1-EH A1-EH C1;H304-H317-H410,	<0.026%
CAS: 5392-40-5 EINECS: 226-394-6 REACH: 01-2119462829-23-xxxx	Citral	SCI 2-EDI 2-SS 1; H315-H317-H319,	<0.026%
CAS: 470-67-7 EINECS: 207-428-9	Isocineole	FL 3;H226,-	<0.014%

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CAS: 80-56-8 EINECS: 201-291-9	Alpha-pinenes	FL 3-ATO 4-SCI 2-SS 1B-AH 1-EH A1-EH C1;H226-H302-H304- H315-H317-H410,-	<0.014%
CAS: 470-82-6 EINECS: 207-431-5	Eucalyptol	FL 3-SS 1B;H226- H317,-	<0.014%
CAS: 124-13-0 EINECS: 204-683-8	Octanal	FL 3-SCI 2-EDI 2-EH C2;H226-H315-H319- H411,-	<0.014%
CAS: 112-31-2 EINECS: 203-957-4	Decanal	EDI 2-EH C3;H319- H412,-	<0.014%
CAS: 99-85-4 EINECS: 202-794-6	Gamma-terpinene	FL 3-REP 2-AH 1-EH C2;H226-H304-H361- H411,-	<0.0024%
CAS: 18479-58-8 EINECS: 242-362-4	2,6-dimethyl-7-octen-2-ol	SCI 2-EDI 2;H315- H319,-	<0.0024%
CAS: 106-23-0 EINECS: 203-376-6	Citronellal	SCI 2-EDI 2-SS 1B; H315-H317-H319,-	<0.0024%
CAS: 99-87-6 EINECS: 202-796-7	P-cymene	FL 3-ATI 3-REP 2-AH 1-EH C2;H226-H304- H331-H361-H411,-	<0.0024%
CAS: 79-92-5 EINECS: 201-234-8 REACH: 01-2119446293-40-xxxx	Camphene	FS 2-EH A1-EH C1; H228-H410,-	<0.0024%
CAS: 67634-00-8, 67634-01-9 EINECS: 916-328-0, 266-804-0, 916-328-0	Reaction mass of allyl (2-methylbutoxy) acetate & allyl (3-methoxybutoxy) acetate	ATO 4-ATD 4-STO-RE 2-EH A1;H302-H312- H373-H400,-	<0.0024%
CAS: 99-83-2 EINECS: 202-792-5	Alpha-phellandrene	FL 3-AH 1-EH A1-EH C1;H226-H304-H410,-	<0.00024%
CAS: 68039-49-6 EINECS: 268-264-1	2,4-dimethyl-3-cyclohexene carboxaldehyde	SCI 2-EDI 2-SS 1B-EH C2;H315-H317-H319- H411,-	<0.00024%
CAS: 112-44-7 EINECS: 203-972-6	Undecanal	SCI 2-EH A1-EH C2; H315-H400-H411,-	<0.00024%
CAS: 123-35-3 EINECS: 204-622-5	Myrcene	FL 3-SCI 2-EDI 2-AH 1-EH A1-EH C2;H226- H304-H315-H319- H400-H411,-	<0.00024%

A full explanation of H-phrases appears in Section 16

Section 4. FIRST AID MEASURES

4.1. Description of first aid measures

Eye Contact Rinse immediately with plenty of water for at least 5 minutes holding the eyelids open

Skin Contact Wash off immediately with soap and water. Remove contaminated clothing

Inhalation Move the exposed person to fresh air.

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Ingestion Rinse mouth thoroughly.

Seek medical attention if any symptoms persist.

