

Safety Data Sheet

Conforms to Regulation (EC) No. 1907/2006 (REACH), Article 31, Annex II, as amended by Commission Regulation (EU) 2020/878

SUPERSOAP

Date of first edition: 8/10/2021

Safety Data Sheet dated 19/09/2025

version 4

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

1.1. Product identifier

Mixture identification:

Trade name: SUPERSOAP

Trade code: S100B0123 20

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

Recommended use: detergent

Uses advised against: All uses other than recommended ones

1.3. Details of the supplier of the safety data sheet

Company: KERAKOLL S.p.A.

Via dell'Artigianato, 9

41049 Sassuolo (MODENA) - ITALY

Tel.+39 0536 816511 Fax. +39 0536816581

safety@kerakoll.com

1.4. Emergency telephone number

European emergency phone number 112

Ireland Emergency medical information: (seven days) contact National Poisons Information Centre, Beaumont Hospital, Dublin 9 DOV2NO, Ireland.

Members of the public Number (8 am-10 pm): +353 (0)1 809 2166

Healthcare professional telephone Number (24hrs): +353 (0)1 809 2566

Malta In case of emergency call: +356 2395 2000 (24h)

SECTION 2: Hazards identification



2.1. Classification of the substance or mixture

Regulation (EC) n. 1272/2008 (CLP)

Eye Irrit. 2 Causes serious eye irritation.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Regulation (EC) No 1272/2008 (CLP):

Hazard pictograms and Signal Word



Warning

Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves and eye protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

Special Provisions:

EUH208 Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

Regulation (EC) nr 648/2004 (Detergents).

Product contents:

non-ionic surfactants	< 5%
soap	< 5%
anionic surfactants	< 5%
Perfumes	< 5%

Preservatives:

Methylchloroisothiazolinone and methylisothiazolinone
2-bromo-2-nitropropane-1,3-diol

Special provisions according to Annex XVII of REACH and subsequent amendments:

None.

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration >= 0.1%

Other Hazards: Contains biocidal product: C(M)IT/MIT (3:1); The product is identified as an article treated pursuant to art. 58 of Regulation (EU) no. 528/2012 and subsequent amendments. Possible skin exposure must be avoided. Protective gloves and work clothes are required. Avoid releasing product into the environment. When washing work equipment, water must not be dispersed in the soil or on surface water

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Mixture identification: SUPERSOAP

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Numb.	Classification	Registration Number
>=1-<3 %	Sodium sulfate	CAS:126-92-1 EC:204-812-8	Skin Irrit. 2, H315; Eye Dam. 1, H318	01-2119971586-23
<0.0015 %	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	CAS:55965-84-9 Index:613-167-00-5	Acute Tox. 2, H330; Acute Tox. 2, H310; Acute Tox. 3, H301; Skin Corr. 1C, H314; Eye Dam. 1, H318; Skin Sens. 1A, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410, M-Chronic:100, M-Acute:100, EUH071 Specific Concentration Limits: C ≥ 0.6%: Skin Corr. 1C H314 0.06% ≤ C < 0.6%: Skin Irrit. 2 H315 C ≥ 0.6%: Eye Dam. 1 H318 0.06% ≤ C < 0.6%: Eye Irrit. 2 H319 C ≥ 0.0015%: Skin Sens. 1A H317	
<0.0015 %	DIPHENYL ETHER	CAS:101-84-8 EC:202-981-2	Eye Irrit. 2, H319; Aquatic Chronic 2, H411	01-2119472545-33

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

- Immediately take off all contaminated clothing.
- Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.
- Wash thoroughly the body (shower or bath).
- Remove contaminated clothing immediatley and dispose off safely.
- After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

- After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and label hazardous.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

Eye irritation

Eye damages

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non emergency personnel:

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

For emergency responders:

Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

7.2. Conditions for safe storage, including any incompatibilities

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

7.3. Specific end use(s)

Recommendation(s)

None in particular
Industrial sector specific solutions:
None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Community Occupational Exposure Limits (OEL)

