

SAFETY DATA SHEET

Date prepared: 02 January 2008
Version: 3

1.- PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: RUBINET SEAM CLEANER

PRODUCT USE: Joint cleaner.

RESPONSIBLE FOR MARKETING: GERMANS BOADA, S.A.

COMPANY ADDRESS: Avda. Olímpíades, 89-91
08191 RUBÍ
BARCELONA

TELEPHONE NUMBER: 93 680 65 00

EMERGENCY NUMBER: NATIONAL TOXICOLOGY INSTITUTE: 91/562 04 20

FORMULA REFERENCE: 093083/005

2.- HAZARDS IDENTIFICATION

EFFECTS ON HEALTH: Causes chemical burns on the skin, mouth, throat, digestive tracts and eyes. In high vapour or particle concentrations irritating to nose, throat and respiratory system.

EFFECTS ON THE ENVIRONMENT: Acid, nutritive element for unwanted algae.

UNSUITABLE USE: Avoid contact with alkalis, metals, sulphides, phosphates, cyanides, carbonides and silicides.

3.- COMPOSITION / INFORMATION ON INGREDIENTS

PRODUCT ESSENTIAL INGREDIENTS:

	CAS #	EC #	R - Symbol	Concentration
Phosphoric acid	7664-38-2	231-633-2	C, R 34	10-20%
Ethoxilated fatty alcohol	68131-39-5		Xn, N, R22, 36/38	0-1%
Water	7732-18-5			Over 75%

4.- FIRST AID

Product composition is registered at the Toxicology Information Service (National Toxicology Institute).
Tel.: 915 620 420.

CONTACT WITH EYES:

- Flush with water (15 minutes), lifting upper and lower eyelids occasionally. Seek medical attention immediately.
- Seek medical attention immediately.
- Do not wear contact lenses when using this product.

INHALATION OF LARGE AMOUNTS:

- Move victim immediately to a quiet and ventilated area (clean air).
- Keep victim at rest and in a warm place.
- If the person is not breathing perform artificial respiration. If breathing with difficulty have a qualified professional administer oxygen.
- Seek medical attention as soon as possible.

CONTACT WITH SKIN:

- Take off contaminated clothing.
- Wash affected areas with water jet and neutral soap .
- Seek medical attention immediately.

INGESTION

- Rinse mouth with water.
- Do NOT induce vomiting
- Seek medical attention as soon as possible.

Source: National Institute for Occupational Safety and Health.

5.- FIRE FIGHTING MEASURES

Non-flammable

MEANS OF EXTINCTION: Mist or pulverised water, carbon dioxide, chemical powder.

SPECIAL MEANS AGAINST FIRE: Keep product containers cold, spraying them with pulverised water if exposed to fire.

SPECIAL HAZARDS: May contribute to fires and explosions as with some metals it can form hydrogen.

SPECIAL PROTECTION EQUIPMENT: Autonomous protection equipment, goggles, protective suits, gloves and face screens.

ADDITIONAL REFERENCES. The product is not flammable nor combustible but in contact with water can produce enough heat to ignite combustible products .

6.- ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:

- Block exits if this can be done without risk.
- Do not inhale vapours.
- Do not operate without personal protection clothing (gloves, boots, overalls, etc.).
- Keep unprotected staff away from the affected area and out of wind flow.

ENVIRONMENTAL PRECAUTIONS

- If the product has entered waterways or sewers or has contaminated soil or vegetation notify the authorities .

CLEANING METHODS:

- Plug liquid spills with sand, earth or any other suitable material.
- Do not use metal containers to recover spilt liquid.
- Finally wash the affected area with plenty of water.
- Wash the area with water trying not to form large amounts of foam

7.- HANDLING AND STORAGE

HANDLING:

- Precautions: Avoid all contact of the aqueous solution with eyes or skin. Do not wear contact lenses when handling.
- Wear goggles, gloves, overall and plastic or artificial rubber boots .
- Do not eat, drink or smoke while using.

STORAGE:

- Store in area with corrosion resistant cement flooring.
- Keep containers tightly closed.
- Store away from strong oxidising substances or alkalis.
- Store in well-ventilated areas.

SPECIFIC USE:

- This product is for cleaning joints.

8.- EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limit (phosphoric acid): TLV: 1 mg/m³

Exposure effects: Skin irritation.

PROFESSIONAL EXPOSURE CONTROLS:

WEAR EYE PROTECTION TO AVOID:

- Any contact with eyes.

EMPLOYEES MUST WASH:

- Immediately on contact with skin.

REPLACE NON-IMPERMEABLE CLOTHING:

- Immediately if chemical soaked.

ENSURE AVAILABILITY OF:

- Rubber gloves, protective suit.
- Watertight safety goggles.
- Eye wash at the immediate work area.
- Automatic quick drench shower.
- General or local ventilation system in processes using the product.