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

Causes serious eye damage
Causes skin irritation
May cause an allergic skin reaction

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

No special treatment required

Section 5. FIRE FIGHTING MEASURES

5.1. Extinguishing media Product is an aqueous liquid and is not flammable. Use extinguishing media appropriate to the surrounding fire conditions

5.2. Special hazards arising from the substance or mixture

Product is an aqueous liquid so is not expected to burn or create special hazards

5.3. Advice for firefighters Wear full protective clothing and suitable respiratory equipment when necessary

Section 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear impervious chemical resistant gloves and approved safety glasses or goggles. Wear protective clothing such as overalls if spillage involves large amounts (>20 litres)

6.2. Environmental precautions

Do not allow large amounts (i.e. more than 20 litres) of product to enter drains undiluted. Do not allow spillages to enter an open water course or surface water. Prevent further spillage if safe

6.3. Methods and material for containment and cleaning up

Small spillages (<20 litres) can be washed to a drain (but not one that leads to an open water course or surface water) with at least a 10X dilution in water. For larger spillages, absorb with inert material and sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water

6.4. Reference to other sections

See sections 8 and 13 for additional information

Section 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact with skin and eyes. Adopt best Manual Handling considerations when handling, carrying and dispensing.

7.2. Conditions for safe storage, including any incompatibilities

Keep in a cool dry, well-ventilated area. Keep containers tightly closed. Store in correctly labelled containers

7.3. Specific end use(s)

No exposure scenario currently available

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Supersedes: Revision 3 dated 01/06/2015

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters	No exposure limits applicable to components in this product
8.2. Exposure controls	
Engineering measures	No special requirements
Respiratory protection	Not required
Hand protection	Wear chemical resistance gloves (PVC, nitrile, neoprene or butyl)
Eye protection	Wear approved safety glasses or goggles
Protective equipment	Wear protective clothing such as overalls. Wash all contaminated clothing before re-use
Environmental measures	Do not allow product to enter open water courses or surface water

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Straw coloured liquid
Odour	Pleasant
Odour threshold	Not determined
pH	7-8
Melting point/freezing point	0°C
Initial boiling point and boiling range	100°C
Flash point	Not applicable, product is an aqueous liquid
Evaporation rate	Expected to be the same as water
Flammability (solid, gas)	Not applicable, product is an aqueous liquid
Upper/lower flammability or explosive limits	Not applicable, product is an aqueous liquid
Vapour pressure	Expected to be the same as water
Vapour density	Expected to be the same as water
Relative density	1.0
Solubilities	Completely miscible in water
Partition coefficient n-octanol/water	Not applicable, product is an aqueous liquid
Autoignition temperature	Not applicable, product is an aqueous liquid
Decomposition temperature	Not applicable, product is an aqueous liquid
Viscosity	Expected to be the same as water
Explosive properties	No ingredients with explosive properties
Oxidising properties	No ingredients with oxidising properties
9.2. Other information	None available

Section 10. STABILITY AND REACTIVITY

10.1. Reactivity	No specific hazard
10.2. Chemical stability	Stable under normal conditions
10.3. Possibility of hazardous reactions	Product is an aqueous liquid and no hazardous reaction are expected
10.4. Conditions to avoid	Not determined
10.5. Incompatible materials	None known
10.6. Hazardous decomposition products	None known

Section 11. TOXICOLOGICAL INFORMATION

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Version 4

Supersedes: Revision 3 dated 01/06/2015

Issue Date: 17/04/2020

11.1. Information on toxicological effects

a) Acute toxicity

Estimated oral ATE for mixture is >6,000 mg/kg

The microorganisms in this product are all Group 1 (i.e. considered unlikely to cause human disease) according to EU Directive 2000/54/EC and related legislation.

b) Skin corrosion/irritation: Mixture classified as causing skin irritation.

c) Serious eye damage/irritation: Mixture classified as causes serious eye damage.

d) Respiratory or skin sensitisation: Contains ingredients that may cause sensitisation by skin contact, mixture is classified as Skin Sens.1, H317 May cause an allergic skin reaction. Formulation also contains an ingredient classified as a respiratory sensitiser, but not at a level where classification is required, nor declaration in Section 3.2.

