

Safety Data Sheet dated 15/12/2022, version 4

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

1.1. Product identifier

Mixture identification

Trade name: RAVVIVA

UFI: X660-D084-A00U-9DU5

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

Recommended use:

Detergent for hard surfaces.

Professional use (SU22) - Washing and cleaning products (PC35)

Uses advised against:

Different uses than recommended. Do not use in combination with other products.

1.3. Details of the supplier of the safety data sheet

Manufacturer:

SUTTER INDUSTRIES s.p.a. - Società con Unico Socio

15060 Borghetto Borbera (AL) Italia

Tel. +39 0143 631.1

Competent person responsible for the safety data sheet:

regulatory.affairs@sutter.it

1.4. Emergency telephone number

+39 0143 631.1 mon-fri 9.00/17.00

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)



Warning, Eye Irrit. 2, Causes serious eye irritation.



Warning, Skin Sens. 1, May cause an allergic skin reaction.



Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Warning

Hazard statements:

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P261 Avoid breathing vapours.

P273 Avoid release to the environment.

P280 Wear protective gloves and eye/face protection.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

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

P391 Collect spillage.



Special Provisions:

EUH210 Only for professional use. Safety data sheet available on request.

EUH208 Contains METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE.

May produce an allergic reaction.

Contains

ZINC AMMONIA CARBONATE COMPLEX

Product contents:

polycarboxylates 5 - 15 % aliphatic hydrocarbons, non-ionic surfactants < 5 % Preservatives: METHYLCHLOROISOTHIAZOLINONE,

METHYLISOTHIAZOLINONE

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:

No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

Not Applicable, the product is a mixture.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification: >= 1% - < 3% ZINC AMMONIA CARBONATE COMPLEX

CAS: 38714-47-5, EC: 254-099-2

3.2/2 Skin Irrit. 2 H315

3.3/2 Eye Irrit. 2 H319

3.4.2/1 Skin Sens. 1 H317

4.1/A1 Aquatic Acute 1 H400 M=1.

4.1/C1 Aquatic Chronic 1 H410 M=1.

>= 1% - < 3% ISOTRIDECANOL ETHOXYLATED

CAS: 69011-36-5

3.3/1 Eye Dam. 1 H318

3.1/4/Oral Acute Tox. 4 H302

< 0.0015% METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE Index number: 613-167-00-5, CAS: 55965-84-9, EC: 611-341-5

3.1/2/Inhal Acute Tox. 2 H330

3.1/2/Dermal Acute Tox. 2 H310



- 3.1/3/Oral Acute Tox. 3 H301
- 3.2/1B Skin Corr. 1B H314
- 3.3/1 Eye Dam. 1 H318
- 3.4.2/1A Skin Sens. 1A H317
- 4.1/A1 Aquatic Acute 1 H400 M=100.
- 4.1/C1 Aquatic Chronic 1 H410 M=100.

EUH071

Specific Concentration Limits: C >= 0,6%: Skin Corr. 1B H314

0,06% <= C < 0.6%: Skin Irrit. 2 H315 0,06% <= C < 0.6%: Eye Irrit. 2 H319 C >= 0,0015%: Skin Sens. 1A H317

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 immediately 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 opthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

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

Acute effects:

Skin and eve irritation for contact

Irritation interior system if swallowed.

Until revison date of this document, are unknown chronic effects from the mixture contact with skin, eyes, inhalation, ingestion.

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).

Treatment:

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.



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

The mixture does not contain ingredients classified as explosive according to EC Regulation 1272/2008 (CLP).

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.

The mixture does not contain ingredients classified as explosive according to EC Regulation 1272/2008 (CLP).

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

Wash with plenty of water. To converge the product in containment tanks.

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.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Contamined clothing should be changed before entering eating areas.

Do not eat or drink while working.

7.2. Conditions for safe storage, including any incompatibilities

Store away from sunlight.

Store in a cool and well ventilated place.

Do not store in open or unlabeled containers.

Store away from heat sources.

Keep away from food, drink and feed.



Incompatible materials:

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability. see also 1.2 and 7.2. None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

7.3. Specific end use(s)

None in particular, see paragraph 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Until the revision date of this document, no experimental data are available for the mixture. elow, listed occupational exposure limits, if available, for the components listed in paragraph 3.2

DNEL Exposure Limit Values

Until the revision date of this document, no experimental data are available for the mixture. Below, listed the DNEL exposure limits, if available, for the components listed in paragraph 3.2

PNEC Exposure Limit Values

Until the revision date of this document, no experimental data are available for the mixture. Below, listed the PNEC exposure limits, if available, for the components listed in paragraph 3.2.