	OEL Type	Country	Occupational Exposure Limit
ethanol; ethyl alcohol CAS: 64-17-5	ACGIH		Short Term: 1000 ppm A3 - URT irr
	NATIONAL	AUSTRIA	Long Term: 1900 mg/m ³ - 1000 ppm; Short Term: Ceiling - 3800 mg/m ³ - 2000 ppm 60(Mow), 3x, MAK Source: GKV, BGBl. II Nr. 156/2021
	NATIONAL	BULGARIA	Long Term: 1000 mg/m ³ Source: НАРЕДБА № 13 ОТ 30 ДЕКЕМВРИ 2003 Г.
	NATIONAL	CZECHIA	Long Term: 1000 mg/m ³ ; Short Term: Ceiling - 3000 mg/m ³ Source: Nařízení vlády č. 361-2007 Sb
	NATIONAL	DENMARK	Long Term: 1900 mg/m ³ - 1000 ppm Source: BEK nr 2203 af 29/11/2021
	NATIONAL	ESTONIA	Long Term: 1000 mg/m ³ - 500 ppm; Short Term: 1900 mg/m ³ - 1000 ppm Source: Vabariigi Valitsuse, 20. märtsi 2001. a määrus nr 105
	NATIONAL	FINLAND	Long Term: 1900 mg/m ³ - 1000 ppm; Short Term: 2500 mg/m ³ - 1300 ppm Source: HTP-ARVOT 2020
	NATIONAL	FRANCE	Long Term: 1900 mg/m ³ - 1000 ppm; Short Term: 9500 mg/m ³ - 5000 ppm Source: INRS outil65
	NATIONAL	GREECE	Long Term: 1900 mg/m ³ - 1000 ppm Source: ΦΕΚ 94/Α` 13.5.1999
	NATIONAL	HUNGARY	Long Term: 1900 mg/m ³ ; Short Term: 3800 mg/m ³ N Source: 5/2020. (II. 6.) ITM rendelet
	NATIONAL	LATVIA	Long Term: 1000 mg/m ³ Source: KN325P1
	NATIONAL	LITHUANIA	Long Term: 1000 mg/m ³ - 500 ppm; Short Term: 1900 mg/m ³ - 1000 ppm Source: 2011 m. rugsėjo 1 d. Nr. V-824/A1-389
	NATIONAL	NETHERLANDS	Long Term: 260 mg/m ³ ; Short Term: 1900 mg/m ³ H Source: Arbeidsomstandighedenregeling - Lijst B2
	NATIONAL	NORWAY	Long Term: 950 mg/m ³ - 500 ppm Source: FOR-2021-06-28-2248
	NATIONAL	POLAND	Long Term: 1900 mg/m ³ Source: Dz.U. 2018 poz. 1286
	NATIONAL	SLOVAKIA	Long Term: 960 mg/m ³ - 500 ppm; Short Term: 1920 mg/m ³ - 1000 ppm Source: 355 NARIADENIE VLÁDY z 10. mája 2006
	NATIONAL	SWEDEN	Long Term: 1000 mg/m ³ - 500 ppm; Short Term: 1900 mg/m ³ - 1000 ppm V Source: AFS 2021:3
	SUVA	SWITZERLAND	Long Term: 960 mg/m ³ - 500 ppm; Short Term: 1920 mg/m ³ - 1000 ppm SSC, Formel / Formal, INRS NIOSH Source: suva.ch/valeurs-limites
	WEL-EH40	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND	Long Term: 1920 mg/m ³ - 1000 ppm Source: EH40/2005 Workplace exposure limits (Fourth Edition 2020)
	NATIONAL	BELGIUM	Long Term: 1907 mg/m ³ - 1000 ppm Source: Code du bien-être au travail, Livre VI, Titre 1er, Annexe VI.1-1

propan-2-ol; isopropyl
alcohol; isopropanol
CAS: 67-63-0

NATIONAL	CROATIA	Long Term: 1900 mg/m3 - 1000 ppm Source: NN 1/2021
NATIONAL	GERMANY	Long Term: 380 mg/m3 - 200 ppm DFG, Y, 4(II) Source: TRGS 900
NATIONAL	IRELAND	Short Term: 1000 ppm Source: 2021 Code of Practice
NATIONAL	ROMANIA	Long Term: 1900 mg/m3 - 1000 ppm; Short Term: 9500 mg/m3 - 5000 ppm Source: Republicarea 1 - nr. 743 din 29 iulie 2021
NATIONAL	SLOVENIA	Long Term: 960 mg/m3 - 500 ppm; Short Term: 1920 mg/m3 - 1000 ppm Y Source: UL št. 72, 11. 5. 2021
NATIONAL	SPAIN	Short Term: 1910 mg/m3 - 1000 ppm S Source: LEP 2022
ACGIH		Long Term: 200 ppm (8h); Short Term: 400 ppm A4, BEI - Eye and URT irr, CNS impair
NATIONAL	AUSTRIA	Long Term: 500 mg/m3 - 200 ppm; Short Term: 2000 mg/m3 - 800 ppm 15(Miw), 4x, MAK Source: BGBl. II Nr. 156/2021
NATIONAL	BULGARIA	Long Term: 980 mg/m3; Short Term: 1225 mg/m3 Source: НАРЕДБА № 13 ОТ 30 ДЕКЕМВРИ 2003 Г.
NATIONAL	CZECHIA	Long Term: 500 mg/m3; Short Term: Ceiling - 1000 mg/m3 I Source: Nařízení vlády č. 361-2007 Sb
NATIONAL	DENMARK	Long Term: 490 mg/m3 - 200 ppm Source: BEK nr 2203 af 29/11/2021
NATIONAL	ESTONIA	Long Term: 350 mg/m3 - 150 ppm; Short Term: 600 mg/m3 - 250 ppm Source: Vabariigi Valitsuse, 20. märtsi 2001. a määrus nr 105
NATIONAL	FINLAND	Long Term: 500 mg/m3 - 200 ppm; Short Term: 620 mg/m3 - 250 ppm Source: HTP-ARVOT 2020
NATIONAL	FRANCE	Short Term: 980 mg/m3 - 400 ppm Source: INRS outil65
NATIONAL	GREECE	Long Term: 980 mg/m3 - 400 ppm; Short Term: 1225 mg/m3 - 500 ppm Source: ΦΕΚ 94/Α` 13.5.1999
NATIONAL	HUNGARY	Long Term: 500 mg/m3; Short Term: 1000 mg/m3 b, i, R Source: 5/2020. (II. 6.) ITM rendelet
NATIONAL	LATVIA	Long Term: 350 mg/m3; Short Term: 600 mg/m3 Source: KN325P1
NATIONAL	LITHUANIA	Long Term: 350 mg/m3 - 150 ppm; Short Term: 600 mg/m3 - 250 ppm Source: 2011 m. rugsėjo 1 d. Nr. V-824/A1-389
NATIONAL	NORWAY	Long Term: 245 mg/m3 - 100 ppm Source: FOR-2021-06-28-2248
NATIONAL	POLAND	Long Term: 900 mg/m3; Short Term: 1200 mg/m3 skóra Source: Dz.U. 2018 poz. 1286
NATIONAL	SLOVAKIA	Long Term: 500 mg/m3 - 200 ppm; Short Term: 1000 mg/m3 - 400 ppm Source: 355 NARIADENIE VLÁDY z 10. mája 2006
NATIONAL	SWEDEN	Long Term: 350 mg/m3 - 150 ppm; Short Term: 600 mg/m3 - 250 ppm V Source: AFS 2021:3
SUVA	SWITZERLAND	Long Term: 500 mg/m3 - 200 ppm; Short Term: 1000 mg/m3 - 400 ppm SSC, B, VRS Foie SNC Yeux / OAW Laber ZNS Auge, INRS NIOSH Source: suva.ch/valeurs-limites