e) Germ cell mutagenicity: Does not contain ingredients that are known germ cell mutagens

f) Carcinogenicity: Does not contain ingredients that are known carcinogens

g) Reproductive toxicity: Does not contain ingredients that are known reproductive toxicants

h) STOT single exposure: Does not contain ingredients that are known to cause single target organ toxicity with single exposure

i) STOT repeated exposure: Does not contain ingredients that are known to cause single target organ toxicity with repeated exposure

j) Aspiration hazard: Does not contain ingredients that are known to cause aspiration hazards

Section 12. ECOLOGICAL INFORMATION

12.1. Toxicity

Contains ingredients that are toxic to the aquatic environment but at concentrations below that at which classification of mixture is required for acute or chronic effects

12.2. Persistence and degradability

Given the classification and degradability information on the ingredients and their concentration in the mixture, product is expected to be biodegradable to at least 90%.

12.3. Bioaccumulative potential

Given the classification and environmental behaviour information on the ingredients and their concentration in the mixture, product is not expected to bioaccumulate

12.4. Mobility in soil

Aqueous product, fully soluble in water: not expected to be retained in soil to any significant extent

12.5. Results of PBT and vPvB assessment

Not anticipated to be PBT or vPvB

12.6. Other adverse effects

None known

Section 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Small quantities of product (up to 20 litres on any one occasion) can be disposed of to drain (but not one that leads to an open water course or surface water) with a 10 times dilution with water.

Section 14. TRANSPORT INFORMATION

14.1. UN number

Not regulated

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- 14.2. UN proper shipping name Not regulated
14.3. Transport hazard class(es) Not regulated
14.4. Packing group Not regulated
14.5. Environmental hazards Not applicable
14.6. Special precautions for user None required
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not applicable

Section 15. REGULATORY INFORMATION

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

The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation EC 648/2004 on detergents. Data to support this statement are held at the disposal of the competent authorities of the Member States.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

Section 16. ADDITIONAL INFORMATION

Revision

This SDS has been brought into compliance with Regulation 2015/830. Additional information on the REACH status of ingredients has been added in Section 3.2. We have also updated the classification of one of the raw materials based on the latest information on the ECHA Classification and Labelling database. This introduces an extra classification for the product, H315 Causes skin irritation as shown in Sections 2.1 and 2.2. No changes to GHS/CLP symbols and P-phrases have been made as precautions for skin were already covered. Additional phrases regarding skin irritation have been added in Section 4.2 and 11.1b). A modification has been made to the ATE calculation in Section 11.1a). A clarification has been made to the statement on respiratory sensitisation in Section 11.1d). The statement on surfactant biodegradability information has been moved from Section 12.2 to Section 15.1.

Explanation of H-phrases that appear in section 3

H301 Toxic if swallowed
H302 Harmful if swallowed
H311 Toxic in contact with skin
H314 Causes severe skin burns and eye damage
H331 Toxic if inhaled
H400 Very toxic to aquatic life
H410 Very toxic to aquatic life with long lasting effects
H411 Harmful to aquatic life with long lasting effects
AH 1 Aspiration Hazard Category 1
ATD 4 Acute Toxicity - Dermal Category 4
ATI 3 Acute Toxicity - Inhalation Category 3
ATO 4 Acute Toxicity - Oral Category 4
EDI 2 Hazardous to the Aquatic Environment - Acute Hazard Category 1
EH C1 Hazardous to the Aquatic Environment - Long-term Hazard Category 1
EH C2 Hazardous to the Aquatic Environment - Long-term Hazard Category 2
EH C3 Hazardous to the Aquatic Environment - Long-term Hazard Category 3
FL 3 Flammable Liquid, Hazard Category 3
FS 2 Flammable Solid, Hazard Category 2
H226 Flammable liquid and vapour.
H228 Flammable solid.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.

