

SAFETY DATA SHEET
in accordance with Regulation (CE) Num. 1907/2006
(REACH)

GREENHOME RAME 250ML
cod.75010001
Version: 9/ EN

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Date of print: 31/03/2022
Data of review: 31/03/2022

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

1.1. Product identifier

Product code : GREENHOME RAME 250ML
Trades code : 75010001

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

Metal deoxidizer
Sectors of use:
Private households[SU21]
Product category:
Washing and Cleaning Products (including solvent based products)
Process categories:
Use in closed process, no likelihood of exposure[PROC1]

Uses advised against
This product is not recommended for any industrial, professional or consumer use other than those indicated on the label.

1.3. Details of the supplier of the safety data sheet

Saratoga Int. Sforza S.p.A.
Via Edison , 76 - Trezzano s/Naviglio (MI)
Tel. +39 02 445731 Fax +39 02 4452742

Email: trading@saratogasforza.com

1.4. Emergency telephone number

CAV - Ospedale Pediatrico "Bambino Gesù" - Roma - Tel. +39 06 68593726 (h24)
CAV - Azienda Ospedaliero-Universitaria Foggia - Foggia - Tel. +39 0881 732326 (h24)
CAV - Azienda Ospedaliera "A. Cardarelli" - Napoli - Tel. +39 081 7472870 (h24)
CAV - Policlinico "Umberto I" - Roma - Tel. +39 06 4450618 (h24)
CAV - Policlinico "A. Gemelli" - Roma - Tel. +39 06 3054343 (h24)
CAV - Azienda Ospedaliera "Careggi" U.O. Tossicologia Medica - Firenze - Tel. +39 055 7947819(h24)
CAV - Centro Nazionale di Informazione Tossicologica - Pavia - Tel. +39 0382 24444 (h24)
CAV - Ospedale "Niguarda Ca' Granda" - Milano - Tel. +39 02 66101029 (h24)
CAV - Azienda Ospedaliera "Papa Giovanni XXIII" - Bergamo - Tel. +39 800 883300 (h24)
CAV - Azienda Ospedaliera Integrata Verona - Verona - Tel. +39 800 011858 (h24)

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008:

Pictograms:
GHS07

Hazard Class and Category Code(s):
Skin Irrit. 2, Eye Irrit. 2

Hazard statement Code(s):
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.

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If brought into contact with eyes, the product causes serious irritation to eyes that can last for more than 24 hours; if brought into contact with skin, it causes considerable inflammation with erythema, scabs or edema.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008:

Pictogram, Signal Word Code(s):
GHS07 - Warning



Hazard statement Code(s):
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.

Supplemental Hazard statement Code(s):
not applicable

Precautionary statements:

P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P280 - Wear protective gloves and clothing, eye and face protection.
P302+352: 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.
P332+313: If skin irritation occurs: Get medical advice.
P337+313: If eye irritation persists: Get medical advice.
P501: Dispose of the product and container in authorized collection centers.

Contains: (Reg.CE 648/2004):
< 5% Soap, mixture of 5-chloro-2-methyl-2H-isothiazol-3-one + 2-methyl-2H-isothiazol-3-one (3:1).

2.3. Other hazards

The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

SECTION 3. Composition/information on ingredients

3.2 Mixtures

Refer to paragraph 16 for full text of hazard statements

Substance	Concentration[w/w]	Classification	Index	CAS	EINECS	REACH
Potassium Oleate	>= 10 < 20%	Skin Irrit. 2, H315; Eye Irrit. 2, H319	ND	143-18-0	205-590-5	QW548184-01
Oxalic acid	>= 1 < 5%	Acute Tox. 4, H302; Acute Tox. 4, H312; Eye Dam. 1, H318 ATE oral = 7.500,0 mg/kg	607-006-00-8	144-62-7	205-634-3	01-2119534 576-33-00

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Substance	Concentration[w/w]	Classification	Index	CAS	EINECS	REACH
Ammonia (solution) Note: B	>= 1 < 5%	Skin Corr. 1B, H314; Aquatic Acute 1, H400 Limits: STOT SE 3, H335 %C >=5; Tossicità acuta Fattore M = 1 Tossicità cronica Fattore M = 1 ATE oral = 350,0 mg/kg ATE dermal = 200,0 mg/kg	007-001-01-2	1336-21-6	215-647-6	01-2119488 876-14
Hydrocarbon and paraffinic waxes	< 0,1%	ATE oral = 5.000,0 mg/kg ATE dermal = 2.000,0 mg/kg	ND	8002-74-2	232-315-6	01-2119488 076-30

SECTION 4. First aid measures

4.1. Description of first aid measures

Inhalation:

Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area. If you feel unwell seek medical advice.

