



Prodotto: Ipoclorito di sodio Codice D5253 – Sheda tecnica e sicurezze direttiva 91/155/EEC

1. Identification of substance / preparation of company

Name product: Sodium Hypochlorite

Code product: D5253

Telephone for emergency: +39 02 66101029 (Center anti poison Riguarda Cà Granda – Milano)

Duration: 12 Months

1.2 Utilization of the prepared substance

Cleaning solution.

2. Identification of danger

2.1 Classification of the substance/solution (Directive 67/548/CEE, Directive 1999/45/CE):

This product is classified as dangerous and irritant.

2.2 Indication of specific danger for humans and environment.

2.2.1 Danger to humans:

R 36/38: IRRITANT FOR EYES AND SKIN.

2.2.2 Danger to environment:

R 31 ON CONTACT WITH ACIDS FREES TOXIC GAS

S 50 DON NOT MIX WITH ACID SUBSTANCES



IRRITATING

3 Composition/ information about elements

CONTAINS :

SODIUM HYPOCHLORITE : < 5 %

REGISTERED NUMBER CAS: 7681-52-9

INDEX NUMBER: 007-011-00-1

SECURITY SHEET

Rev 2

Of 22/06/09

S.p.a. **BRC - Global standard – Consumer Product**

Pag. 3 di 6

NUMBER CE 231-668-3

DANGER SYMBOL

XI IRRITANT

INDICAZIONI OF DANGER

IRRITANT

FRASI DI RISK:

R 31 ,R 36/38

CAUTION ADVISE

S 1/2 S 28, S 45, S 50

4. First Aid Measures

CONTACT WITH SKIN

REMOVE IMMEDIATELY CLOTHING CONTAMINATED BY PRODUCT. CLEAN IMMEDIATELY WITH SOAP AND WATER CAREFULLY.

CONTACT WITH EYES

CLEAN WITH RUNNING WATER FOR SEVERAL MINUTES KEEPING EYES WIDE OPEN AND CONSULT WITH A DOCTOR.

INHALATION

MOVE THE INJURED FAR FROM THE CONTAMINATED AREA, PRACTICE ARTIFICIAL RESPIRATION, CALL A DOCTOR. IF THE SUBJECT HAS FAINTED, HOLD HIM/HER SECURELY AND ON ONE SIDE DURING TRANSPORT.

INGESTION

DRINK A LOT OF WATER AND STAY IN A WELL VENTILATED AREA. IMMEDIATELY PROVIDE FOR A DOCTOR'S ATTENTION

5. Fire prevention Measures

TOOLS TO USE FOR EXTINCTION:



Prodotto: Ipoclorito di sodio Codice D5253 – Sheda tecnica e sicurezze direttiva 91/155/EEC

NEUTRALIZE WITH FOAM, SPRAY WATER, CO₂, CHEMICAL POWDER.

RISKS OF COMBUSTION:

IF HEATED OR IN CASE OF FIRE THE PRODOCT CAN CREATE TOXIC FUMES.

SPECIAL EQUIPMENT FOR FIRE EXSTIGUSHER PERSONNEL:

FIRE FIGHTERS MUST WEAR FIRE PROTECTIVE CLOTHING AND IN PARTICULAR A RESPIRATOR.

6. Measures in case of accident spill

INDIVIDUAL PRECAUTIONS:

GARANTEE SUFFICIENT VENTILATION.

WEAR A RESPIRATOR.