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H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H361 Suspected of damaging fertility or the unborn child.
H373 May cause damage to organs (organs) through prolonged or repeated exposure (exposure route).
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.
REP 2 Toxic to Reproduction Category 2
SCI 2 Skin Corrosion / Irritation Category 2
SS 1 Sensitization - Skin Category 1
SS 1B Sensitization - Skin Category 1B
STO-RE 2 Specific Target Organ Toxicity (Repeated Exposure) Category 2

References

Part 3 of Annex VI of Regulation (EC) No 1272/2008 <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2008:353:0001:1355:en:PDF>

Annex II Annex II of (EU) No 453/2010 <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2010:133:0001:0043:en:PDF>

European Chemicals Agency (ECHA) Guidance on the compilation of safety data sheets, Version 3.1, November 2015

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https://echa.europa.eu/documents/10162/23036412/sds_en.pdf/01c29e23-2cbe-49c0-aca7-72f22e101e20

Method used to classify:	Mixture has been classified by reference to information on ingredients
Concentration limits	When diluted according to the manufacturer's instructions, i.e. 1:10 in water, the end product will require no hazard labelling, or H phrases according to EU legislation, as the concentration of BIT (CAS: 2634-33-5) falls below the SCL in Part 3 of Annex VI of Regulation (EC) No 1272/2008. The phrase 'EUH 208: Contains 1,2-benzisothiazolin-3-one. May produce an allergic reaction.' must appear on labels and SDS of diluted product.
Further information	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. 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 other process.



**no. 3 hard floor
cleaner
5 litre
NKD0003-5**

SAFETY DATA SHEET

According to regulation 830/2015

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Version 1

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

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Biological cleaning product concentrate
- 1.3. Details of the supplier of the safety data sheet**
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Richmond House,
Deepdale Enterprise Park
Lincoln
United Kingdom
Tel: +44 (0) 800 999 5006
info@nexongroup.co.uk
- 1.4. Emergency telephone number**
Telephone +44 (0) 800 999 5006 (8am-4.30pm GMT Monday to Friday)

Section 2. HAZARDS IDENTIFICATION

- 2.1. Classification of the substance or mixture**
Classification according to 1272/2008/EC
Skin Irrit. 2, H315 Causes skin irritation
Eye Dam.1 H318 Causes serious eye damage
Skin Sens.1, H317 May cause an allergic skin reaction

- 2.2. Label elements**
Labelling according to 1272/2008/EC

Hazard Pictograms



GHS-05



GHS-07

Signal word: Danger

Hazard statements

H315 Causes skin irritation
H318 Causes serious eye damage
H317 May cause an allergic skin reaction

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Precautionary Statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P362 Take off contaminated clothing and wash before re-use

2.3. Other hazards None identified

Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable, material is a mixture

3.2. Mixtures

Hazardous components declared according to Regulation (EC) No 1272/2008

CAS: 68439-45-2 EINECS: REACH: Exempt, material is a polymer	Alcohols C7-C21 ethoxylated	Skin Irrit. 2, H315 Eye Dam. 1, H318	0.2-0.4%
CAS: 70750-47-9 EINECS: 274-846-6 REACH: Exempt, material is a polymer	Quaternary alkyl methyl amine ethoxylate methyl chloride	Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic acute 1, H400 Aquatic chronic 2, H411	0.067-0.14%
CAS: 68439-46-3 EINECS: REACH: Exempt, material is a polymer	C9-C11 Alkyl alcohol ethoxylate	Acute Tox. 4 H302 Eye Dam. 1, H318	0.067-0.1%
CAS: 2634-33-5 EINECS: 220-120-9 REACH: 01-2120761540-60-xxxx Also a biocidal active substance being supported under BPR.	1,2-benzisothiazolin-3-one	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens.1, H317 Aquatic acute 1, H400	0.067-0.1%
CAS: 55965-84-9 EINECS: - REACH: 01-2120764691-48-xxxx Also a biocidal active substance being supported under BPR	Mixture of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazoline-3-one	Acute Tox. 3, H331 Acute Tox. 3, H311 Acute Tox. 3, H301 Skin Corr. 1B, H314 Skin Sens.1, H317 Aquatic acute 1, H400 Aquatic chronic 1, H410	<0.0001%
CAS: 5989-27-5 EINECS: 227-813-5	Limonene	FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C3;H226- H304-H315-H317- H400-H412,-	<0.0167%
CAS: 586-62-9 EINECS: 209-578-0	Terpinolene	SS 1B-AH 1-EH A1-EH C1;H304-H317-H410,	<0.0087%
CAS: 5392-40-5 EINECS: 226-394-6 REACH: 01-2119462829-23-xxxx	Citral	SCI 2-EDI 2-SS 1; H315-H317-H319,	<0.0087%
CAS: 470-67-7 EINECS: 207-428-9	Isocineole	FL 3;H226,-	<0.0047%