	WEL-EH40	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND	Long Term: 999 mg/m ³ - 400 ppm; Short Term: 1250 mg/m ³ - 500 ppm Source: EH40/2005 Workplace exposure limits (Fourth Edition 2020)
	NATIONAL	BELGIUM	Long Term: 500 mg/m ³ - 200 ppm; Short Term: 1000 mg/m ³ - 400 ppm Source: Code du bien-être au travail, Livre VI, Titre 1er, Annexe VI.1-1
	NATIONAL	CROATIA	Long Term: 999 mg/m ³ - 400 ppm; Short Term: 1250 mg/m ³ - 500 ppm Source: NN 1/2021
	NATIONAL	GERMANY	Long Term: 500 mg/m ³ - 200 ppm DFG, Y, 2(II) Source: TRGS 900
	NATIONAL	IRELAND	Long Term: 200 ppm; Short Term: 400 ppm Sk Source: 2021 Code of Practice
	NATIONAL	ROMANIA	Long Term: 200 mg/m ³ - 81 ppm; Short Term: 500 mg/m ³ - 203 ppm Source: Republicarea 1 - nr. 743 din 29 iulie 2021
	NATIONAL	SLOVENIA	Long Term: 500 mg/m ³ - 200 ppm; Short Term: 1000 mg/m ³ - 400 ppm Y, BAT Source: UL št. 72, 11. 5. 2021
	NATIONAL	SPAIN	Long Term: 500 mg/m ³ - 200 ppm; Short Term: 1000 mg/m ³ - 400 ppm VLB®, s Source: LEP 2022
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9	NATIONAL	GERMANY	Long Term: 0.2 mg/m ³ ; Short Term: 0.4 mg/m ³ DFG; Long term and short term: inhalable fraction Source: TRGS900
	NATIONAL	AUSTRIA	Long Term: 0.05 mg/m ³ MAK, Sh Source: GKV, BGBl. II Nr. 156/2021
Bornan-2-one CAS: 76-22-2	SUVA	SWITZERLAND	Long Term: 0.2 mg/m ³ ; Short Term: 0.4 mg/m ³ TWA mg/m ³ : (i), S, SSC, VRS Peau Yeux / OAW Haut Auge Source: suva.ch/valeurs-limites
	ACGIH		Long Term: 2 ppm (8h); Short Term: 3 ppm A4 - Eye and URT irr, anosmia
	NATIONAL	BELGIUM	Long Term: 12 mg/m ³ - 2 ppm; Short Term: 19 mg/m ³ - 3 ppm Source: Code du bien-être au travail, Livre VI, Titre 1er, Annexe VI.1-1
	NATIONAL	CROATIA	Long Term: 13 mg/m ³ - 2 ppm; Short Term: 19 mg/m ³ - 3 ppm Source: NN 1/2021
	NATIONAL	IRELAND	Long Term: 12 mg/m ³ - 2 ppm; Short Term: 18 mg/m ³ - 3 ppm Source: 2021 Code of Practice
	NATIONAL	ROMANIA	Long Term: 1 mg/m ³ - 6 ppm; Short Term: 3 mg/m ³ - 18 ppm Source: Republicarea 1 - nr. 743 din 29 iulie 2021
	NATIONAL	SPAIN	Long Term: 13 mg/m ³ - 2 ppm; Short Term: 19 mg/m ³ - 3 ppm Source: LEP 2022
	NATIONAL	AUSTRIA	Long Term: 13 mg/m ³ - 2 ppm MAK Source: BGBl. II Nr. 156/2021
	NATIONAL	BULGARIA	Long Term: 12 mg/m ³ ; Short Term: 18 mg/m ³ Source: НАРЕДБА № 13 ОТ 30 ДЕКЕМВРИ 2003 Г.
	NATIONAL	DENMARK	Long Term: 12 mg/m ³ - 2 ppm Source: BEK nr 2203 af 29/11/2021
	NATIONAL	FINLAND	Long Term: 1.9 mg/m ³ - 0.3 ppm; Short Term: 5.7 mg/m ³ - 0.9 ppm Source: HTP-ARVOT 2020
	NATIONAL	FRANCE	Long Term: 12 mg/m ³ - 2 ppm Source: INRS outil65