Not applicable

8.2. Exposure controls

Eye protection:

Use close fitting safety goggles, don't use eye lens.(EN 166)

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton (EN 14605 in case of splashes or EN 13982 in case of dust)

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber. (ex. EN 388 - EN 374 protection factor 6, corresponding to a breakthrough time >480 minutes).

Due to great diversity of types, observe the operating instructions of the manufacturer with respect to substances listed in paragraph 3.2.

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

The product is not flammable or explosive - see paragraph 2.1. The product contains no explosive components.

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

Environmental exposure controls:

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

See also section 6.2.

Appropriate engineering controls:

No further technical checks suitable for your product under normal conditions.

See also section 1.2, section 7 and Exposure Scenario - Annex I of this document.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Physical state:	Liquid	Visual	



Colour:	creamy white	Visual	
Odour:	Technical	Olfactory	Absence of fragrances
Odour threshold:	Evident	Olfactory	
Melting point/freezing	Not Relevant		Parameter not relevant for the
point:			type of product
Boiling point or initial	>= 100 °C		Estimated value on chemical /
boiling point and boiling			physical properties of
range:			components
Flammability:	non-flammabl		Estimated parameter on
	е		chemical / physical properties of
Lawar and war an avalagion	Not Dolovent		components.
Lower and upper explosion limit:	Not Relevant		Parameter not relevant for the
11111111	> 60 ° C		type of product Estimated value on chemical /
Flash point:	> 60 C		physical properties of
			components
Auto-ignition temperature:	Not Relevant		Parameter not relevant for the
Auto ignition temperature.	Not recevant		type of product
Decomposition	Not Relevant		Parameter not relevant for the
temperature:			type of product
pH:	9,5 +/- 0,5	Instrumental	
i e	, ,	control	
Kinematic viscosity:	Not Relevant		Parameter not relevant. Not
_			viscous mixture.
Solubility in water:	Total		Internal tests
Solubility in oil:	Partial		Internal tests
Partition coefficient	< 1000		Value estimated based on the
n-octanol/water (log value):			solubility of the mixture.
Vapour pressure:	Not Relevant		Parameter not relevant for the
			type of product
Density and/or relative	1.028 g/ml	Instrumental	
density:		control	
Relative vapour density:	Not Relevant		Parameter not relevant for the
	Particle cha	<u> </u>	type of product

Particle characteristics:

Particle size (average and	Not Relevant	 Parameter not relevant for the
range)		type of product

9.2. Other information

No other relevant information

SECTION 10: Stability and reactivity

10.1. Reactivity

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

Do not use in combination with other products.

10.2. Chemical stability

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

10.3. Possibility of hazardous reactions

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability. See also scetion 7.2.



10.4. Conditions to avoid

Different uses than recommended. Do not use in combination with other products. See also 1.2 and 7.2

Avoid direct sunlight and exposure to heat sources.

10.5. Incompatible materials

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability. see also 1.2 and 7.2.

10.6. Hazardous decomposition products

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

Do not use in combination with other products.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 Toxicological information of the product:

RAVVIVA

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

The product is classified: Skin Sens. 1 H317

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 of the main substances found in the product:

Below are reported, if available, the toxicological information of the components listed in paragraph 3.2.

ZINC AMMONIA CARBONATE COMPLEX - CAS: 38714-47-5

b) skin corrosion/irritation:

Test: Skin Irritant Positive

c) serious eye damage/irritation:

Test: Eye Irritant Positive

ISOTRIDECANOL ETHOXYLATED - CAS: 69011-36-5

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 555.556 mg/kg

Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg - Source: OECD 402



b) skin corrosion/irritation:

Test: Skin Irritant - Route: Skin - Species: Rabbit Negative - Source: OECD 404

c) serious eye damage/irritation:

Test: Eye Corrosive - Species: Rabbit Positive - Source: OECD 405

METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE - CAS: 55965-84-9

a) acute toxicity:

Test: LC50 - Route: Inhalation Dust - Species: Rat = 0.31 mg/l - Duration: 4h

b) skin corrosion/irritation:

Test: Skin Corrosive - Route: Skin Positive

c) serious eye damage/irritation:

Test: Eye Corrosive Positive

d) respiratory or skin sensitisation:

Test: Skin Sensitization - Route: Skin Positive

11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration >= 0.1%

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment. Until the revision date of this document, are not available experimental data on the mixture. Below are reported, if available, the eco-toxicological information of the components listed in paragraph 3.2.