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CAS: 470-82-6 EINECS: 207-431-5	Eucalyptol	FL 3-SS 1B;H226-H317,-	<0.0047%
CAS: 124-13-0 EINECS: 204-683-8	Octanal	FL 3-SCI 2-EDI 2-EH C2;H226-H315-H319-H411,-	<0.0047%
CAS: 112-31-2 EINECS: 203-957-4	Decanal	EDI 2-EH C3;H319-H412,-	<0.0047%
CAS: 99-85-4 EINECS: 202-794-6	Gamma-terpinene	FL 3-REP 2-AH 1-EH C2;H226-H304-H361-H411,-	<0.0008%
CAS: 18479-58-8 EINECS: 242-362-4	2,6-dimethyl-7-octen-2-ol	SCI 2-EDI 2;H315-H319,-	<0.0008%
CAS: 106-23-0 EINECS: 203-376-6	Citronellal	SCI 2-EDI 2-SS 1B; H315-H317-H319,-	<0.0008%
CAS: 99-87-6 EINECS: 202-796-7	P-cymene	FL 3-ATI 3-REP 2-AH 1-EH C2;H226-H304-H331-H361-H411,-	<0.0008%
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CAS: 99-83-2 EINECS: 202-792-5	Alpha-phellandrene	FL 3-AH 1-EH A1-EH C1;H226-H304-H410,-	<0.00008%
CAS: 68039-49-6 EINECS: 268-264-1	2,4-dimethyl-3-cyclohexene carboxaldehyde	SCI 2-EDI 2-SS 1B-EH C2;H315-H317-H319-H411,-	<0.00008%
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Skin Contact Wash off immediately with soap and water. Remove contaminated clothing

Inhalation Move the exposed person to fresh air.

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Ingestion Rinse mouth thoroughly.

Seek medical attention if any symptoms persist.

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

- Causes serious eye damage
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- May cause an allergic skin reaction

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

No special treatment required

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6.2. Environmental precautions

Do not allow large amounts (i.e. more than 20 litres) of product to enter drains undiluted. Do not allow spillages to enter an open water course or surface water. Prevent further spillage if safe

6.3. Methods and material for containment and cleaning up

Small spillages (<20 litres) can be washed to a drain (but not one that leads to an open water course or surface water) with at least a 10X dilution in water. For larger spillages, absorb with inert material and sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water

6.4. Reference to other sections

See sections 8 and 13 for additional information

Section 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact with skin and eyes. Adopt best Manual Handling considerations when handling, carrying and dispensing.