MUSK KETONE; 3,5-DINITRO-2,6-DIMETHYL-4-TERT-BUTYLACETOPHENONE; 4'-TERT-BUTYL-2',6'-DIMETHYL-3',5'-DINITROACETOPHENONE CAS: 81-14-1	NATIONAL	GREECE	Long Term: 12 mg/m ³ ; Short Term: 18 mg/m ³ Source: ΦΕΚ 94/Α` 13.5.1999
	NATIONAL	LITHUANIA	Long Term: 3 mg/m ³ Source: 2011 m. rugsėjo 1 d. Nr. V-824/A1-389
	NATIONAL	NORWAY	Long Term: 12 mg/m ³ - 2 ppm Source: FOR-2021-06-28-2248
	NATIONAL	POLAND	Long Term: 12 mg/m ³ ; Short Term: 18 mg/m ³ Source: Dz.U. 2018 poz. 1286
	NATIONAL	SLOVAKIA	Long Term: 13 mg/m ³ - 2 ppm; Short Term: 26 mg/m ³ - 4 ppm Source: 355 NARIADENIE VLÁDY z 10. mája 2006
	SUVA	SWITZERLAND	Long Term: 13 mg/m ³ - 2 ppm VRS Yeux / OAW Auge, NIOSH, La substance peut être présente sous forme de vapeur et d'aérosol en même temps / Der Stoff kann gleichzeitig als Dampf und Aerosol vorliegen Source: suva.ch/valeurs-limites
	NATIONAL	AUSTRIA	III B Source: BGBl. II Nr. 156/2021
	ACGIH		Long Term: 1 ppm (8h); Short Term: 2 ppm V - URT and eye irr, nausea
	NATIONAL	BELGIUM	Long Term: 7 mg/m ³ - 1 ppm; Short Term: 14 mg/m ³ - 2 ppm Source: Code du bien-être au travail, Livre VI, Titre 1er, Annexe VI.1-1
	NATIONAL	CROATIA	Long Term: 7 mg/m ³ - 1 ppm; Short Term: 14 mg/m ³ - 2 ppm Source: 2017/164/EU
DIPHENYL ETHER CAS: 101-84-8	NATIONAL	CYPRUS	Long Term: 7 mg/m ³ - 1 ppm; Short Term: 14 mg/m ³ - 2 ppm Source: Οι περί Ασφάλειας και Υγείας στην Εργασία (Χημικοί Παράγοντες) Κανονισμοί του 2001 έως 2021
	NATIONAL	GERMANY	Long Term: 7.1 mg/m ³ - 1 ppm DFG, Y, 11, 1(I) Source: TRGS 900
	NATIONAL	GREECE	Long Term: 7 mg/m ³ - 1 ppm; Short Term: 14 mg/m ³ - 2 ppm Source: Π.Δ. 82/2018 (ΦΕΚ 152/Α` 21.8.2018)
	NATIONAL	IRELAND	Long Term: 7 mg/m ³ - 1 ppm; Short Term: 14 mg/m ³ - 2 ppm IOELV Source: 2021 Code of Practice
	NATIONAL	ITALY	Long Term: 7 mg/m ³ - 1 ppm; Short Term: 14 mg/m ³ - 2 ppm Source: D.lgs. 81/2008, Allegato XXXVIII
	NATIONAL	LATVIA	Long Term: 7 mg/m ³ - 1 ppm; Short Term: 14 mg/m ³ - 2 ppm Source: KN325P1
	NATIONAL	LUXEMBOURG	Long Term: 7 mg/m ³ - 1 ppm; Short Term: 14 mg/m ³ - 2 ppm Source: Mémorial A n.226 du 22 mars 2021
	NATIONAL	MALTA	Long Term: 7 mg/m ³ - 1 ppm; Short Term: 14 mg/m ³ - 2 ppm Source: S.L.424.24
	NATIONAL	PORTUGAL	Long Term: 7 mg/m ³ - 1 ppm; Short Term: 14 mg/m ³ - 2 ppm Source: Decreto-Lei n.º 1/2021
	NATIONAL	ROMANIA	Long Term: 7 mg/m ³ - 1 ppm; Short Term: 14 mg/m ³ - 2 ppm Dir. 2017/164 Source: Republicarea 1 - nr. 743 din 29 iulie 2021
	NATIONAL	SLOVENIA	Long Term: 7 mg/m ³ - 1 ppm; Short Term: 14 mg/m ³ - 2 ppm Y, EU4 Source: UL št. 72, 11. 5. 2021
	NATIONAL	SPAIN	Long Term: 7.1 mg/m ³ - 1 ppm; Short Term: 14.2 mg/m ³ - 2 ppm VLI Source: LEP 2022