Direct contact with skin (of the pure product):

Wash thoroughly with soap and running water.

Direct contact with eyes (of the pure product):

Wash immediately and thoroughly with running water, keeping eyelids open for at least 10 minutes, then protect your eyes with a dry sterile gauze. Seek medical advice immediately

Do not use eye drops or ointments of any kind before the examination or advice from an oculist.

Ingestion:

Not hazardous. It's possible to give activated charcoal in water or liquid paraffin medicine

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

No data available.

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

If medical advice is needed, have product container or label at hand.

Immediately call a POISON CENTER or DOCTOR.

SECTION 5. Firefighting measures

5.1. Extinguishing media

Advised extinguishing agents:

Water spray, CO2, foam, dry chemical, depending on the materials involved in the fire.

Extinguishing means to avoid:

Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

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5.2. Special hazards arising from the substance or mixture

No data available.

5.3. Advice for firefighters

Use protection for the breathing apparatus
Safety helmet and full protective suit.
The spray water can be used to protect the people involved in the extinction
You may also use selfrespirator, especially when working in confined and poorly ventilated area and if you use
halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)
Keep containers cool with water spray

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel:

Leave the area surrounding the spill or release. Do not smoke
Wear mask, gloves and protective clothing.

6.1.2 For emergency responders:

Wear mask, gloves and protective clothing.
Eliminate all unguarded flames and possible sources of ignition. No smoking.
Provision of sufficient ventilation.
Evacuate the danger area and, in case, consult an expert.

6.2. Environmental precautions

Contain spill with earth or sand.
If the product has entered a watercourse in sewers or has contaminated soil or vegetation, notify it to the authorities.
Discharge the remains in compliance with the regulations

6.3. Methods and material for containment and cleaning up

6.3.1 For containment:

Rapidly recover the product, wear a mask and protective clothing
Recover the product for reuse, if possible, or for removal. Possibly absorb it with inert material.
Prevent it from entering the sewer system.

6.3.2 For cleaning up:

After wiping up, wash with water the area and materials involved

6.3.3 Other information:

Nothing in particular.

6.4. Reference to other sections

Refer to paragraphs 8 and 13 for more information

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Avoid contact and inhalation of vapors
Wear protective gloves/protective clothing/eye protection/face protection.
At work do not eat or drink.
See also paragraph 8 below.

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7.2. Conditions for safe storage, including any incompatibilities

Keep in original container closed tightly. Do not store in open or unlabeled containers.
Keep containers upright and safe by avoiding the possibility of falls or collisions.
Store in a cool place, away from sources of heat and `direct exposure of sunlight.

7.3. Specific end use(s)

Private households:

Handle with care. Store in a ventilated place away from heat sources, Keep container tightly closed.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Substance:

Oxalic acid:

TLV/STEL (EC): 2 mg/m3

TLV/TWA (EC): 1 mg/m3

Ammonia:

TLV (like TWA): 25 ppm; 17 mg/m3 (per NH3); like STEL: 35 ppm; 24 mg/m3 (ACGIH 1994-1995).

- - Substance: Acido ossali

DNEL

Systemic effects Long term Workers inhalation = 4,03 (mg/m3)

Systemic effects Long term Workers dermal = 2,29 (mg/kg bw/day)

Systemic effects Long term Consumers dermal = 1,14 (mg/kg bw/day)

Systemic effects Long term Consumers oral = 1,14 (mg/kg bw/day)

Local effects Short term Workers dermal = 0,69 (mg/kg bw/day)

Local effects Short term Consumers dermal = 0,35 (mg/kg bw/day)

PNEC

Sweet water = 0,1622 (mg/l)

Sea water = 0,1622 (mg/l)

Emissioni intermittenti = 1,622 (mg/l)

STP = 1550 (mg/l)

- - Substance: Ammonia

DNEL

Systemic effects Long term Workers inhalation = 14 (mg/m3)

Systemic effects Short term Workers inhalation = 36 (mg/m3)

Systemic effects Short term Workers dermal = 6,8 (mg/kg bw/day)

Systemic effects Short term Consumers dermal = 6,8 (mg/kg bw/day)

Systemic effects Short term Consumers oral = 6,8 (mg/kg bw/day)

PNEC

Sweet water = 0,0011 (mg/l)

Sea water = 0,0011 (mg/l)

8.2. Exposure controls

Appropriate engineering controls:

Private households:

Handle with care. Store in a ventilated place away from heat sources, Keep container tightly closed.