ENVIRONMENTAL PRECAUTIONS:

IN CASE OF ACCIDENTAL SPILLS, AVOID THAT THE PRODUCT FLOWS INTO A WATER SUPPLY OR UNDERGROUND. CONTACT IMMEDIATELY COMPETENT AUTHORITIES

METHODS OF CLEAN UP:

IN CASE OF ACCIDENTAL SPILLS STOP THE LEAKAGE AND BLOCK OFF THE INTERESTED AREA OF THE SPILL. COLLECT THE LEAKED MATERIAL WITH ABSORBING MATERIAL (SAND, TRIPOLI, ACID BINDER, UNIVERSAL BINDERS, WOOD CHIPS). PROVIDE PROPER VENTILATION. DISPOSE OF THE CONTAMINATED MATERIAL IN CONFORMITY WITH POINT 13

7. Handling and Storage

7.1 HANDLING

BLEACH IS A WATER SOLUTION IT IS AN IRRITATING LIQUID, CAUSES IRRITATION ON THE SKIN AND THE EYES, THEREFORE AVOID CONTACT. USE PROTECTIVE EQUIPMENT INDICATED IN POINT 8.

DO NOT DRINK, DON NOT EAT NOR SMOKE AT THE WORK PLACE. WASH HANDS BEFORE EVERY WORK BREAK AND AT THE END OF THE JOB.

Security Sheet

Rev 2

Del 22/06/09

S.p.a. **BRC - Global standard – Consumer Product**

Pag. 4 di 6

USE EQUIPMENT COMPATIBLE WITH THE PRODUCT.

HANDLE FAR FROM THE REACTIVE SUBSTANCES (SEE POINT 10).

7.2 STORAGE

CONSERVE IN THE ORIGINAL CONTAINERS AND CLOSED, IN A WELL VENTILATED AREA, PROTECTED FROM SUN LIGHT, FAR FROM HEAT SOURCES AND FAR FROM REACTIVE SUBSTANCES (SEE POINT 10).

IN CASE OF TRANSFER USE CONTAINERS MADE WITH THE SAME MATERIAL AS THE ORIGINAL CONTAINER.



Prodotto: Ipoclorito di sodio Codice D5253 – Sheda tecnica e sicurezze direttiva 91/155/EEC

8. Control OF Exposure /Individual protection

8.1 VALUES OF EXPOSURE LIMITS:

THE PRODUCT DOES NOT CONTAIN SIGNIFICANT QUANTITIES OF SUBSTANCES THAT VALUE LIMITS NEED TO BE UNDER CONTROL IN THE WORK PLACE. THE VALID LISTS AT THE TIME OF COMPILATION ARE USED AS A BASE

8.2 CONTROL OF EXPOSURE

8.2.1 CONTROL OF PROFESSIONAL EXPOSURE:

RESPIRATORY PROTECTION:

VENTILATE PROPERLY THE STORAGE AREA AND HANDLE IN CASE OF CHLORINE FUMES BY USING A FACIAL MASK WITH PROPER FILTER PROTECTION

PROTECTION OF THE HANDS:

PROTECTIVE GLOVES RESISTANT TO CHEMICAL AGENTS

PROTECTION OF THE EYES:

WEAR PROTECTIVE EYE WEAR DURING ANY WORKING SITUATION. IN CASE OF RISK WEAR PROTECTION GLASSES FOR CHEMICAL RISKS /FACIAL SHIELD.

PROTECTION FOR SKIN:

WORK CLOTHES THAT COMPLETELY COVER. SPECIFIC HYGENIC MEASURES. CLEAN DIRTY EQUIPMENT.

9. Physical and chemical properties

9.1 GENERAL INFORMATION

APPEARANCE AND COLOUR: LIMPID LIQUID, PALE YELLOW

ODOR: STRONG (CHARACTERISTIC)

9.2 IMPORTANT INFORMAZION ABOUT HEALTH, SICURITY, AND ENVIRONMENT

pH: 10-12

FLAME POINT: NOT FLAMMABLE

EXPLOSIVE PROPERTIES: NOT EXPLOSIVE

DENSITY AT 20°C: ca. 1,26 g/cm³

IDROSOLUBILITY: INFINITY

9.3 OTHER INFORMAZION

FUSION POINT: -20 until -30°C

10. Stability and reactivity

10.1 CONDIZIONI TO AVOID:

THE PRODUCT IS STABLE IN NORMAL WORKING CONDITIONS AND AVOID STORAGE TO HEAT AND/OR HEAT SOURCES AND DIRECT SUN LIGHT

10.2 MATERIAL TO AVOID:

ACIDS (IN PRESENCE OF ACIDS CHLORINE IF FORMED), METALS, ORGANIC SUBSTANCES, AMINES, REDUCING SUBSTANCES.