RAVVÍVA

The product is classified: Aquatic Chronic 2 - H411

ZINC AMMONIA CARBONATE COMPLEX - CAS: 38714-47-5

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 0.11 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss

Endpoint: EC50 - Species: Daphnia = 1.2 mg/l - Duration h: 48 - Notes: Ceriodaphnia

Endpoint: EC50 - Species: Algae = 0.403 mg/l - Duration h: 72 - Notes:

Pseudokirchneriella subcapitata

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish = 0.011 mg/l - Duration h: 504 - Notes: Jordanella floridae

Endpoint: NOEC - Species: Daphnia = 0.243 mg/l - Duration h: 504 - Notes: Daphnia magna

Endpoint: NOEC - Species: Algae = 0.0506 mg/l - Duration h: 72 - Notes:

Pseudokirchneriella subcapitata

ISOTRIDECANOL ETHOXYLATED - CAS: 69011-36-5

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 1 mg/l - Duration h: 96 - Notes: Cyprinus carpio Endpoint: EC50 - Species: Daphnia > 1 mg/l - Duration h: 48 - Notes: Daphnia magna Endpoint: EC50 - Species: Algae > 1 mg/l - Duration h: 72 - Notes: Desmodesmus subspicatus

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia > 1 mg/l - Duration h: 504 - Notes: Daphnia magna

c) Bacteria toxicity:

Endpoint: EC10 - Species: Microorganisms / Effect on activated sludge: > 10000 mg/l - Duration h: 17

METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE - CAS: 55965-84-9

a) Aquatic acute toxicity:



Endpoint: LC50 - Species: Fish = 0.19 mg/l - Duration h: 96 - Notes: Oncorhynchus

mykiss

Endpoint: EC50 - Species: Daphnia = 0.16 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 0.018 mg/l - Duration h: 72 - Notes: Selenastrum

capricornutum

12.2. Persistence and degradability

Until the revision date of this document, are not available experimental data on the mixture. Below are reported, if available, the eco-toxicological information of the components listed in paragraph 3.2.

ISOTRIDECANOL ETHOXYLATED - CAS: 69011-36-5

Biodegradability: Readily biodegradable - Test: CO2 production - Duration: 28 days -

%: >60

Test: OECD 301E - %: 90

The surfactant(s) contained in this preparation complies with the biodegradability criteria laid down in Regulation (EC) No 648/2004 on detergents. All supporting data are kept available to the competent authorities of the Member States and will be provided to those authorities if they so request or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

Until the revision date of this document, are not available experimental data on the mixture. Below are reported, if available, the eco-toxicological information of the components listed in paragraph 3.2.

ZINC AMMONIA CARBONATE COMPLEX - CAS: 38714-47-5

Bioaccumulation: Slightly bioaccumulative - Test: Log Pow - Partition coefficient -0,46 -

Notes: 25°C

ISOTRIDECANOL ETHOXYLATED - CAS: 69011-36-5

Bioaccumulation: Not bioaccumulative

12.4. Mobility in soil

Until the revision date of this document, are not available experimental data on the mixture. Below are reported, if available, the eco-toxicological information of the components listed in paragraph 3.2.

Not applicable

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration >= 0.1%

12.7. Other adverse effects

Until the revision date of this document, unknown adverse effects and symptoms towards the environment.

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. Do not discharge into the ground or into drains.

See also section 6.

SECTION 14: Transport information



14.1. UN number or ID number



ADR-UN Number: 3082 IATA-UN Number: 3082 IMDG-UN Number: 3082

14.2. UN proper shipping name

ADR-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S.(ZINC AMMONIA CARBONATE COMPLEX)

IATA-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S.(ZINC AMMONIA CARBONATE COMPLEX)

IMDG-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S.(ZINC AMMONIA CARBONATE COMPLEX)

14.3. Transport hazard class(es)

ADR-Class: 9

ADR - Hazard identification number: 90

IATA-Class: 9
IATA-Label: 9
IMDG-Class: 9

14.4. Packing group

ADR-Packing Group: III
IATA-Packing group: III
IMDG-Packing group: III

14.5. Environmental hazards

ADR-Enviromental Pollutant: Yes

IMDG-Marine pollutant: Marine Pollutant

IMDG-EmS: F-A , S-F

14.6. Special precautions for user

ADR-Subsidiary hazards:

ADR-S.P.: 274 335 375 601 ADR-Transport category (Tunnel restriction code): -

IATA-Passenger Aircraft: 964
IATA-Subsidiary hazards: IATA-Cargo Aircraft: 964

IATA-S.P.: A97 A158 A197

IATA-ERG: 9L

IMDG-S.P.: 274 335 969

IMDG-Subsidiary hazards: -

IMDG-Stowage and handling: Category A

IMDG-Segregation:

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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. 2020/878

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)

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

None

Where applicable, refer to the following regulatory provisions:

Directive 2012/18/EU (Seveso III)

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

Dir. 2004/42/EC (VOC directive)

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

Seveso III category according to Annex 1, part 1

Product belongs to category: E2

15.2. Chemical safety assessment

No, for instructions on safe mangling you see Sections 7 and 8 and the exposure scenario - Annex I of this document.

