



ChromaX

Safety Data Sheet

According to Annex II to REACH - Regulation 2015/830

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

1.1. Product identifier

Product name **ChromaX**

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

Intended use **Alginates for dental impressions - ISO 21563: 2013 === GMDN 35863 ===== MEDICAL DEVICE DIRECTIVE 93/42 / EEC (Class I).**

Identified Uses	Industrial	Professional	Consumer
Dental medical device	-	SU: 10 ERC: 2, 3 PROC: 1, 3, 5 PC: 32	

1.3. Details of the supplier of the safety data sheet

Name **MAJOR PRODOTTI DENTARI S.P.A**
Full address **Via Einaudi, 23**
District and Country **10024 Moncalieri (TO)**
Italy
Tel. 011 6400211
Fax 011 6400222

e-mail address of the competent person

responsible for the Safety Data Sheet **sds@majordental.com**
Product distribution by: **Major Prodotti Dentari S.p.A.**

1.4. Emergency telephone number

For urgent inquiries refer to

(+39) 011 6400211 (h: 9-12; 14-17)
Australia: Phone: +613 9795 9599 - Address: 1-5 Overseas Drive, Noble Park North VIC 3174
New Zealand: Phone: +649 914 9999 - Address: 12 Omega Street, Rosedale, Auckland
Austria +43 1 31304 5620
Belgium +32022649636
Bulgaria +359 2 9154 409
Croatia +38514686917
Cyprus +35722405611
Czech Republic +420267082257
Denmark +45 72 54 40 00
Estonia +3726943884
Finland +358 5052 000
France + 33 3 83 85 21 92
Germany +302106479250, +302106479450
Hungary not available
Iceland +354 543 22 22
Ireland +35318092566
Latvia +371 67032600
Liechtenstein No data available
Lithuania +370 70662008
Luxembourg +352 24785551
Malta +356 2395 2000
Netherlands +31 88 75 585 61
Norway +4573580500
Poland +48 42 2538 400
Portugal +351213303271
Romania +40213183606
Slovakia +421 2 5465 2307
Slovenia +38614006051
Spain +34 917689800
Sweden +46104566750



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United Kingdom +44 121 507 4123
Switzerland/Conf. Suisse/Schweizerische Eidgenossenschaft/Conf. Svizzera 145
USA - Poison Control Center - (800) 222-1222

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2015/830. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Specific target organ toxicity - repeated exposure, category 2 H373

May cause damage to organs through prolonged or repeated exposure.

Eye irritation, category 2 H319

Causes serious eye irritation.

Hazardous to the aquatic environment, chronic toxicity, category 2 H411

Toxic to aquatic life with long lasting effects.

2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:



Signal words:

Warning

Hazard statements:

H373

May cause damage to organs through prolonged or repeated exposure.

H319

Causes serious eye irritation.

H411

Toxic to aquatic life with long lasting effects.

Precautionary statements:

P260

Do not breathe dust / fume / gas / mist / vapours / spray.

P280

Wear eye protection / face 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.

Contains:

DIATOMACEOUS EARTH, SODA ASH FLUX CALCINATED

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:



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Identification	x = Conc. %	Classification 1272/2008 (CLP)
DIATOMACEOUS EARTH, SODA ASH FLUX CALCINATED		
CAS 68855-54-9	$66 \leq x < 70$	STOT RE 2 H373
EC 272-489-0		
INDEX -		
Reg. no. 01-2119488518-22-XXXX		
ZINC OXIDE		
HSNO Approval Number:	HSR003104	
CAS 1314-13-2	$2,5 \leq x < 3$	Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1
EC 215-222-5		
INDEX 030-013-00-7		
Reg. no. 01-2119463881-32-XXXX		
DIPOTASSIUM HEXAFLUOROTITANIUM(2-)		
CAS 16919-27-0	$1 \leq x < 1,5$	Acute Tox. 4 H302, Eye Dam. 1 H318
EC 240-969-9		
INDEX -		
Reg. no. 01-2119978268-20-XXXX		
SODIUM PHOSPHATE TRIBASIC ANHYDROUS		
HSNO Approval Number:	HSR002736	
CAS 7601-54-9	$1 \leq x < 1,5$	Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335
EC 231-509-8		
INDEX -		
Reg. no. 01-2119489800-32-XXXX		

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

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

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.