Individual protection measures:

(a) Eye / face pro

When handling the pure product use safety glasses (spectacles cage) (EN 166).

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(b) Skin pro

(i) Hand p

When handling the pure product use chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3)

(ii)

When handling the pure product wear full protective skin clothing.

(c) Respiratory pro

Not needed for normal use.

(d) Thermal

No hazard to report

Environmental exposure controls:

Use according to good working practices to avoid pollution into the environment.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value	Determination method
Appearance	Dense liquid	
Colour	yellowish	
Odour	light, of ammonia	
Odour threshold	Not determined	
pH	10,5	
Melting point/freezing point	Not determined	
Initial boiling point and boiling range	>100° C.	
Flash point	not inflammable	
Evaporation rate	Not determined	
Flammability (solid, gas)	Not applicable	
Upper/lower flammability or explosive limits	Not applicable	
Vapour pressure	Not determined	
Vapour density	Not determined	
Relative density	1,25 Kg/dm³ a +20° C.	
Solubility	Not determined	
Water solubility	Soluble in water in all proportions	
Partition coefficient: n-octanol/water	Not determined	
Auto-ignition temperature	Not determined	
Decomposition temperature	Not determined	
Viscosity	Not determined	
Explosive properties	Not applicable	
Oxidising properties	Not applicable	

9.2. Other information

Ammonium oxalate in situ from ammonia solution and oxalic acid.

SECTION 10. Stability and reactivity

10.1. Reactivity

No reactivity hazards

10.2. Chemical stability

No hazardous reaction when handled and stored according to provisions.

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10.3. Possibility of hazardous reactions

There are no hazardous reactions

10.4. Conditions to avoid

Nothing to report

10.5. Incompatible materials

It can generate inflammable gases to contact with elementary metals, nitrides, inorganic sulfide, strong reducing agents.

It can generate toxic gases to contact with inorganic sulfide, strong reducing agents.

10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

SECTION 11. Toxicological information

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

ATE(mix) oral = ∞

ATE(mix) dermal = 42.307,7 mg

ATE(mix) inhal = ∞

(a) tossicità acuta: sulla base dei dati disponibili i criteri di classificazione non sono soddi

(b) corrosione cutanea/irritazione cutanea: Il prodotto, se portato a contatto con la pelle, provoca no infiammazione con eritemi, escare o edemi.

(c) gravi danni oculari/irritazione oculare: Il prodotto, se portato a contatto con gli occhi, provoca irritazioni rilevanti che possono perdurare per più di 24 ore.

(d) sensibilizzazione respiratoria o cutanea: Cere paraffiniche e cere idrocarburiche: Non sensibili

(e) mutagenicità sulle cellule germinali: sulla base dei dati disponibili i criteri di classificazione non sono soddi

(f) cancerogenicità: sulla base dei dati disponibili i criteri di classificazione non sono soddi

(g) tossicità per la riproduzione: sulla base dei dati disponibili i criteri di classificazione non sono soddi

(h) tossicità specifica per organi bersaglio (STOT) esposizione singola: sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti

(i) tossicità specifica per organi bersaglio (STOT) esposizione ripetuta: sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti

(j) pericolo in caso di aspirazione: sulla base dei dati disponibili i criteri di classificazione non sono soddi

Relativi alle sostanze contenute:

Oleato di potassio:

Ingestione: l'Ingestione può causare danni alle prime vie dell'apparato digerente.

Contatto con gli occhi : fortemente irritante (coniglio)

Contatto con la pelle: il contatto può provocare irritazioni

Acido ossalico:

Tossicità acuta

DL50 Orale - ratto - femmina - 1.080 mg/kg

DL50 Dermico - su coniglio - 20.000 mg/kg

Corrosione/irritazione cutanea

Pelle - su coniglio

Risultato: Nessuna irritazione della pelle (OECD TG 404)

Lesioni oculari gravi/irritazioni oculari gravi

Occhi - su coniglio

Risultato: Rischio di gravi lesioni oculari. - 24 h (OECD TG 405)

Sensibilizzazione respiratoria o cutanea

- topo

Risultato: Non provoca sensibilizzazione della pelle.

