



C.I.F

SAFETY DATA SHEET

feb 2008

FDS02.08

1. Name of substance / preparation and company

Product information

Item name :

DEVELOPER SOLUTION Ref : AR46

Company : CIF

11 rue Charles Michels

92220 BAGNEUX

Tél : 01.45.47.48.00 – Fax : 01.45.47.16.14

E-mail : cif@cif.fr – Web : www.cif.fr

2. Composition information on ingredients

sodium hydroxide solution

wt.-% : = 1

CAS N° : 1310-73-2

Hazard symbol : Xi irritant

Index N°: 011-002-00-6

R-Phrases: 36/38

3. Hazards identification

Causes severe burns.

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. Fill into labelled sealable containers. Put on 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

tested in accordance with

Form: liquid
Colour : clear
Odour; none reported
Melting point: 32 deg F
Boiling point: 212 deg F
Density : 1
Vapour pressure: 14 mm Hg
Viscosity: > 1 (ether =1)
Solubility in water : Soluble

pH value : Alkaline
Flash point : not applicable
ignition temperature: not applicable
Explosive limits ; not applicable

10. Stability and reactivity

Thermal decomposition: not applicable
Hazardous decomposition products: Toxic fumes of sodium oxide.
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

No information available

13 Disposal consideration

Examine possibilities for re-utilisation.
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: Xi, hazard description: irritant

R 36/38: Irritating to eyes and skin.

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.