7.2. Conditions for safe storage, including any incompatibilities

Keep in a cool dry, well-ventilated area. Keep containers tightly closed. Store in correctly labelled containers

7.3. Specific end use(s)

No exposure scenario currently available

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Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters	No exposure limits applicable to components in this product
8.2. Exposure controls	
Engineering measures	No special requirements
Respiratory protection	Not required
Hand protection	Wear chemical resistance gloves (PVC, nitrile, neoprene or butyl)
Eye protection	Wear approved safety glasses or goggles
Protective equipment	Wear protective clothing such as overalls. Wash all contaminated clothing before re-use
Environmental measures	Do not allow product to enter open water courses or surface water

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Straw coloured liquid
Odour	Pleasant
Odour threshold	Not determined
pH	7-8
Melting point/freezing point	0°C
Initial boiling point and boiling range	100°C
Flash point	Not applicable, product is an aqueous liquid
Evaporation rate	Expected to be the same as water
Flammability (solid, gas)	Not applicable, product is an aqueous liquid
Upper/lower flammability or explosive limits	Not applicable, product is an aqueous liquid
Vapour pressure	Expected to be the same as water
Vapour density	Expected to be the same as water
Relative density	1.0
Solubilities	Completely miscible in water
Partition coefficient n-octanol/water	Not applicable, product is an aqueous liquid
Autoignition temperature	Not applicable, product is an aqueous liquid
Decomposition temperature	Not applicable, product is an aqueous liquid
Viscosity	Expected to be the same as water
Explosive properties	No ingredients with explosive properties
Oxidising properties	No ingredients with oxidising properties
9.2. Other information	None available

Section 10. STABILITY AND REACTIVITY

10.1. Reactivity	No specific hazard
10.2. Chemical stability	Stable under normal conditions
10.3. Possibility of hazardous reactions	Product is an aqueous liquid and no hazardous reaction are expected
10.4. Conditions to avoid	Not determined
10.5. Incompatible materials	None known
10.6. Hazardous decomposition products	None known

Section 11. TOXICOLOGICAL INFORMATION

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11.1. Information on toxicological effects

a) Acute toxicity

Estimated oral ATE for mixture is >6,000 mg/kg

The microorganisms in this product are all Group 1 (i.e. considered unlikely to cause human disease) according to EU Directive 2000/54/EC and related legislation.

b) Skin corrosion/irritation: Mixture classified as causing skin irritation.

c) Serious eye damage/irritation: Mixture classified as causes serious eye damage.

d) Respiratory or skin sensitisation: Contains ingredients that may cause sensitisation by skin contact, mixture is classified as Skin Sens.1, H317 May cause an allergic skin reaction. Formulation also contains an ingredient classified as a respiratory sensitiser, but not at a level where classification is required, nor declaration in Section 3.2.

e) Germ cell mutagenicity: Does not contain ingredients that are known germ cell mutagens

f) Carcinogenicity: Does not contain ingredients that are known carcinogens

g) Reproductive toxicity: Does not contain ingredients that are known reproductive toxicants

h) STOT single exposure: Does not contain ingredients that are known to cause single target organ toxicity with single exposure

i) STOT repeated exposure: Does not contain ingredients that are known to cause single target organ toxicity with repeated exposure

j) Aspiration hazard: Does not contain ingredients that are known to cause aspiration hazards

Section 12. ECOLOGICAL INFORMATION

12.1. Toxicity

Contains ingredients that are toxic to the aquatic environment but at concentrations below that at which classification of mixture is required for acute or chronic effects

12.2. Persistence and degradability

Given the classification and degradability information on the ingredients and their concentration in the mixture, product is expected to be biodegradable to at least 90%.

12.3. Bioaccumulative potential

Given the classification and environmental behaviour information on the ingredients and their concentration in the mixture, product is not expected to bioaccumulate

12.4. Mobility in soil

Aqueous product, fully soluble in water: not expected to be retained in soil to any significant extent

12.5. Results of PBT and vPvB assessment

Not anticipated to be PBT or vPvB

12.6. Other adverse effects

None known

Section 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Small quantities of product (up to 20 litres on any one occasion) can be disposed of to drain (but not one that leads to an open water course or surface water) with a 10 times dilution with water.