(R)-p-mentha-1,8-diene CAS: 5989-27-5	NATIONAL	AUSTRIA	Long Term: 7 mg/m ³ - 1 ppm; Short Term: 14 mg/m ³ - 2 ppm 15(Miw), 4x, MAK Source: GKV, BGBl. II Nr. 156/2021
	NATIONAL	BULGARIA	Long Term: 7 mg/m ³ - 1 ppm; Short Term: 14 mg/m ³ - 2 ppm Source: НАРЕДБА № 13 ОТ 30 ДЕКЕМВРИ 2003 Г.
	NATIONAL	CZECHIA	Long Term: 5 mg/m ³ ; Short Term: Ceiling - 10 mg/m ³ Source: Nařízení vlády č. 361-2007 Sb
	NATIONAL	DENMARK	Long Term: 7 mg/m ³ - 1 ppm E Source: BEK nr 2203 af 29/11/2021
	NATIONAL	ESTONIA	Long Term: 7 mg/m ³ - 1 ppm; Short Term: 14 mg/m ³ - 2 ppm Source: Vabariigi Valitsuse, 20. märtsi 2001. a määrus nr 105
	NATIONAL	FINLAND	Long Term: 7 mg/m ³ - 1 ppm; Short Term: 14 mg/m ³ - 2 ppm Source: HTP-ARVOT 2020
	NATIONAL	FRANCE	Long Term: 7 mg/m ³ - 1 ppm; Short Term: 14 mg/m ³ - 2 ppm Source: INRS outil65, arrêté du 30-06-2004 modifié
	NATIONAL	HUNGARY	Long Term: 7 mg/m ³ ; Short Term: 14 mg/m ³ EU4, N Source: 5/2020. (II. 6.) ITM rendelet
	NATIONAL	NETHERLAND S	Long Term: 7 mg/m ³ ; Short Term: 14 mg/m ³ Source: Arbeidsomstandighedenregeling - Lijst A
	NATIONAL	NORWAY	Long Term: 7 mg/m ³ - 1 ppm; Short Term: 14 mg/m ³ - 2 ppm E S Source: FOR-2021-06-28-2248
	NATIONAL	POLAND	Long Term: 7 mg/m ³ ; Short Term: 14 mg/m ³ Source: Dz.U. 2018 poz. 1286
	NATIONAL	SLOVAKIA	Long Term: 7 mg/m ³ - 1 ppm; Short Term: 14 mg/m ³ - 2 ppm Source: 355 NARIADENIE VLÁDY z 10. mája 2006
	NATIONAL	SWEDEN	Long Term: 7 mg/m ³ - 1 ppm; Short Term: 14 mg/m ³ - 2 ppm Source: AFS 2021:3
	SUVA	SWITZERLAND D	Long Term: 7 mg/m ³ - 1 ppm; Short Term: 14 mg/m ³ - 2 ppm R2D, R2F, SSC, VRS Yeux / OAW Auge, NIOSH, La substance peut être présente sous forme de vapeur et d'aérosol en même temps / Der Stoff kann gleichzeitig als Dampf und Aerosol vorliegen Source: suva.ch/valeurs-limites
	WEL-EH40	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND	Long Term: 7 mg/m ³ - 1 ppm; Short Term: 14 mg/m ³ - 2 ppm Source: EH40/2005 Workplace exposure limits (Fourth Edition 2020)
	EU		Long Term: 7 mg/m ³ - 1 ppm (8h); Short Term: 14 mg/m ³ - 2 ppm
	NATIONAL	FINLAND	Long Term: 140 mg/m ³ - 25 ppm; Short Term: 280 mg/m ³ - 50 ppm Source: HTP-ARVOT 2020
	NATIONAL	NORWAY	Long Term: 140 mg/m ³ - 25 ppm A Source: FOR-2021-06-28-2248
	SUVA	SWITZERLAND D	Long Term: 40 mg/m ³ - 7 ppm; Short Term: 80 mg/m ³ - 14 ppm S, SSC, Foie / Leber Source: suva.ch/valeurs-limites
	NATIONAL	GERMANY	Long Term: 28 mg/m ³ - 5 ppm DFG, H, Sh, Y, 4(II) Source: TRGS 900
	NATIONAL	SLOVENIA	Long Term: 28 mg/m ³ - 5 ppm; Short Term: 112 mg/m ³ - 20 ppm K, Y Source: UL št. 72, 11. 5. 2021
	NATIONAL	SPAIN	Long Term: 168 mg/m ³ - 30 ppm Sen, vía dérmica Source: LEP 2022

Predicted No Effect Concentration (PNEC) values

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
CAS: 55965-84-9

Exposure Route: Fresh Water; PNEC Limit: 3.39 µg/l

Exposure Route: Intermittent releases (fresh water); PNEC Limit: 3.39 µg/l

Exposure Route: Marine water; PNEC Limit: 3.39 µg/l

Exposure Route: Intermittent releases (marine water); PNEC Limit: 3.39 µg/l

Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 230 µg/l

Exposure Route: Freshwater sediments; PNEC Limit: 27 µg/l

Exposure Route: Marine water sediments; PNEC Limit: 27 µg/l

Exposure Route: Soil; PNEC Limit: 10 µg/l

Derived No Effect Level (DNEL) values

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
CAS: 55965-84-9

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, local effects
Worker Professional: 20 µg/m³; Consumer: 20 µg/m³

Exposure Route: Human Inhalation; Exposure Frequency: Short Term, local effects
Worker Professional: 40 µg/m³; Consumer: 20 µg/m³

Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects
Consumer: 90 µg/kg

Exposure Route: Human Oral; Exposure Frequency: Short Term, systemic effects
Consumer: 110 µg/kg

8.2. Exposure controls

Eye protection:

Eye glasses with side protection.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Nitrile rubber, Viton, 4H .

Respiratory protection:

N.A.

Thermal Hazards:

Not expected if used as intended

Environmental exposure controls:

Prevent the product from entering sewers or surface and underground water.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid

Colour: White

Odour: Characteristic

Odour threshold: N.A.

pH: >=7.80<=8.20

Kinematic viscosity: N.A.

Melting point/freezing point: N.A.

Boiling point or initial boiling point and boiling range: 100 °C (212 °F)

Flash point: > 93°C

Lower and upper explosion limit: N.A.

Relative vapour density: N.A.

Vapour pressure: 23.00 hPa

Density and/or relative density: 0.99 g/cm³

Solubility in water: Soluble

Solubility in oil: N.A.

Partition coefficient n-octanol/water (log value): N.A.

Auto-ignition temperature: N.A.