A Chemical Safety Assessment has been carried out for the mixture.

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

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

None

SECTION 16: Other information

Full text of phrases referred to in Section 3:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H318 Causes serious eye damage.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H330 Fatal if inhaled.

H310 Fatal in contact with skin.

H301 Toxic if swallowed.

EUH071 Corrosive to the respiratory tract.

Hazard class and hazard category	Code	Description
Acute Tox. 2	3.1/2/Dermal	Acute toxicity (dermal), Category 2
Acute Tox. 2	3.1/2/Inhal	Acute toxicity (inhalation), Category 2
Acute Tox. 3	3.1/3/Oral	Acute toxicity (oral), Category 3
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Skin Corr. 1B	3.2/1B	Skin corrosion, Category 1B
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Skin Sens. 1	3.4.2/1	Skin Sensitisation, Category 1
Skin Sens. 1A	3.4.2/1A	Skin Sensitisation, Category 1A
Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1
Aquatic Chronic 1	4.1/C1	Chronic (long term) aquatic hazard, category 1



This safety data sheet has been completely updated in compliance to Regulation 2020/878. 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
Skin Sens. 1, H317	Calculation method
Aquatic Chronic 2, H411	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.

ADR: European Agreement concerning the International Carriage of

Dangerous Goods by Road.

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)

CAS: Chemical Abstracts Service (division of the American Chemical

Society).

CLP: Classification, Labeling, Packaging.

DNEL: Derived No Effect Level.

EC0/10/20/50/ Effective concentration, for 0/10/20/50/100 percent of test population.

100:

EINECS: European Inventory of Existing Commercial Chemical Substances.

GefStoffVO: Ordinance on Hazardous Substances, Germany.

GHS: Globally Harmonized System of Classification and Labeling of

Chemicals.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport

Association" (IATA).

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.

KSt: Explosion coefficient.

LC0/10/20/50/ Lethal concentration, for 0/10/20/50/100 percent of test population.

100:

LD0/10/20/50/ Lethal dose, for 0/10/20/50/100 percent of test population.

100:

NOEC: No Observed Effect Concentration

NOAEL(R)/N No Observed Adverse Effect Level(Repeated)/Concentration

OAEC:

OECD: Organisation for Economic Co-operation and Development

PNEC: Predicted No Effect Concentration.

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.
TWA: Time-weighted average
WGK: German Water Hazard Class.



ANNEX I PROFESSIONAL PRODUCT – DETERGENT FOR HARD SURFACES

Title of exposure scenario		
Detergent for general cleaning: Manual process.		
Use description		
Sector Use	SU22 – Professional use	
Product Category	PC35 – Washing and cleaning products (including solvent	
	based products)	
Description of activities/process considered on ex	cposure scenario.	
Diluite with water as specified on the label, if nece	ssary.	
Use following the use instruction as specified on the	ne label.	
Leave on.		
Rinse, if necessary.		
Frequency and duration		
Use phase	1 time a day for daily cleaning detergentsPeriodical for specific detergents	
Relevant limit values of ingredients, if available, ar	e stated in section 8 of the SDS.	
Physical appearence and concentration		
Liquid. To dilute or ready to use.		
In section 2 of the SDS of product and on the label	, the classification of mixture is provided.	
Mixture classification is based on ingredients class of the SDS of product.	ification and on chemical/physical properties stated in section 9	
Use conditions		
Room temperature		
Good general ventilation at workplace is sufficient		
Protection		
See section 8 of the SDS of product to more	Training of worker to use and maintenance of PPE is	
information on PPE.	supposed.	
Don't eat or drink, don't smoke.	Avoid contact with damaged skin.	
No open flame.	Do not use in combination with other products	
Wash hand after use.		
In case of accidental release: dilute with water and	l dry.	
See section 6 of the SDS in case of accidental relea		
Follow use instruction as specified on the label or o	on technical sheet. Use good occupational hygiene practices as	
specified in section 7 on the SDS.		
Environmental measures		
See section 6 of the SDS in case of accidental relea	se	
See section 12 of the SDS for ecotoxicological infor	mation of mixture and dangerous ingredients.	
See section 13 of the SDS for disposal consideratio	ns.	

Note:

SDS: Safety Data Sheet

PPE: Personal Protection Equipment