



SAFETY DATA SHEET

July 2011

FDS 11.07

1. Name of substance / preparation and company

Product information

Item name : **Neutralization kit for ferric chloride** Ref : **AU55**

Company : CIF

11 rue Charles Michels
92227 BAGNEUX Cedex
Tél : 01.45.47.48.00 – Fax : 01.45.47.16.14
E-mail : cif@cif.fr – Web : www.cif.fr

2. Hazards identification

Causes severe burns.

3. Composition information on ingredients

sodium hydroxide solution

wt.-% : 50 CAS N° : 1310-73-2 Hazard symbol : C
Index N°: 011-002-00-6 R-Phrases: 35

4. First-aid measures

Skin contact : Take off immediately all contaminated clothing.
After contact with skin, wash immediately with plenty of water.

Eye contact:

Contamination of the eyes must be treated by thorough irrigation with water, with the eyelids held open. A doctor (or eye specialist) should be Consulted immediately.

Swallowing

if product is swallowed make patient drink plenty of water/milk immediately. Do not induce vomiting. Medical treatment is required as soon as possible.

5. Fire-fighting measures

Extinguishing media: No restriction in fire situations.

6. Accidental release measures

Take up avoiding formation of dust. (keep in labelled, sealable containers). Put a protective equipment (see paragraph 8).

7. Handling and storage

Storage :

Keep container tightly closed and dry.
Handle and open container with care.
Never add water to this product.
Protection against fire and explosion: No special measures required.

8. Exposure controls/Personal protection

For exposure controls see Chapter 15.

Eye protection:

Wear eye/face protection.

Hand protection:

rubber gloves

Respiratory protection:

Dust-protection mask if there is a risk of dust formation.
Avoid contact with eyes and skin.

9. Physical and chemical properties

Form: solid
Colour : white
Odour; odourless
Melting point: 319 °C
Boiling point: 1399 °C at 1013 mbar
Density : 2,13 g/cm³ at 20 °C
Vapour pressure: not applicable
Viscosity: not applicable
Solubility in waters : 1260 g/l at 20 °C
3410 g/l at 100°C
pH value : > 14 at 100 g,l water at 20 °C
Flash point : not applicable
ignition temperature: not applicable
Explosive limits ; not applicable

10. Stability and reactivity

Thermal decomposition: not applicable
Hazardous decomposition products: No hazardous decomposition products observed.
Hazardous reactions; Reacts violently with water, acids and base metals e.g.: aluminium, magnesium, zinc (hydrogen formation).
Further information: hygroscopic

11. Toxicological information

Effect on the eyes: severely corrosive
Effect on the skin: severely corrosive

12*. Ecological information

Acute fish toxicity : LC₅₀ : 189 mg/l

(L. Roth; Water-polluting Substances)

Toxic effect on fish, plankton and on sedentary organisms, also through shifting of pH value.
Causes no biological oxygen Consumption.
Behaviour in wastewater treatment plants; No inhibition of activity of waste water bacteria after neutralisation.

Water pollution class (WGK): 1 - slightly hazardous to water
WGK = Classification in accordance with the German Water resources Act

13* Disposal consideration

Examine possibilities for re-use
Must be given special treatment on consultation with the manufacturer.

European Waste Catalogue (EWC) code : 060299

14. Transport information

| | | | | |
|--------------------------|-------------------------------|------------|-----------------|---------|
| GGVSee/MDG Code: 8 | UN No.: 1824 | MFAG : 705 | EmS: 8 | 06 |
| PG : II | MPO : NO | | | |
| GGVE/GGVS : Class 8 | No. 42B | RID/ADR: | Class 8 No. 91B | N°. 42B |
| Warning sign: Hazard n°. | 080 Substance no. 1824 | | | |
| ADNR : class 8 | N° 42B Cat – ICAO/IATA-DGR: 8 | 1824 | II | |

Limited quantity regulation applicable in accordance with a-marginal number GGVE/RID/GGVS/ADR/ADNR in compliance with threshold value

Declaration for land shipment: 1824, Sodium hydroxide solution
Declaration for sea shipment: Sodium hydroxide solution
Declaration for shipment by air: Sodium hydroxide solution

Other information:

Corrosive. Keep separated from foodstuffs.

***15. Regulatory information**

Labelling as required by the Chemicals (Hazard information and Packaging for Supply) (Amendment) Regulations 1998 (CHIP 98) and corresponding EC directives:

Symbol: C, hazard description: corrosive

50% sodium hydroxide solution

R 35: Causes severe burns.

S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 37/39: Wear suitable gloves and eye/face protection.

S 45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

***16. Other information**

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirement. The data does not signify any warranty with regard to the products' properties.