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5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products. The product is combustible and, when the powder is released into the air in sufficient concentrations and in the presence of a source of ignition, it can create explosive mixtures with air. Fires may start or get worse by leakage of the solid product from the container, when it reaches high temperatures or through contact with sources of ignition.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

If there are no contraindications, spray powder with water to prevent the formation of dust.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product and place it in containers for recovery or disposal. If there are no contraindications, use jets of water to eliminate product residues. Make sure the leakage site is well aired. Evaluate the compatibility of the container to be used, by checking section 10. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters



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Regulatory References:

BGR	България	МИНИСТЕРСТВО НА ТРУДА И СОЦИАЛНАТА ПОЛИТИКА МИНИСТЕРСТВО НА ЗДРАВЕОПАЗВАНЕТО НАРЕДБА No 13 от 30 декември 2003 г (4 Септември 2018г)
CZE	Česká Republika	Nařízení vlády č. 246/2018 Sb. Nařízení vlády, kterým se mění nařízení vlády č. 361/2007 Sb., kterým se stanoví podmínky ochrany zdraví při práci, ve znění pozdějších předpisů
DEU	Deutschland	TRGS 900 (Fassung 07.06.2018) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte
DNK	Danmark	Bekendtgørelse om ændring af bekendtgørelse om grænseværdier for stoffer og materialer 1- BEK nr 655 af 31/05/2018
ESP	España	LÍMITES DE EXPOSICIÓN PROFESIONAL PARA AGENTES QUÍMICOS EN ESPAÑA 2008 NIPO: 211-08-011-5
EST	Eesti	Töökeskkonna keemiliste ohutegurite piirnormid. Vastu võetud Vabariigi Valitsuse 18. septembri 2001. a määrusega nr 293 (RT I 2001, 77, 460), jõustunud 29.09.2001. Muudetud järgmise määrusega (kuupäev, number, avaldamine Riigi Teatajas, jõustumise aeg): 11.10.2007 nr 223 (RT I 2007, 55, 369) 1.01.2008
FIN	Suomi	HTP-VÄRDEN 2018. Koncentrationer som befunnits skadliga. SOCIAL- OCH HÄLSOVÄRDSMINISTERIETS PUBLIKATIONER 10/2018
FRA	France	Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984 - INRS
GRC	Ελλάδα	ΕΦΗΜΕΡΙΔΑ ΤΗΣ ΚΥΒΕΡΝΗΣΕΩΣ - ΤΕΥΧΟΣ ΠΡΩΤΟ Αρ. Φύλλου 152 - 21 Αυγούστου 2018
HRV	Hrvatska	Pravilnik o zaštiti radnika od izloženosti opasnim kemikalijama na radu, graničnim vrijednostima izloženosti i biološkim graničnim vrijednostima (NN 91/18)
HUN	Magyarország	A pénzügyminiszter 7/2018. (VIII. 29.) PM rendelete a munkahelyek kémiai biztonságáról szóló 25/2000. (IX. 30.) EüM– SZCSM együttes rendelet módosításáról
POL	Polska	ROZPORZĄDZENIE MINISTRA RODZINY, PRACY I POLITYKI SPOŁECZNEJ z dnia 12 czerwca 2018 r
ROU	România	HOTĂRÂRE nr. 584 din 2 august 2018 pentru modificarea Hotărârii Guvernului nr. 1.218/2006 privind stabilirea cerințelor minime de securitate și sănătate în muncă pentru asigurarea protecției lucrătorilor împotriva riscurilor legate de prezența agenților chimici
SVK	Slovensko	Nariadenie vlády č. 33/2018 Z. z. Nariadenie vlády Slovenskej republiky, ktorým sa mení a dopĺňa nariadenie vlády Slovenskej republiky č. 355/2006 Z. z. o ochrane zamestnancov pred rizikami súvisiacimi s expozíciou chemickým faktorom pri práci v znení neskorších predpisov
SVN	Slovenija	Uradni list Republike Slovenije 04.06.2015 (1602) - Pravilnik o spremembah in dopolnitvah Pravilnika o varovanju delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu
SWE	Sverige	Hygieniska gränsvärden, AFS 2018:1
EU	TLV-ACGIH RCP TLV	ACGIH 2019 ACGIH TLVs and BEIs – Appendix H

DIATOMACEOUS EARTH, SODA ASH FLUX CALCINATED

Threshold Limit Value								
Type	Country	TWA/8h		STEL/15min				
		mg/m3	ppm	mg/m3	ppm			
RCP TLV		4				RESP	respirable dust	
Predicted no-effect concentration - PNEC								
Normal value of STP microorganisms				100	mg/l			
Health - Derived no-effect level - DNEL / DMEL								
		Effects on consumers			Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				18,7 mg/kg bw/d				
Inhalation			VND	0,05 mg/m3			VND	0,05 mg/m3

