SAFETY DATA SHEET

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name: OWATROL MARINE STRIP
Product code: MSTRIPHCS.

1.2. Relevant identified uses of the substance or mixture and uses advised against

Gel - Removes paint and varnish. Solvent free. Water washable. Based on caustic soda.

1.3. Details of the supplier of the safety data sheet

Registered company name: DURIEU S.A..
Address: Z.I. "La Marinière" 2 bis, rue Charles de Gaulle.91070.BONDOUFLE.FRANCE.
Telephone: + 33 (0)1.60.86.48.70. Fax: + 33 (0)1.60.86.84.84.
info@durieu.com
www.durieu.com

1.4. Emergency telephone number: + 33 (0)1.45.42.59.59.


SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

HCS compliant.
Skin corrosion, Category 1A (Skin Corr. 1A).

2.2. Label elements

HCS compliant.

Signal Word: DANGER
Product identifiers:
CAS 1310-73-2 SODIUM HYDROXIDE
Hazard statements:
H314 Causes severe skin burns and eye damage.
Precautionary statements - General:
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
Precautionary statements - Prevention:
P280 Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary statements - Response:
P301 + P330 + P331 IF SWALLOWED: rinse. Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3. Other hazards

No data available.
SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition :

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<th>HCS</th>
<th>Nota</th>
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<td>CAS: 1310-73-2</td>
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SODIUM HYDROXIDE

Information on ingredients :

[1] Substance for which maximum workplace exposure limits are available.

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of splashes or contact with eyes :
Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.
Regardless of the initial state, refer the patient to an ophthalmologist and show him the label.

In the event of splashes or contact with skin :
Remove any soiled or splashed clothing immediately.
Watch out for any remaining product between skin and clothing, watches, shoes, etc.
If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.
Rincer immédiatement et abondamment à l'eau pendant 15 min

In the event of swallowing :
Do not give the patient anything orally.
Seek medical attention immediately, showing the label.
Do not induce vomiting

4.2. Most important symptoms and effects, both acute and delayed
No data available.

4.3. Indication of any immediate medical attention and special treatment needed
No data available.

SECTION 5 : FIREFIGHTING MEASURES

This product is not classed as flammable.

5.1. Extinguishing media

Suitable methods of extinction
CO2, extinguishing powder or pulverized water.

Unsuitable methods of extinction
Direct water jet.

5.2. Special hazards arising from the substance or mixture
A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
Do not breathe in smoke.
In the event of a fire, the following may be formed :
- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters
No data available.
SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Consult the safety measures listed under headings 7 and 8.

For non first aid worker
Avoid any contact with the skin and eyes.

For first aid worker
First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions
Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up
Neutralise with an acidic decontaminant.
If the ground is contaminated, once the product has been recovered by sponging with an inert and non-combustible absorbent material, wash the contaminated area in plenty of water.
Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections
No data available.

SECTION 7 : HANDLING AND STORAGE
Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling
Always wash hands after handling.
Remove and wash contaminated clothing before re-using.
Emergency showers and eye wash stations will be required in facilities where the mixture is handled constantly.
Keep containers tightly closed.

Fire prevention :
Prevent access by unauthorised personnel.

Recommended equipment and procedures :
For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.

Prohibited equipment and procedures :
No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities
Part used containers must be properly closed and kept in upright position.
Keep only in the original container
Stock between +5°C and +30°C in a dry, well ventilated place.

Storage
Keep out of reach of children.

Packaging
Always keep in packaging made of an identical material to the original.

Recommended types of packaging :
- Vats
- Buckets

Suitable packaging materials :
- Plastic

Unsuitable packaging materials :
- Metal

7.3. Specific end use(s)
No data available.
SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits :
- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

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- France (INRS - ED984 :2012) :

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- UK / WEL (Workplace exposure limits, EH40/2005, 2007) :

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8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Use personal protective equipment that is clean and has been properly maintained.
Store personal protective equipment in a clean place, away from the work area.
Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- **Eye / face protection**
  Avoid contact with eyes.
  Use eye protectors designed to protect against liquid splashes.
  Before handling, wear safety goggles with protective sides accordance with standard EN166.
  In the event of high danger, protect the face with a face shield.
  Prescription glasses are not considered as protection.
  Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.
  Provide eyewash stations in facilities where the product is handled constantly.

- **Hand protection**
  Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.
  Gloves must be selected according to the application and duration of use at the workstation.
  Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.
  Type of gloves recommended :
  - Natural latex
  - Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))
  - PVC (polyvinyl chloride)
  - Butyl Rubber (Isobutylene-isoprene copolymer)
  Recommended properties :
  - Impervious gloves in accordance with standard EN374
  - Permeability time : >480 min for a thickness >0.75 mm
  - CEN recommendations : EN 420 and EN 374/3

- **Body protection**
  Avoid skin contact.
  Wear suitable protective clothing.
  Suitable type of protective clothing :
  - In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.
  - In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.
  - Wear suitable protective clothing, in particular overalls and boots. These items must be kept in good condition and cleaned after use.
  - Work clothing worn by personnel shall be laundered regularly.
  - After contact with the product, all parts of the body that have been soiled must be washed.