Mutagenicità delle cellule germinali S. Typhimurium Risultato: negativo

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Cancerogenicità

IARC: Nessun componente di questo prodotto presente a livelli maggiori o uguali allo 0.1% è identificato come cancerogeno conosciuto o previsto dallo IARC.

Tossicità riproduttiva

Possibile rischio di malformazione congenita nel feto.

Tossicità per la riproduzione - topo - Orale

Effetti sulla fertilità: altri indici di fertilità Effetti su embrione o feto: fetotossicità (esclusa la morte; es., feto nano)

Tossicità specifica per organi bersaglio - esposizione singola: nessun dato disponibile

Tossicità specifica per organi bersaglio - esposizione ripetuta: nessun dato disponibile

Pericolo in caso di aspirazione: nessun dato disponibile

ulteriori informazioni

Tossicità a dose ripetuta - Livello più basso di nocività osservato - 150 mg/kg

LD50 Orale (ratto) (mg/kg di peso corporeo) = 7500

Ammoniaca:

Il prodotto è corrosivo per gli occhi, estremamente irritante per la pelle e le mucose e può provocare seri danni.

Informazioni sugli effetti tossicologici

Valori LD50/LC50 rivelanti per la classificazione

Specificazione : LCLo

Via di assunzione : per via inalatoria Specie per il test : Uomo Valore : = 30000 ppm Per. del test : 5 min

Via di assunzione : per via inalatoria Specie per il test : ratto Valore : = 2000 ppm Per. del test : 4 h

Via di assunzione : per via inalatoria Specie per il test : gatto Valore : = 7000 ppm Per. del test : 1 h

Specificazione : LD-50

Specie per il test : ratto Valore : = 350 mg/kg Specificazione : NOAEL (ammoniaca in soluzione acquosa ; Nr. CAS : 1336-21-6)

Via di assunzione : per via orale Specie per il test : mammifero Valore : = 68 mg/kg

Irritabilità primaria

Per Inalazione:

Una moderata esposizione ai vapori di ammoniaca può provocare mal di testa, salivazione, bruciore alla trachea, sudore, nausea, vomito, dolore sotto lo sterno.

Una severa esposizione può dare luogo a irritazioni del tratto respiratorio, edema alla glottide, broncospasmo, edema polmonare e arresto respiratorio; possono seguire bronchite o polmonite.

Esposizione ripetute o prolungate a basse concentrazioni di vapori possono provocare bronchiti croniche.

Per Ingestione:

Ingestione di una soluzione di ammoniaca pH >11.5 dà luogo immediatamente a dolori alla bocca, dietro lo sterno, allo stomaco, vomito con sangue. Le complicazioni che possono intervenire: emorragie digestive, perforazioni dell'esofago e dello stomaco, acidosi metabolica, rischio di stenosi digestiva

Per contatto con la pelle:

Schizzi di liquido possono provocare ustioni e formazione di vesciche se il contatto è prolungato. I vapori di ammoniaca sono irritanti per la pelle.

Per contatto con gli occhi:

I vapori emessi dalle soluzioni ammoniacali sono fortemente irritanti per gli occhi. Schizzi di liquido possono causare danni permanenti alla vista.

Esperienze sull'uomo

A contatto con il prodotto pericolo di assorbimento cutaneo e di irritazione della pelle e delle mucose.

LD50 Orale (ratto) (mg/kg di peso corporeo) = 350

LD50 Cutanea (ratto o coniglio) (mg/kg di peso corporeo) = 200

Cere paraffiniche e cere idrocarburiche:

LD50 Orale (ratto) (mg/kg di peso corporeo) = 5000

LD50 Cutanea (ratto o coniglio) (mg/kg di peso corporeo) = 2000

11.2. Information on other hazards

No data available.

SECTION 12. Ecological information

12.1. Toxicity

Relativi alle sostanze contenute:

Oleato di potassio:

Ripartizione ambientale: Le caratteristiche chimico-fisiche del prodotto indicano l'acqua come suo comparto naturale.

Biodegradabilità primaria: Non richiesta.

Biodegradabilità facile: Il tensioattivo può essere definito 'facilmente biodegradabile' in accordo con i criteri della Direttiva CEE/91/325 e successivi adeguamenti.

Degradabilità abiotica: Non disponibile.