ZINC OXIDE

Threshold Limit Value								
Type	Country	TWA/8h		STEL/15min				
		mg/m3	ppm	mg/m3	ppm			
TLV	BGR	5		10			като цинк	
TLV	CZE	2		5			Jako Zn	
MAK	DEU	2		4		INHAL		
MAK	DEU	0,1		0,4		RESP		
TLV	DNK	4					Som Zn	
VLA	ESP	2		10				
TLV	EST	5						
HTP	FIN	2		10				
VLEP	FRA	5						
TLV	GRC	5		10				



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GVI/KGVI	HRV	2	10	RESP
AK	HUN	5	20	RESP
NDS/NDSch	POL	5	10	INHAL
TLV	ROU	5	10	
NPEL	SVK	1	1	RESP
MV	SVN	5	20	RESP
NGV/KGV	SWE	5		
TLV-ACGIH		2	10	

DIPOTASSIUM HEXAFLUOROTITANIUM(2-)

Threshold Limit Value								
Type	Country	TWA/8h		STEL/15min				
		mg/m3	ppm	mg/m3	ppm			
OEL	EU	2,5						
Predicted no-effect concentration - PNEC								
Normal value in fresh water				0,9		mg/l		
Normal value in marine water				0,9		mg/l		
Normal value for fresh water sediment				0,766		mg/kg		
Normal value for marine water sediment				0,766		mg/kg		
Health - Derived no-effect level - DNEL / DMEL								
Route of exposure	Effects on consumers			Effects on workers				
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation					2,5 mg/m3	2,5 mg/m3	1,5 mg/m3	1,5 mg/m3

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

During the risk assessment process, it is essential to take into consideration the ACGIH occupational exposure levels for inert particulate not otherwise classified (PNOC respirable fraction: 3 mg/m3; PNOC inhalable fraction: 10 mg/m3). For values above these limits, use a P type filter, whose class (1, 2 or 3) must be chosen according to the outcome of risk assessment.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

Exposure levels must be kept as low as possible to avoid significant build-up in the organism. Manage personal protective equipment so as to guarantee maximum protection (e.g. reduction in replacement times).

HAND PROTECTION

In the case of prolonged contact with the product, protect the hands with penetration-resistant work gloves (see standard EN 374).

Work glove material must be chosen according to the use process and the products that may form. Latex gloves may cause sensitivity reactions.

SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).



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RESPIRATORY PROTECTION

Use a type P filtering facemask, whose class (1, 2 or 3) and effective need, must be defined according to the outcome of risk assessment (see standard EN 149).

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	powder
Colour	white
Odour	characteristic
Odour threshold	Not available
pH	Not available
Melting point / freezing point	Not available
Initial boiling point	Not applicable
Boiling range	Not available
Flash point	Not applicable
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Lower inflammability limit	Not available
Upper inflammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	2,31
Solubility	Not available
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidising properties	Not available

9.2. Other information

Information not available

SECTION 10. Stability and reactivity

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.



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10.3. Possibility of hazardous reactions

The powders are potentially explosive when mixed with air.

10.4. Conditions to avoid

Avoid environmental dust build-up.

10.5. Incompatible materials

Information not available

10.6. Hazardous decomposition products

Information not available

SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

11.1. Information on toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

LC50 (Inhalation) of the mixture: Not classified (no significant component)

LD50 (Oral) of the mixture: >2000 mg/kg

LD50 (Dermal) of the mixture: Not classified (no significant component)

SODIUM PHOSPHATE TRIBASIC ANHYDROUS

LD50 (Oral) 4,8 mg/kg Rat

LD50 (Dermal) 2 mg/kg Rabbit

LC50 (Inhalation) 2,16 mg/l/1h Rat

CALCIUM SULPHATE DIHYDRATE

LD50 (Oral) > 1581 mg/kg rat

LC50 (Inhalation) > 2,61 mg/l/4h rat

DIPOTASSIUM HEXAFLUOROTITANIUM(2-)

LD50 (Oral) 324 mg/kg rat



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SODIUM ALGINATE

LD50 (Oral) > 5000 mg/kg rat

LC50 (Inhalation) 4,72 mg/l 1h rat

DIATOMACEOUS EARTH, SODA ASH FLUX CALCINATED

LD50 (Oral) > 2000 mg/kg rat

LC50 (Inhalation) > 2,6 mg/l/4h rat

ALUMINUM OXIDE

LD50 (Dermal) > 2,3 mg/kg

LC50 (Inhalation) > 2000 mg/l/4h rat

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

STOT - REPEATED EXPOSURE

May cause damage to organs

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

SECTION 12. Ecological information

This product is dangerous for the environment and is toxic for aquatic organisms. In the long term, it have negative effects on aquatic environment.