- **Respiratory protection**
  Type of FFP mask :
  Wear a disposable half-mask aerosol filter in accordance with standard EN149.
Category:
- FFP2

Type of mask with combined filters:
Wear a half mask in accordance with standard EN140.
Anti-gas and vapour filter(s) (Combined filters) in accordance with standard EN14387:
- A2 (Brown)
- B2 (Grey)

Particle filter according to standard EN143:
- P2 (White)

CEN recommendations: EN 136, EN 140, EN 405 for masks and EN 143, EN 149 for filters.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information:
- Physical state: Fluid liquid.
- Colour: Milky.

Important health, safety and environmental information:
- pH (aqueous solution): >13
- pH: Not stated.

Boiling point/boiling range: Not relevant.
Flash point interval: Not relevant.
Vapour pressure (50°C): Not relevant.
Density: > 1
Water solubility: Dilutable.
Melting point/melting range: Not relevant.
Self-ignition temperature: Not relevant.
Decomposition point/decomposition range: Not relevant.

9.2. Other information
- VOC (g/l): 2.5

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid
- Avoid:
  - frost

10.5. Incompatible materials
Keep away from:
- acids
- oxidising agents
- reducing agents

10.6. Hazardous decomposition products
The thermal decomposition may release/form:
- carbon monoxide (CO)
- carbon dioxide (CO2)
SECTION 11 : TOXICOLOGICAL INFORMATION
11.1. Information on toxicological effects
May cause irreversible damage to the skin; namely, visible necrosis through the epidermis and into the dermis, following exposure for up to three minutes.
Corrosive reactions are typified by ulcers, bleeding, bloody scabs, and, by the end of observation at 14 days, by discolouration due to blanching of the skin, complete areas of alopecia, and scars.

11.1.1. Substances
No toxicological data available for the substances.

11.1.2. Mixture
Other information
Formula sent to the I.N.R.S.

SECTION 12 : ECOLOGICAL INFORMATION
The product must not be allowed to run into drains or waterways.

12.1. Toxicity
12.1.2. Mixtures
No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
This product is dilutable in water in all proportion.

12.5. Results of PBT and vPvB assessment
No data available.

12.6. Other adverse effects
Diluted in plenty of water, the product does not present significant environmental risks.

SECTION 13 : DISPOSAL CONSIDERATIONS
The appropriate waste management of the mixture and/or its container must be determined in accordance with local regulations.

13.1. Waste treatment methods
Do not pour into drains or waterways.

Waste :
Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :
Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

14.1. UN number
1719

14.2. UN proper shipping name
UN1719=CAUSTIC ALKALI LIQUID, N.O.S.
(sodium hydroxide)
14.3. Transport hazard class(es)
- Classification:

8

14.4. Packing group
II

14.5. Environmental hazards

14.6. Special precautions for user

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For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.
For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
No data available.

SECTION 15 : REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
The following regulations have been used:
- Container information:
  No data available.
- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):
  NFPA 704, Labelling: Health=3 Inflammability=1 Instability/Reactivity=1 Specific Risk=None

- Clean Water Act : Toxic Pollutants (CWA 307A)
  Unlisted.
- Clean Water Act : Hazardous Substances (CWA 311)
  Unlisted.
- Clean Water Act : Hazardous Substances (CWA 304b)
  Unlisted.
- Clean Water Act : Priority Pollutants (CWA Priority)
  Unlisted.
- Clean Air Act : Hazardous Air Pollutants (CAA 112(b) HAP (188))
  Unlisted.
- Clean Air Act : Organic Hazardous Air Pollutants National Emission Standards (CAA 112(b) HON (387))
  Unlisted.
- **Clean Air Act**: Protection of Stratospheric Ozone (CAA 602)  
  Unlisted.

- **SARA 110**  
  Unlisted.

- **SARA 302/304**  
  Unlisted.

- **SARA 313**  
  CAS Name  
  1310-73-2 SODIUM HYDROXIDE

- **California proposition 65**: Chemicals known to the state to cause cancer or reproductive toxicity  
  Unlisted.

- **Massachusetts : Right to Know**  
  CAS Name  
  1310-73-2 SODIUM HYDROXIDE

- **New Jersey : Right to Know**  
  CAS Name  
  1310-73-2 SODIUM HYDROXIDE

- **Pennsylvania : Hazardous Substance**  
  CAS Name  
  1310-73-2 SODIUM HYDROXIDE

- **Rhode Island : Hazardous substance list**  
  CAS Name  
  1310-73-2 SODIUM HYDROXIDE

- **TSCA (Toxic Substances Control Act) - USA**  
  All components are listed or exempted.

**15.2. Chemical safety assessment**  
No data available.

**SECTION 16 : OTHER INFORMATION**

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

**Wording of the phrases mentioned in section 3 :**  
H314 Causes severe skin burns and eye damage.

**Abbreviations :**

- **ADR**: European agreement concerning the international carriage of dangerous goods by Road.
- **IMDG**: International Maritime Dangerous Goods.
- **IATA**: International Air Transport Association.
- **ICAO**: International Civil Aviation Organisation.
- **RID**: Regulations concerning the International carriage of Dangerous goods by rail.
- **GHS05**: Corrosion.
- **PBT**: Persistent, bioaccumulable and toxic.
- **vPvB**: Very persistent, very bioaccumulable.
- **HCS**: Hazard Communication standard (OSHA).