Decomposition temperature: N.A.
Flammability: N.A.
Volatile Organic compounds - VOCs = 0.07 % ; 0.74 g/l

Particle characteristics:

Particle size: N.A.

9.2. Other information

No other relevant information

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Data not available.

10.3. Possibility of hazardous reactions

None.

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

None in particular.

10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological Information of the Preparation

a) acute toxicity	Not classified Based on available data, the classification criteria are not met
b) skin corrosion/irritation	Not classified Based on available data, the classification criteria are not met
c) serious eye damage/irritation	The product is classified: Eye Irrit. 2(H319)
d) respiratory or skin sensitisation	Not classified Based on available data, the classification criteria are not met
e) germ cell mutagenicity	Not classified Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified Based on available data, the classification criteria are not met
h) STOT-single exposure	Not classified Based on available data, the classification criteria are not met
i) STOT-repeated exposure	Not classified Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified Based on available data, the classification criteria are not met

Toxicological information on main components of the mixture:

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	a) acute toxicity	LD50 Oral Rat = 69 mg/kg
		LD50 Skin Rabbit = 141 mg/kg
		LC50 Inhalation Rat = 0.33 mg/l 4h
	b) skin corrosion/irritation	Skin Irritant Rabbit Positive
	c) serious eye damage/irritation	Eye Corrosive Rabbit Positive
	d) respiratory or skin sensitisation	Skin Sensitization Positive

f) carcinogenicity	Genotoxicity Negative Carcinogenicity Skin Negative
g) reproductive toxicity	No Observed Adverse Effect Level Oral Rat = 22.7 mg/kg

11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration $\geq 0.1\%$

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

List of Eco-Toxicological properties of the product

Not classified for environmental hazards.

No data available for the product

List of Eco-Toxicological properties of the components

Component	Ident. Numb.	Ecotox Data
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	CAS: 55965-84-9 - INDEX: 613-167-00-5	<p>a) Aquatic acute toxicity : LC50 Fish <i>Oncorhynchus mykiss</i> = 0.19 mg/L 96h EPA OPP 72-1 (Fish Acute Toxicity Test)</p> <p>b) Aquatic chronic toxicity : NOEC Fish <i>Danio rerio</i> = 0.02 mg/L „OECD Guideline 210 (Fish, Early-Life Stage Toxicity Test) - 35days</p> <p>a) Aquatic acute toxicity : LC50 <i>Daphnia magna</i> = 0.16 mg/L 48h EPA OPP 72-2 (Aquatic Invertebrate Acute Toxicity Test)</p> <p>b) Aquatic chronic toxicity : NOEC <i>Daphnia magna</i> = 0.1 mg/L EPA OPP 72-4 (Fish Early Life-Stage and Aquatic Invertebrate Life-Cycle Studies) - 21days</p> <p>a) Aquatic acute toxicity : EC50 <i>Skeletonema costatum</i> = 0 mg/L 96h „OECD Guideline 201 (Alga, Growth Inhibition Test)</p> <p>a) Aquatic acute toxicity : EC50 Sludge activated sludge = 4.5 mg/L 3h „OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)</p> <p>d) Terrestrial toxicity : LC50 Worm <i>Eisenia fetida</i> = 613 mg/kg „OECD Guideline 207 (Earthworm, Acute Toxicity Tests) - 14days</p> <p>e) Plant toxicity : NOEC <i>Trifolium pratense</i>, <i>Oryza sativa</i>, <i>Brassica napus</i> = 1000 mg/L OECD Guideline 208 (Terrestrial Plants Test: Seedling Emergence and Seedling Growth Test) - 21days</p>

12.2. Persistence and degradability

Component	Persistence/Degradability:	Duration	Notes:
Sodium sulfate	Readily biodegradable	28d	>60% (OECD tg 301 B)
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	Non-readily biodegradable		

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

Component	Bioaccumulation	Test	Value	Notes:
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	Bioaccumulative	BCF - Bioconcentration factor	54.000	≤ 54

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

No PBT or vPvB substances present in concentration $\geq 0.1\%$

12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration $\geq 0.1\%$

12.7. Other adverse effects

N.A.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force. Disposal through discharge into wastewater is not permitted

The product disposed of as such, pursuant to Regulation (EU) 1357/2014, must be classified as hazardous waste

A waste code according to the European List of Wastes (LoW) cannot be specified, due to dependence on the usage. Contact an authorized waste disposal service.

Properties of waste which render it hazardous (Annex III, Directive 2008/98/EC):

N.A.

SECTION 14: Transport information

Not classified as dangerous in the meaning of transport regulations.

14.1. UN number or ID number

N/A

14.2. UN proper shipping name

ADR-Shipping Name: N/A

IATA-Shipping Name: N/A

IMDG-Shipping Name: N/A

14.3. Transport hazard class(es)

ADR-Class: N/A

IATA-Class: N/A

IMDG-Class: N/A

14.4. Packing group

ADR-Packing Group: N/A

IATA-Packing group: N/A

IMDG-Packing group: N/A

14.5. Environmental hazards

Marine pollutant: No

Environmental Pollutant: No

IMDG-EMS: N/A

14.6. Special precautions for user

Road and Rail (ADR-RID):

ADR-Label: N/A

ADR - Hazard identification number: N/A

ADR-Special Provisions: N/A

ADR-Transport category (Tunnel restriction code): N/A

ADR Limited Quantities: N/A

ADR Excepted Quantities: N/A

Air (IATA):

IATA-Passenger Aircraft: N/A

IATA-Cargo Aircraft: N/A

IATA-Label: N/A

IATA-Subsidiary hazards: N/A

IATA-Erg: N/A

IATA-Special Provisions: N/A

Sea (IMDG):

IMDG-Stowage and handling: N/A

IMDG-Segregation: N/A

IMDG-Subsidiary hazards: N/A

IMDG-Special Provisions: N/A

14.7. Maritime transport in bulk according to IMO instruments

N.A.

SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2017/776 (ATP 10 CLP)

Regulation (EU) n. 2018/669 (ATP 11 CLP)

Regulation (EU) n. 2018/1480 (ATP 13 CLP)

Regulation (EU) n. 2019/521 (ATP 12 CLP)

Regulation (EU) n. 2020/217 (ATP 14 CLP)

Regulation (EU) n. 2020/1182 (ATP 15 CLP)

Regulation (EU) n. 2021/643 (ATP 16 CLP)

Regulation (EU) n. 2021/849 (ATP 17 CLP)

Regulation (EU) n. 2022/692 (ATP 18 CLP)

Regulation (EU) n. 2023/707

Regulation (EU) n. 2023/1434 (ATP 19 CLP)

Regulation (EU) n. 2023/1435 (ATP 20 CLP)

Regulation (EU) n. 2024/197 (ATP 21 CLP)

Regulation (EU) n. 2020/878

Regulation (EC) nr 648/2004 (Detergents).

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: 3

Restrictions related to the substances contained: 40, 75

Provisions related to directive EU 2012/18 (Seveso III):

None

Explosives precursors – Regulation 2019/1148

No substances listed

Regulation (EU) No 649/2012 (PIC regulation)

No substances listed

German Water Hazard Class.

Class 1: slightly hazardous for water.

German Lagerklasse according to TRGS 510:

LGK 10

SVHC Substances:

No SVHC substances present in concentration $\geq 0.1\%$

REGULATION (EU) No 528/2012

Nomenclature IUPAC: Mixture of 5-chloro-2-methyl-2H- isothiazol-3-one (EINECS 247-500-7) and 2-methyl-2H-isothiazol-3-one (EINECS 220-239-6) (Mixture of CMIT/MIT)

Nomenclature BPR: C(M)IT/MIT (3:1)

CAS number: 55965-84-9

Product-type 6: Preservatives for products during storage

Assessment status: Approved

Commission Implementing Regulation (EU) 2016/131 ; The product is identified as an article treated pursuant to art. 58 of Regulation (EU) no. 528/2012 and subsequent amendments.

Substances included in Regulation (EU) n. 528/2012 (concerning the making available on the market and use of biocidal products)

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

Substances for which a Chemical Safety Assessment has been carried out:

Sodium sulfate

SECTION 16: Other information

Code	Description
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.

Code	Hazard class and hazard category	Description
3.2/2	Skin Irrit. 2	Skin irritation, Category 2
3.3/1	Eye Dam. 1	Serious eye damage, Category 1
3.3/2	Eye Irrit. 2	Eye irritation, Category 2
4.1/C2	Aquatic Chronic 2	Chronic (long term) aquatic hazard, category 2

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008 Classification procedure

Eye Irrit. 2, H319 Calculation method

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)

BCF: Biological Concentration Factor

BEI: Biological Exposure Index

BOD: Biochemical Oxygen Demand

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CAV: Poison Center

CE: European Community

CLP: Classification, Labeling, Packaging.

CMR: Carcinogenic, Mutagenic and Reprotoxic

COD: Chemical Oxygen Demand

COV: Volatile Organic Compound

CSA: Chemical Safety Assessment

CSR: Chemical Safety Report

DMEL: Derived Minimal Effect Level

DNEL: Derived No Effect Level.

DPD: Dangerous Preparations Directive

DSD: Dangerous Substances Directive

EC50: Half Maximal Effective Concentration

ECHA: European Chemicals Agency

EINECS: European Inventory of Existing Commercial Chemical Substances.

ES: Exposure Scenario

GefStoffVO: Ordinance on Hazardous Substances, Germany.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

IC50: half maximal inhibitory concentration

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

IMDG: International Maritime Code for Dangerous Goods.

INCI: International Nomenclature of Cosmetic Ingredients.

IRCCS: Scientific Institute for Research, Hospitalization and Health Care

KAFH: Keep Away From Heat
KSt: Explosion coefficient.
LC50: Lethal concentration, for 50 percent of test population.
LD50: Lethal dose, for 50 percent of test population.
LDLo: Leathal Dose Low
N.A.: Not Applicable
N/A: Not Applicable
N/D: Not defined/ Not available
NA: Not available
NIOSH: National Institute for Occupational Safety and Health
NOAEL: No Observed Adverse Effect Level
OSHA: Occupational Safety and Health Administration
PBT: Persistent, Bioaccumulative and Toxic
PGK: Packaging Instruction
PNEC: Predicted No Effect Concentration.
PSG: Passengers
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL: Short Term Exposure limit.
STOT: Specific Target Organ Toxicity.
TLV: Threshold Limiting Value.
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
vPvB: Very Persistent, Very Bioaccumulative.
WGK: German Water Hazard Class.