12.1. Toxicity**ZINC OXIDE**

LC50 - for Fish

1,1 mg/l/96h Oncorhynchus mykiss

EC50 - for Crustacea

1,7 mg/l/48h Daphnia magna

EC50 - for Algae / Aquatic Plants

0,14 mg/l/72h Pseudokirchnerella subcapitata

Chronic NOEC for Fish

0,53 mg/l



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Chronic NOEC for Algae / Aquatic Plants	0,024 mg/l
DIPOTASSIUM HEXAFLUOROTITANIUM(2-) LC50 - for Fish	172 mg/l/96h dario rerio
EC50 - for Crustacea	48,2 mg/l/48h
EC50 - for Algae / Aquatic Plants	10,81 mg/l/72h short term (Pseudokirchneriella subcapitata)
ALUMINUM OXIDE	
LC50 - for Fish	> 100 mg/l/96h
EC50 - for Algae / Aquatic Plants	> 100 mg/l/72h
EC10 for Crustacea	200 mg/l/48h

12.2. Persistence and degradability

SODIUM PHOSPHATE TRIBASIC ANHYDROUS
Solubility in water > 10000 mg/l

Degradability: information not available

ZINC OXIDE
Solubility in water 2,9 mg/l

Degradability: information not available
NOT rapidly degradable

DIPOTASSIUM HEXAFLUOROTITANIUM(2-)
Solubility in water 1270 mg/l

12.3. Bioaccumulative potential

ZINC OXIDE
BCF > 175

12.4. Mobility in soil

Information not available

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects

Information not available

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations

SECTION 14. Transport information

14.1. UN number



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ADR / RID, IMDG, IATA: 3077

ADR / RID: In accordance with Special Provision 375, this product, when is packed in receptacles of a capacity \leq 5Kg or 5L, is not submitted to ADR provisions.IMDG: In accordance with Section 2.10.2.7 of IMDG Code, this product, when is packed in receptacles of a capacity \leq 5Kg or 5L, is not submitted to IMDG Code provisions.IATA: In accordance with SP A197, this product, when is packed in receptacles of a capacity \leq 5Kg or 5L, is not submitted to IATA dangerous goods regulations.

14.2. UN proper shipping name

ADR / RID: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (ZINC OXIDE)

IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (ZINC OXIDE)

IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (ZINC OXIDE)

14.3. Transport hazard class(es)

ADR / RID: Class: 9 Label: 9

IMDG: Class: 9 Label: 9

IATA: Class: 9 Label: 9



14.4. Packing group

ADR / RID, IMDG, IATA: III

14.5. Environmental hazards

ADR / RID: Environmentally Hazardous

IMDG: Marine Pollutant

IATA: Environmentally Hazardous



14.6. Special precautions for user

ADR / RID: HIN - Kemler: 90
Special Provision: -

Limited Quantities: 5 kg

Tunnel restriction code: (-)

IMDG: EMS: F-A, S-F

Limited Quantities: 5 kg

IATA: Cargo:

Maximum quantity: 400 Kg

Packaging instructions: 956

Pass.:

Maximum quantity: 400 Kg

Packaging instructions: 956

Special Instructions:

A97, A158, A179, A197

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

Information not relevant

SECTION 15. Regulatory information

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

Seveso Category - Directive 2012/18/EC: E2



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Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

None

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.1.1. Substances subject to the HSNO Act (New Zealand)

ZINC OXIDE

Classification 9.1A (All)

Classification route species: (All)

Classification description: Very ecotoxic in the aquatic environment

Classification key study:

Classification 9.1A (F)

Classification route species: (fish)

Classification description: Very ecotoxic in the aquatic environment

Classification key study: R-PHRASE: R 50-53. [NCLASS]

Biocumulative: ND

Rapidly Degradable: No

DEGREDAATION: Readily degradable = No [N-CLASS]

Classification 9.1A (C)

Classification route species: (crustacean)

Classification description: Very ecotoxic in the aquatic environment

Classification key study:

SPECIES: Daphnia magna

TYPE OF EXPOSURE: Static

DURATION: 48 h

ENDPOINT: LC50

VALUE: 98 ug/l (= 0,098 mg/l)