10.3 DANGEROUS PRODUCTS OF DECOMPOSITION:

IN THE PRESENCE OF DI AMMONIA, IT REACTS CREATING CLOROMINE IT CAN FORM AZOTO. IN CASE OF FIRE, IT CAN FORM ACID FUMES AND Na₂O FUMES.



11. Toxicological Information

SECURITY SHEET

Rev 2

Del 22/06/09

S.p.a. **BRC - Global standard – Consumer Product**

Pag. 5 di 6

_ EYES: IRRITANT. CAUSES BURNING AND TEARING

_ SKIN: IRRITANT. POSSIBILE REDNESS

_ RESPIRATORY: IRRITANT. SORE THROAT, COUGH.

INFORMAZIONE ON DIFFERENT EXPOSURE:

TOPO(ORAL) LD 50: 5800 mg/Kg

12. Ecological information

USE COMMON SENSE WORKING HABITS, AVOID RELEASING THE PRODUCT IN THE ENVIRONMENT.

DO NOT RELEASE PRODUCT IN GROUNDWATER, WATER WAYS, OR DRAINS. DO NOT RELEASE NON DILUTED PRODUCT OR NON NEUTRALIZED IN WASTE WATER AND CHANNELS OF COLLECTION.

THE PRODUCT IS DANGEROUS FOR DRINKING WATER EVEN IN CASE OF SMALL QUANTITY SPILLS.

13. Waste disposal considerations

METHODS OF WASTE DISPOSAL:

DO NOT DISPOSE THE PRODUCT TOGETHER WITH HOUSEHOLD PRODUCTS DO NOT RELEASE IN DRAINS.

TREATMENT OF PACKAGES/CONTAINERS: WASH THOROUGHLY PACKING MATERIALS WITH WATER. PACKING MATERIAL, EMPTIED AND CLEANED, CAN BE RE USED, RECYCLED OR ELIMINATED IN CONFORMITY TO THE APPLICABLE LAWS.

14. Information for transport

STREET TRANSPORT ADR

Number ONU: 1791

Class 8

Packing Group III

N. of danger 80

15. Information on regulation

DANGER SYMBOL

XI IRRITANT

RISK SENTENCES:

R 31 CONTACT WITH FREE ACIDS TOXIC GAS

R 36/38 IRRITANT FOR EYES, AND FOR THE SKIN

CAUTION ADVICE

S 1/2 STORE WITH A KEY AND AWAY FROM CHILDREN.

S 28 IN CASE OF CONTACT WITH THE SKIN WASH THOROUGHLY WITH WATER AND CONSULT WITH A DOCTOR.

S 45 IN CASE OF ACCIDENT OR DISCOMFORT CONTACT IMMEDIATELY A DOCTOR (IF POSSIBLE SHOW HIM/HER THE LABEL).

S 50 DO NOT MIX WITH ACID SUBSTANCES

THE PRODUCT IS CLASSIFIED AND MARKED IN CONFORMITY WITH THE LAWS 67/548/CE AND 199/45/CE

WHERE APPLICABLE, REFER TO THE FOLLOWING LAW

REGULATION (CE) 1907/2006 AND SUCCESSIVE MODIFICATIONS AND AMMENDMENTS (XXIX technical adjustments)

DLGS 152/2006



CheckStab Instruments

Specialists in Tartaric Stability Control



Prodotto: Ipoclorito di sodio Codice D5253 – Sheda tecnica e sicurezze direttiva 91/155/EEC

DLGS 25 DEL 2 February 2002

Security Sheet

Rev 2

Del 22/06/09

S.p.a. **BRC** - Global standard – Consumer Product

Pag. 6 di 6