



## SAFETY DATA SHEET

feb 2008

FDS02.08

### 1. Name of substance / preparation and company

Product information

Item name :

DEVELOPER SOLUTION bag for 1 litre Ref : AR61

#### 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](mailto:cif@cif.fr) – Web : [www.cif.fr](http://www.cif.fr)

### 2. 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

### 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 an 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.

<b>9. Physical and chemical properties</b>	tested in accordance with
Form:	solid
Colour :	white
Odour;	odorless
Melting point:	319 °C
Boiling point:	1399 °C at 1013 mbar
Density :	2,13 g/cm <sup>3</sup> at 20 °C
Vapour pressure:	not applicable
Viscosity:	not applicable
Solubility in water :	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

<b>10. Stability and reactivity</b>	
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	

<b>11. Toxicological information</b>
Effect on the eyes: severely corrosive
Effect on the skin: severely corrosive

<b>12. Ecological information</b>
Acute fish toxicity : LC <sub>50</sub> : 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

<b>13 Disposal consideration</b>
Examine possibilities for re-utilisation.
Must be given special treatment on consultation with the manufacturer.
European Waste Catalogue (EWC) code : 060299

<b>14. Transport information</b>				
GGVSee/MDG Code: 8	UN No.: 1823	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, Compact Sodium hydroxide			
Declaration for sea shipment:	Compact Sodium hydroxide			
Declaration for shipment by air:	Compact Sodium hydroxide			
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% Compact sodium hydroxide

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.