REFERENCE SOURCE: Ref No: 9180. Author(s): Gale, N.L., B.G. Wixson, and M. Erten Publication Year: 1992 Title: An Evaluation of the Acute Toxicity of Lead, Zinc, and Cadmium in Missouri Ozark Groundwater, Trace Subst. Environ. Health 25:169-183 [IUCLID 2000]

Biocumulative: ND

Rapidly Degradable: No

DEGREDAATION: Readily degradable = No [N-CLASS]

Classification 9.1A (A)

Classification route species: (algal)

Classification description: Very ecotoxic in the aquatic environment



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Classification key study:

SPECIES: Algae
TYPE OF EXPOSURE:
DURATION:
ENDPOINT: EC50
VALUE: 0.03 mg/l
REFERENCE SOURCE: [N-Class]

Bioaccumulative: ND

Rapidly Degradable: No

DEGRESSION: Readily degradable = No [N-CLASS]

Classification 9.3C

Classification route species:

Classification description: Harmful to terrestrial vertebrates

Classification key study:

SPECIES: Colinus virginianus
ENDPOINT: LD50
VALUE: 566 mg/kg

REFERENCE SOURCE: Author(s): Office of Pesticide Programs Publication Year: 1995 Title: Environmental Effects Database (EEDB), Environmental Fate and Effects Division, U.S.EPA, Washington, D.C. [ECOTOX]

SODIUM PHOSPHATE TRIBASIC ANHYDROUS**Classification 6.1C (All)**

Classification route species:

(All)

Classification description:

Acutely toxic

Classification key study:

Classification 6.1E (O)

Classification route species:

(oral)

Classification description:

Acutely toxic

Classification key study:

SPECIES: Rat

ENDPOINT: LD50

VALUE: 4800 mg/kg

REFERENCE SOURCE: NORLEM LIMITED KNUTSFORD [juclid 2000]

Classification 6.1E (D)

Classification route species: (dermal)

Classification description:

Acutely toxic

Classification key study:

SPECIES: Human

RESULT: Moderately toxic by ingestion; irritant to tissue.

REFERENCE SOURCE: SODIUM PHOSPHATE, TRIBASIC DODECAHYDRATE/ [Hawley, G.G. The Condensed Chemical Dictionary. 10th ed. New York: Van Nostrand Reinhold Co., 1981. 949]** [hsdb]

Classification 8.1A

Classification route species:

Classification description: Corrosive to metals

Classification key study:

Classification 8.2C

Classification route species:

Classification description:

Corrosive to dermal tissue

Classification key study:

REMARK: pH is greater than 11.5

Classification 8.3A

Classification route species:

Classification description:

Corrosive to ocular tissue

Classification key study:

REMARK: pH is greater than 11.5

Classification 9.1D (All)

Classification route species:(All)



ChromaX

Classification description: Slightly harmful in the aquatic environment or are otherwise designed for biocidal action
Classification key study:

Classification 9.1D (C)

Classification route species: (crustacean)

Classification description: Slightly harmful in the aquatic environment or are otherwise designed for biocidal action

Classification key study:

SPECIES: Daphnia magna Water flea

TYPE OF EXPOSURE:

DURATION: 48 hr

ENDPOINT: LETC (Intoxication)

VALUE: <52 mg/L

REFERENCE SOURCE: Ref no: 2130. Anderson, B.G. (1946) The Toxicity Thresholds of Various Sodium Salts Determined by the Use of Daphnia magna. Sewage Works J. 18(1):82-87 [ecotox]

REMARK: LETC = lethal threshold concentration = incipient LC50

Biocumulative: No

Rapidly Degradable: ND

15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Acute Tox. 4	Acute toxicity, category 4
STOT RE 2	Specific target organ toxicity - repeated exposure, category 2
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity, category 2
H302	Harmful if swallowed.
H373	May cause damage to organs through prolonged or repeated exposure.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Use descriptor system:

ERC	2	Formulation into mixture
ERC	3	Formulation into solid matrix
PC	32	Polymer preparations and compounds
PROC	1	Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.
PROC	3	Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition
PROC	5	Mixing or blending in batch processes
SU	10	Formulation [mixing] of preparations and/or re-packaging (excluding alloys)

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road

- CAS NUMBER: Chemical Abstract Service Number



ChromaX

- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

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- The Merck Index. - 10th Edition
 - Handling Chemical Safety
 - INRS - Fiche Toxicologique (toxicological sheet)
 - Patty - Industrial Hygiene and Toxicology
 - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
 - IFA GESTIS website
 - ECHA website
 - Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.