Section 14. TRANSPORT INFORMATION

14.1. UN number

Not regulated

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- 14.2. UN proper shipping name Not regulated
14.3. Transport hazard class(es) Not regulated
14.4. Packing group Not regulated
14.5. Environmental hazards Not applicable
14.6. Special precautions for user None required
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not applicable

Section 15. REGULATORY INFORMATION

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

The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation EC 648/2004 on detergents. Data to support this statement are held at the disposal of the competent authorities of the Member States.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

Section 16. ADDITIONAL INFORMATION

Revision

This SDS has been brought into compliance with Regulation 2015/830. Additional information on the REACH status of ingredients has been added in Section 3.2. We have also updated the classification of one of the raw materials based on the latest information on the ECHA Classification and Labelling database. This introduces an extra classification for the product, H315 Causes skin irritation as shown in Sections 2.1 and 2.2. No changes to GHS/CLP symbols and P-phrases have been made as precautions for skin were already covered. Additional phrases regarding skin irritation have been added in Section 4.2 and 11.1b). A modification has been made to the ATE calculation in Section 11.1a). A clarification has been made to the statement on respiratory sensitisation in Section 11.1d). The statement on surfactant biodegradability information has been moved from Section 12.2 to Section 15.1.

Explanation of H-phrases that appear in section 3

H301 Toxic if swallowed
H302 Harmful if swallowed
H311 Toxic in contact with skin
H314 Causes severe skin burns and eye damage
H331 Toxic if inhaled
H400 Very toxic to aquatic life
H410 Very toxic to aquatic life with long lasting effects
H411 Harmful to aquatic life with long lasting effects
AH 1 Aspiration Hazard Category 1
ATD 4 Acute Toxicity - Dermal Category 4
ATI 3 Acute Toxicity - Inhalation Category 3
ATO 4 Acute Toxicity - Oral Category 4
EDI 2 Hazardous to the Aquatic Environment - Acute Hazard Category 1
EH C1 Hazardous to the Aquatic Environment - Long-term Hazard Category 1
EH C2 Hazardous to the Aquatic Environment - Long-term Hazard Category 2
EH C3 Hazardous to the Aquatic Environment - Long-term Hazard Category 3
FL 3 Flammable Liquid, Hazard Category 3
FS 2 Flammable Solid, Hazard Category 2
H226 Flammable liquid and vapour.
H228 Flammable solid.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.

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H315 Causes skin irritation.
H319 Causes serious eye irritation.
H361 Suspected of damaging fertility or the unborn child.
H373 May cause damage to organs (organs) through prolonged or repeated exposure (exposure route).
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.
REP 2 Toxic to Reproduction Category 2
SCI 2 Skin Corrosion / Irritation Category 2
SS 1 Sensitization - Skin Category 1
SS 1B Sensitization - Skin Category 1B
STO-RE 2 Specific Target Organ Toxicity (Repeated Exposure) Category 2

References

Part 3 of Annex VI of Regulation (EC) No 1272/2008 <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2008:353:0001:1355:en:PDF>

Annex II Annex II of (EU) No 453/2010 <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2010:133:0001:0043:en:PDF>

European Chemicals Agency (ECHA) Guidance on the compilation of safety data sheets, Version 3.1, November 2015

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https://echa.europa.eu/documents/10162/23036412/sds_en.pdf/01c29e23-2cbe-49c0-aca7-72f22e101e20

- Method used to classify:** Mixture has been classified by reference to information on ingredients
- Concentration limits** When diluted according to the manufacturer's instructions, i.e. 1:10 in water, the end product will require no hazard labelling, or H phrases according to EU legislation, as the concentration of BIT (CAS: 2634-33-5) falls below the SCL in Part 3 of Annex VI of Regulation (EC) No 1272/2008. The phrase 'EUH 208: Contains 1,2-benzisothiazolin-3-one. May produce an allergic reaction.' must appear on labels and SDS of diluted product.
- Further information** The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. 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 other process.