ENVIRONMENTAL EXPOSURE CONTROLS:

Waste control.

9.- PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM: Light liquid **COLOUR:** Colourless transparent

SOLUBILITY: Total in water **pH:** 0 - 1

10.- STABILITY AND REACTIVITY

Stable under recommended storage and handling conditions. Reacts forming hydrogen in contact with reactive metals.

MATERIAL TO AVOID: Avoid reactions with alkaline metals (especially soda), sulphides, phosphates, cyanides, carbonides and silicides.

HAZARDOUS DECOMPOSITION PRODUCTS: When heated it decomposes, giving off toxic phosphoric oxide gases . Can give off hydrogen in contact with metals.

11.- TOXICOLOGICAL INFORMATION

: (*Phosphoric acid*): CORROSIVE

DL50 (ingestion)	1530 mg/kg.
CL50 (inhalation)	1000 ppm

DL50 (skin)

2,740 mg/kg.

Danger by:

- Contact with eyes: Corrosive to eyes
- Contact with skin: Corrosive to skin.
- Inhalation: Irritating to respiratory system and throat.
- Ingestion: Corrosive to digestive tract.

12.- ECOLOGICAL INFORMATION

ENVIRONMENTAL AND ECOLOGICAL IMPACT:

- The product can cause acidification of land and effluents.
- Nutrient in sewers, closed piping or river beds.

TOXICITY:

- May be harmful for the aquatic environment. Make sure it is neutralised before disposal in sewers, waterways or rivers.
- Dangerous to fauna and flora in high concentrations.
- Does not cause biological oxygen consumption.

The tensoactive agent is easily biodegradable (>80%, OCDE method) according to the biodegradability criterion stipulated in Regulation (EC) # 648/2004 on detergents.

13.- ELIMINATION CONSIDERATIONS

Legal standards establish that it is prohibited to dispose of industrial waste waters directly or indirectly into general supply with a pH level below 6-10 units. It must therefore be neutralised prior to dumping.

SUITABLE METHOD FOR TREATMENT OF

THE PRODUCT: After it has been diluted in water neutralise it slowly with sodium carbonate or diluted soda or pit lime. Add plenty of water to dilute, controlling the pH before dumping.

PACKAGING/CONTAINERS: Wash with plenty of water. Never use other products.

14.- TRANSPORTATION INFORMATION TRANSPORT:

TRANSPORT: This preparation is NOT subject to legal regulations in terms of Transport Standards ADR, RID, IMDG, OACI/IATA and ADN.

15.- REGULATORY INFORMATION

PRODUCT CLASSIFIED ACCORDING TO:

- Regulation (EC) # 1907/2006 of the European Parliament and Council of 18 December 2006 for registration, evaluation, authorisation and restriction of chemical substances and preparations (REACH), by which the European Agency for Chemical Substances and Preparations was created, the Directive 1999/45/EC is modified and the Council Regulation (EEC) # 793/93 and the Commission Regulation (EC) # 1488/94 is revoked, also the Council Directive 76/769/EEC and the Commission Directives 91/155/EEC 93/67/EEC, 93/105/EC and 2000/21/EC.

- Royal Decree 255/2003 of 28 February, by which the Regulation is approved for classification, packaging and labelling of hazardous preparations (Directive 1999/45/EC of 31/05/1999). According to Royal Decree 363/1995 (Directive 67/548/EC, modified by Directive 2001/59/EC, of 06/08/2001).

- According to Royal Decree 770/1999, of 7 May, by which the technical-sanitary Regulation is approved for manufacturing, circulating and marketing of detergents and cleaning products. (Regulation (EC) # 648/2004 OF THE EUROPEAN PARLIAMENT AND COUNCIL of 31 March 2004 on detergents).

The product is classified as **IRRITANT** and the corresponding pictogram should appear with the black image on an orange background.



Irritante
Irritant
Irritant

XI

COMPULSORY HAZARD AND SAFETY PHRASES:

Do not swallow

R 36/38: Irritating to eyes, skin

S 2: Keep out of the reach of children.

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

S 37: Wear suitable gloves.

S 46: If swallowed, seek medical advice and show this container or label

In case of accident or danger to health, seek medical advice or consult the Toxicology Information Medical Service, NATIONAL TOXICOLOGY INSTITUTE. Tel.: 915 620 420.

16.- OTHER INFORMATION

Complete text of R phrases listed in point 3:

R 22	Harmful if swallowed
R 34	Causes burns.
R 36/38	Irritating to eyes, skin

The following points have been modified from the previous Version 2: 1, 2, 3, 7, 9, 11, 14, 15, 16.

This sheet completes the technical information for use but does not replace it. Its contents have been provided by the manufacturer and the data contained is in accordance with our knowledge of the product up to the date indicated. The data is given in good faith and only refer to the use described for this product.