Acido ossalico:

Tossicità per i pesci

Prova statica CL50 - *Leuciscus idus melanotus* - 160 mg/l - 48 h

Tossicità per la daphnia e per altri invertebrati acquatici

Immobilizzazione CE50 - *Daphnia magna* (Pulce d'acqua grande) - 162,2 mg/l - 48 h (OECD TG 202)

Ammoniaca:

Tossicità acquatica

Specificazione : EC50

Parametro : *Daphnia magna* Valore 1,1 - 22,8 mg/l

Parametro : Pesce Valore 0,56 - 2,48 mg/l

Specificazione : LC50

Parametro : *Daphnia* Valore = 101 mg/m³ Per. del test : 96 h

Parametro : Pesce Valore = 0,89 mg/l Per. del test : 96 h

Use according to good working practices to avoid pollution into the environment.

12.2. Persistence and degradability

Relativi alle sostanze contenute:

Acido ossalico:

aerobico - Tempo di esposizione 20 d

Risultato: 89 % - Rapidamente biodegradabile.

Ammoniaca:

La sostanza è biodegradabile.

12.3. Bioaccumulative potential

Relativi alle sostanze contenute:

Acido ossalico:

Nessun dato disponibile

Ammoniaca:

Informazioni non disponibili.

12.4. Mobility in soil

Relativi alle sostanze contenute:

Acido ossalico:

Nessun dato disponibile

Ammoniaca:

Informazioni non disponibili.

12.5. Results of PBT and vPvB assessment

No PBT/vPvB ingredient is present

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12.6. Endocrine disrupting properties

No data available.

12.7. Other adverse effects

No adverse effects

Regulation (EC) No 2006/907 - 2004/648

Information on biodegradability:

The (i) surfactant (s) contained (i) in this formulation is (are) compliant (i) with the biodegradability criteria established by Regulation (EC) no. 648/2004 relating to detergents. All supporting data shall be kept available to the competent authorities of the Member States and will be provided, on their explicit request or at the request of a manufacturer of the formulation, to the aforementioned authorities.

The contaminated packaging must be emptied optimally and then, after proper washing, can be used for re-use.

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies.
Recover if possible. Operate according to local or national regulations

SECTION 14. Transport information

14.1. UN number or ID number

Not included in the scope of application regulations concerning the transport of dangerous goods: by road (ADR); by rail (RID); by air (ICAO / IATA); by sea (IMDG).

14.2. UN proper shipping name

None

14.3. Transport hazard class(es)

None

14.4. Packing group

None

14.5. Environmental hazards

None

14.6. Special precautions for user

No data available.

14.7. Maritime transport in bulk according to IMO instruments

It is not intended to carry bulk

SECTION 15. Regulatory information

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

D.Lgs. 3/2/1997 n. 52 (Classification, packaging and labeling of dangerous substances). D.Lgs 14/3/2003 n. 65 (Classification, packaging and labeling of dangerous preparations). D.Lgs. 2/2/2002 n. 25 (Risks deriving from chemical agents at work). D. M. Job 02/26/2004 (Occupational Exposure Limits); D. M. 03/04/2007 (Implementation of Directive

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No. 2006/8 / EC). Regulation (EC) n. 1907/2006 (REACH), Regulation (CE) n. 1272/2008 (CLP), Regulation (EC) n.790 / 2009. Legislative Decree 21 September 2005 n. 238 (Seveso Ter Directive).

The contaminated packaging must be emptied optimally and then, after proper washing, can be used for re-use.

15.2. Chemical safety assessment

No chemical safety assessment was carried out by the supplier

SECTION 16. Other information

16.1. Other information

Description of the hazard statements exposed to point 3

- H315 = Causes skin irritation
- H319 = Causes serious eye irritation.
- H302 = Harmful if swallowed.
- H312 = Harmful in contact with skin.
- H318 = Causes serious eye damage
- H314 = Causes severe skin burns and eye damage.
- H400 = Very toxic to aquatic life.

Classification based on data of all mixture components

The product must not be used for purposes other than those specified in section 1.