Paragraphs modified from the previous revision:

- SECTION 1: Identification of the substance/mixture and of the company/undertaking
- SECTION 2: Hazards identification
- SECTION 3: Composition/information on ingredients
- SECTION 7: Handling and storage
- SECTION 8: Exposure controls/personal protection
- SECTION 9: Physical and chemical properties
- SECTION 11: Toxicological information
- SECTION 12: Ecological information
- SECTION 13: Disposal considerations
- SECTION 14: Transport information
- SECTION 15: Regulatory information
- SECTION 16: Other information



Exposure Scenario

Sodium sulfate

Exposure Scenario, 21/03/2023

Substance identity	
	Sodium sulfate
CAS No.	126-92-1
EINECS No.	204-812-8
Registration number	01-2119971586-23

Table of contents

1. **ES 1** Widespread use by professional workers; Washing and cleaning products (PC35)

1. ES 1		Widespread use by professional workers; Washing and cleaning products (PC35)	
1.1 TITLE SECTION			
Exposure Scenario name	Professional use of general surface cleaning products		
Date - Version	21/03/2023 - 1.0		
Life Cycle Stage	Widespread use by professional workers		
Main user group	Professional uses		
Sector(s) of use	Professional uses (SU22)		
Product Categories	Washing and cleaning products (PC35)		
Environment Contributing Scenario			
CS1	ERC8a		
Worker Contributing Scenario			
CS2 Rolling, Brushing	PROC10		
CS3 Hand held spraying	PROC11		
1.2 Conditions of use affecting exposure			
1.2. CS1: Environment Contributing Scenario (ERC8a)			
Environmental release categories	Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor) (ERC8a)		
<i>Product (article) characteristics</i>			
Physical form of product: Liquid			
Concentration of substance in product: Covers percentage substance in the product up to 100 %.			
<i>Amount used, frequency and duration of use (or from service life)</i>			
Amounts used: Application rate 1000 t(tonnes)/year Daily amount per site 0.082192 kg/day			
Emission days: 365 days per year			
<i>Technical and organisational conditions and measures</i>			
Control measures to prevent releases			
		Water - minimum efficiency of: 100 %	
<i>Conditions and measures related to sewage treatment plant</i>			
STP type: Municipal Sewage Treatment Plant			
STP effluent (m³/day): 2000			
<i>Other conditions affecting environmental exposure</i>			
Local marine water dilution factor: 100 Local freshwater dilution factor: 10 Receiving surface water flow: 18000 m³/day Indoor use			
1.2. CS2: Worker Contributing Scenario: Rolling, Brushing (PROC10)			

Process Categories	Roller application or brushing (PROC10)		
<i>Product (article) characteristics</i>			
Physical form of product: Liquid			
Concentration of substance in product: Covers percentage substance in the product up to 100 %.			
<i>Amount used, frequency and duration of use/exposure</i>			
Duration: Covers use up to > 4 h			
Frequency: Covers use up to = 5 days per week			
<i>Technical and organisational conditions and measures</i>			
Technical and organisational measures No specific measures identified.			
<i>Conditions and measures related to personal protection, hygiene and health evaluation</i>			
Personal protection No specific measures identified.			
<i>Other conditions affecting worker exposure</i>			
Indoor use Professional use			
1.2. CS3: Worker Contributing Scenario: Hand held spraying (PROC11)			
Process Categories	Non industrial spraying (PROC11)		
<i>Product (article) characteristics</i>			
Physical form of product: Liquid			
Concentration of substance in product: Covers percentage substance in the product up to 100 %.			
<i>Amount used, frequency and duration of use/exposure</i>			
Duration: Covers use up to 1 h			
Frequency: Covers use up to = 5 days per week			
<i>Technical and organisational conditions and measures</i>			
Technical and organisational measures No specific measures identified.			
<i>Conditions and measures related to personal protection, hygiene and health evaluation</i>			
Personal protection No specific measures identified.			
<i>Other conditions affecting worker exposure</i>			
Indoor use Professional use			
1.3 Exposure estimation and reference to its source			
1.3. CS1: Environment Contributing Scenario (ERC8a)			
protection target	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
freshwater	= 0.000229 mg/L	EASY TRA v4.1	= 0.001689

marine water	= 2.4E-05 mg/L	EASY TRA v4.1	= 0.001756
freshwater sediment	= 0.001003 mg/kg dry weight	EASY TRA v4.1	= 0.000669
marine sediment	= 0.000104 mg/kg dry weight	EASY TRA v4.1	= 0.000695
Agricultural soil	= 4.9E-05 mg/kg dry weight	EASY TRA v4.1	= 0.000224
wastewater treatment plant microbes	= 0.000731 mg/L	EASY TRA v4.1	= 0.000541

1.3. CS2: Worker Contributing Scenario: Rolling, Brushing (PROC10)

Exposure route, Health effect, Exposure indicator	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
inhalative, systemic, long-term	= 241.948 mg/m ³	EASY TRA v4.1	= 0.84894
dermal, systemic, long-term	= 27.429 mg/kg bw/day	EASY TRA v4.1	= 0.006756
combined routes, systemic, long-term	= 61.993 mg/kg bw/day	EASY TRA v4.1	= 0.855696

1.3. CS3: Worker Contributing Scenario: Hand held spraying (PROC11)

Exposure route, Health effect, Exposure indicator	Exposure level	Calculation method	Risk Characterization Ratio (RCR)
inhalative, systemic, long-term	= 193.558 mg/m ³	EASY TRA v4.1	= 0.679152
dermal, systemic, long-term	= 107.143 mg/kg bw/day	EASY TRA v4.1	= 0.02639
combined routes, systemic, long-term	= 134.794 mg/kg bw/day	EASY TRA v4.1	= 0.705542

1.4 Guidance to DU to evaluate whether he works inside the boundaries set by the ES

Guidance to check compliance with the exposure scenario:

Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.