



SAFETY DATA SHEET

July 2011

FDS 11.07

1. Name of substance / preparation and company

Product information

Item name :

DEVELOPER PART A Réf : AR15

Waterish

Powder

Société : 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. Hazards identification

Symbol(s)	C	Corrosive
R-phrases(s)	R35	Causes severe burns.

3. Composition / information on ingredients

The hazard and labelling information in this section is that of the individual ingredients. The corresponding information relative to this product as supplied is given in section 15.

Full text of each relevant R-phrase is listed in section 16.

Hazardous components

- Sodium carbonate Concentration [%/0] : **20.0** - **30.0**
CAS-No. 497-19-8
Index-No. : **011-005-00-2**
EINECS-No. : 207-838-8
Symbol(s) Xi
R-phrase(s) R36
- Sodium hydroxide Concentration [%/0] : 5.0 - **10.0**
CAS-No. 1310-73-2
Index-No. **011-002-00-6**
EINECS-No. 215-185-5
Symbol(s) C
R-phrase(s) R35
- EDTA-sodium salt Concentration [%] : 1.0 - 5.0
CAS-No. : 64-02-8
EINECS-No. : 200-573-9
Symbol(s) : Xn
R-phrase(s) R22, R36, R52/53

4. First aid measures

Skin contact : Wash immediately with plenty of water and soap. If symptoms persist, seek medical advice.
Eye contact : Rinse with plenty of water. Seek medical attention.
Ingestion : Rinse mouth with plenty of water. Seek medical advice.
Inhalation : Not relevant

5. Fire-Fighting measures

Further information : Product is not combustible.

6. Accidental release measures

Personal precautions : See section 8. Avoid formation of dust.
Environmental precautions : For waste disposal see section 13.
Methods for cleaning up : Collect large spills into a properly labelled and sealable container. Prevent release into the drain, soil or surface water.
Additional advice: Wash away residues with plenty of water.

7. Handling and storage

Handling

Advice on safe handling : Avoid generating airborne dust.
Advice on protection against : No special protective measures against fire and explosion fire and explosion required.

Storage

Requirements for storage areas : Keep container tightly closed. Protect from direct sunlight and containers
Advice on common storage : Store away from acids.

8. Exposure control and personal protection

Exposure Limit Values

Components	CAS-No	Values	Type	Revision date	Basis
Sodium hydroxide	1310-73-2	2 mg/m ³	STEL	2002	EH40 OES

Exposure controls

Engineering measures : Ventilation should be sufficient so that any applicable occupational exposure limits are not exceeded.
Respiratory protection : Use dust mask if necessary.
Hand protection : Use chemical resistant gloves. In case of prolonged immersion or frequently repeated contact use gloves made of the materials: butyl rubber (thickness ≥ 0.36 mm, breakthrough time > 480 min), nitrile rubber (thickness ≥ 0.38 mm, breakthrough time > 480 min) or neoprene (thickness ≥ 0.65 mm, breakthrough time > 240 min). For intermittent splash protection corresponding gloves with breakthrough times > 60 min can be used. Avoid gloves made of: natural latex.
Eye protection : Safety goggles.
Hygiene measures : Observe normal precautions when handling chemicals. Avoid generating airborne dust. Avoid inhaling dust. Keep away from foodstuffs, drinks and tobacco

9. Physical and chemical properties

Appearance : powder
Colour : white to yellowish
Odour : odourless

Safety data

pH (25 °C) : 12.9 at 10 V. solution
Lower explosion limit : Not applicable
Upper explosion limit : Not applicable
Solubility/qualitative : Readily soluble in water.
Relative vapour density : Not applicable

10. Stability and reactivity

Stability	:	The product is stable under normal conditions of storage and use
Conditions and materials to avoid	:	Avoid generating airborne dust. Avoid contact with acids. Remove all chemicals and rinse the processing tanks thoroughly with water before using any cleansing products.
Hazardous decomposition Products	:	None

11. Toxicological information

R-phrase(s) : R35 Causes severe burns.
Toxicity data specific for individual ingredients in their pure state

Acute oral toxicity

Sodium carbonate	:	LD50 rat	4,090 mg/kg
EDTA-sodium salt	•	LD50 rat	> 1,000 mg/kg

Other information

Hazard labelling of this preparation: see section 15.

12. Ecological information

Ecotoxicity effects

Pending the development of criteria for evaluating impact of a chemical preparation, ecological information referring to the most important individual ingredients present in this preparation is given here merely as an indication. The effective environmental impact of this preparation should of course be assessed taking into account the actual concentration of each individual ingredient in this preparation.

Toxicity to fish

EDTA-sodium salt	:	Species: Lepomis macrochirus (bluegill sunfish) Dose: 540.00 mg/l/ 96 h
------------------	---	---

13. Diaposal procedure

Environmental regulations, discharge of chemicals and washwater, waste treatment and disposal conditions of chemicals and their packaging may vary from one country to another. The relevant local regulations should be consulted. When this product or its contaminated packaging has to be removed as waste, contact an authorized waste contractor. May be discharged to drain if local regulations permit.

For waste resulting from this product, it is recommended to use European Waste Code : 09 01 01 (water-based developer and activator solutions).

14. Transport information

ADR

UN-No	:	1823
Proper shipping name	:	SODIUM HYDROXIDE, SOLID, MIXTURE
Class	:	8
Packing group	:	II
Classification Code	:	C6
Label No	:	8
Risk No.	:	80

RID

UN-No	:	1823
Proper shipping name	:	SODIUM HYDROXIDE, SOLID, MIXTURE
Class	:	8
Packing group	:	II
Classification Code	:	C6
Label No	:	8
Risk No.	:	80

ADNR

UN-No	:	1823
Proper shipping name	:	SODIUM HYDROXIDE, SOLID, MIXTURE
Class	:	8
Packing group	:	II
Classification Code	:	C6
Label No	:	8

IMO / IMDG

UN-No : 1823
Proper shipping name : SODIUM HYDROXIDE, SOLID, MIXTURE
Class : 8
Packing group : II
Label No : 8
EmS : F-A, S-B

ICAO | IATA cargo aircraft only

UN-No : 1823
Proper shipping name : SODIUM HYDROXIDE, SOLID, MIXTURE
Class : 8
Packing group : II
Label No : 8
Packing instruction : 816

ICAO /IATA passenger and cargo aircraft

UN-No : 1823
Proper shipping name : SODIUM HYDROXIDE, SOLID, MIXTURE
Class : 8
Packing group : II
Label No : 8
Packing instruction : 814

15. Regulatory information**Labelling according to EC Directives**

Hazardous components which must be listed on the label :

- CAS-No. : 1310-73-2 Sodium hydroxide
Symbol(s) : C Corrosive
R-phrase(s) : R35 Causes severe burns.
S-phrase(s) : S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37/39 Wear suitable gloves and eye/face protection.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

16. Other information

- Full text of R-phrases referred to under Sections 2 and 3:
- R22 Harmful if swallowed.
- R35 Causes severe burns.
- R36 Irritating to eyes.
- R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

This Safety Data Sheet is compiled in accordance with European Directives and corresponding national legislation.

The information disclosed in this Safety Data Sheet is believed to be correct to the best of our current knowledge and experience. It only relates to the specific product designated herein and it may not be valid when said product is used in combination with any other material or in any process, unless specified in the text. This document aims to provide the necessary health and safety information of the product and is not to be considered a warranty or quality specification. It is the responsibility of the user to comply with local legislation relating to safety, health, environment and waste management