This sheet has been prepared in compliance with the following standards:

National provisions

- Legislative Decree 81/2008 (Consolidated Law on the protection of health and safety in the workplace) and subsequent amendments

- Directive 2009/161 / EU - chemical risk assessment pursuant to Title IX

European Community:

- ADR 2015

- Regolam. 2018/675 / EU (amendment to Annex XVII of REACH - substances subject to CMR restriction)

- Ministry of Environment SVHC Substances

- Regolam. 2016/863 / EU (amendment of Annexes VII and VIII of Regulation (EC) No. 1907/2006)

- Regolam. 2013/126 / EU (amendment to Annex XVII of Regulation (EC) No. 1907/2006)

- Directive 2012/18 / EU (Seveso Directive)

- Regolam. 2012/109 / EU (CMR substances)

- Regolam. 2012/125 / EU (registration, evaluation, authorization and restriction of REACH chemicals)

- Regolam. 2011/286 / EU (EC regulation 1272/2008 classification, labeling, packaging of substances and mixtures)

- Regolam. 2010/453 / EC (modification of REACH regulation CE / 1907/2006)

- D.P.R. n.21 6/2/2009 (execution of provisions Regulation No. 648/2004)

- Regolam. 2009/790 / EC (amending regulation 2008/1272 / EC classification, labeling, packaging of substances and mixtures)

- Regolam. 2008/1272 / EC (classification, labeling, packaging of substances and mixtures)

- Legislative Decree 145 28/7/2008 (implementation of Directive 2006/121 / EC and EC Reg. 1907/2006)

- Directive 2006/1907 / CE (REACH Registration, Evaluation and Authorization of Chemicals)

- Regolam. 2006/907 / EC (amending Regulation 2004/648 / EC European Parliament and Council on Detergents)

- Regolam. 2004/648 / EC (on detergents)

- Directive 2004/73 / EC (XXIX adaptation to technical progress of Directive 67/548 / EEC

- Legislative Decree 65 14/03/2003 (Implementation of directives 1999/45 / EC and 2001/60 / CE)

- Directive 2001/60 / EC (adaptation to technical progress of Directive 1999/45 / EC)

- Directive 2001/58 / EC (adaptation of Directive 91/155 / EC modalities of the information system on dangerous preparations)

- Directive 1999/45 / EC (classification, packaging and labeling of dangerous preparations)

SAFETY DATA SHEET
in accordance with Regulation (CE) Num. 1907/2006
(REACH)

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Date of print: 31/03/2022
Data of review: 31/03/2022

Legend:

CLP: Classification, Labeling and Packaging
EC50: Maximum Effective Concentration for 50% of Individuals
LC50: Lethal Concentration for 50% of Individuals
LD50: Lethal Dose for 50% of Individuals
NOEL: Maximum dose without effects
PNEC: Predictable concentration without effects
DNEL: Derived dose of no effect
DMEL: Derived dose of minimum effect
STEL: short-term exposure limit
TLV: limit value threshold
TWA: weighted average over time
PBT: persistent bioaccumulative and toxic substances
vPvB: very persistent and very bioaccumulative substances
CSA: chemical safety assessment
CSR: chemical safety report
ES: exposure scenarios
DU: downstream users

16.1 Training information:

The manufacturer urges the customer who receives this card to examine it carefully to be informed of any risks and advises the dissemination of the information contained in the workers and how many others come into contact with the product. In the event that the product is delivered to others, it is recalled the obligation to provide a copy of this card in order to allow the propagation of the information contained therein.

16.2 Main bibliographic sources:

ECHA - European Chemical Agency
ACGIH - American Conference of Governmental Industrial Hygienists
ECB - European Chemicals Bureau
IARC - International Agency for Research on Cancer
IPCS - International Program on Chemical Safety (Cards)
NIOSH - Registry of toxic effects of chemical substances (1983)
OSHA - European Agency for Safety and Health at Work
PHATOX - Pharmacological and Toxicological Data and Information Network

The information contained in this safety data sheet is provided in order to protect health and safety in the workplace and is based on our current knowledge and current EU and national laws. Any chemical product can be used under safe conditions, if its physical and chemical properties are known and the appropriate safety measures and clothing are used. To assess the risk from exposure to chemical agents in a work environment, comply with the applicable laws. It is always the responsibility of the user to comply with the rules of hygiene, safety and environmental protection required by applicable laws. The manufacturer can not accept any complaints deriving from an improper use of the information indicated here or from an improper use in the application of the product. We advise our customers to carry out the corresponding tests before using the product on new fields not sufficiently tested or for uses other than those indicated in paragraph 1 of this sheet.

The information contained in this safety data sheet is intended as a description of the characteristics of the preparation for safety purposes and guarantees of the properties of the product itself are not to be considered.

*** This sheet supersedes any previous edition.