

SAFETY DATA SHEET

01/A1 MARINE ANTIFOULING AND PAINT REMOVER

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

1.1. PRODUCT IDENTIFIER

Product name Marine Antifouling and Paint Remover
Product No. 01/A1

1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Identified use: Antifouling and conventional paint. Use in accordance with the instructions provided on the container.

Uses advised against: No specific uses advised against are identified

1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

HD Chemicals
27 Floyd Close
PL2 2JR Plymouth
+44(0)xxxxxxxxxxx
info@xxxx.co.uk

Contact Person responsible for SDS: Mr Piotr Konefal, tel. xxxx, e-mail: xxxx

1.4. EMERGENCY TELEPHONE NUMBER

+44 (0) xxx (08.30 - 16.30 hrs Mon - Thurs, 08.30 - 15.00 hrs Fri)

SECTION 2: HAZARDS IDENTIFICATION

2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Classification (1999/45/EEC) N; R35, R51/53, R66, R67.

2.2. LABEL ELEMENTS



Hazardous to the environment

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Corrosive

RISK PHRASES

- R35 Causes severe burns
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R66 Repeated exposure may cause skin dryness or cracking
R67 Vapours may cause drowsiness and dizziness

SAFETY PHRASES

- S1/2 Keep locked and out of the reach of children
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point
S37 Wear suitable gloves
S45 In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)
S46 If swallowed, seek medical advice immediately and show this container or label
S51 Use only in well-ventilated areas
S61 Avoid release to the environment

HAZARD PHRASES

- H318 Causes serious eye damage
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H335 May cause respiratory irritation

PROTECTION PHRASES

- P280 Wear protective gloves/protective clothing/eye protection/face protection
P305+P351+P338+P310:
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician
P302+P352+P333+P313:
IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention



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P261+P304+P340+P312:

Avoid breathing dust/fume/gas/mist/vapours/spray. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

HD Chemicals Strippit Max is a UVCB substance (Substances of Unknown or Variable composition, Complex reaction products or Biological materials)

Composition information – main constituents

Substance name	Mol. Formula	Typical conc. (%w/w)	Conc. Range (%w/w)
Sodium hydroxide	NaOH	20	10-28

SECTION 4: FIRST AID MEASURES

4.1. DESCRIPTION OF FIRST AID MEASURES

General information: General first aid, rest, warmth and fresh air. Do not give victim anything to drink if they are unconscious.

Inhalation: Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.

Place unconscious person on the side in the recovery position and ensure breathing can take place.

Ingestion: DO NOT induce vomiting. Get medical attention immediately. Provide fresh air, warmth and rest, preferably in comfortable upright sitting position.

Skin contact: Remove affected person from source of contamination. Remove contaminated clothing immediately and wash skin with soap and water.

Eye contact: Make sure to remove any contact lenses from the eyes before rinsing. Continue to rinse for at least 15 minutes and get medical attention

4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

General information: If adverse symptoms develop as described the casualty should be transferred to hospital as soon as possible.

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4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

When contacting a physician, take this SDS with you

SECTION 5: FIREFIGHTING MEASURES**5.1. EXTINGUISHING MEDIA**

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Unusual Fire and Explosion Hazards: When heated and in case of fire, harmful vapours/gases may be formed.

5.3. ADVICE FOR FIRE-FIGHTERS

Do not allow runoff to sewer, waterway or ground.

Protective equipment for fire-fighters advised.

Avoid breathing fire vapours.

Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

This product is stable and compatible with all compounds that are compatible with water and water solutions. Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. Wear protective clothing as described in Section 8 of this safety data sheet. Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area. Eye contact MUST be prevented by means of suitable personal protection equipment. In case of spills, beware of slippery floors and surfaces. Avoid inhalation of spray mist and contact with skin and eyes.

6.2. ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, water courses or onto the ground. Contain spillages with sand, earth or any suitable adsorbent material. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP



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Wash thoroughly after dealing with a spillage. Absorb spillage with non-combustible, absorbent material. Transfer to a container for disposal. Flush area with plenty of water. Ventilate well. Avoid generation and spreading of dust.

6.4. REFERENCE TO OTHER SECTIONS

For personal protection, see section 8. For waste disposal, see section 13

SECTION 7: HANDLING AND STORAGE

7.1. PRECAUTIONS FOR SAFE HANDLING

Avoid spilling, contact with skin and eyes. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Observe occupational exposure limits and minimise the risk of inhalation of vapours and mist. Do not eat, drink or smoke when using the product. Provide good ventilation. Container must be kept tightly closed. The Manual Handling Operations Regulations may apply to the handling of containers of this product.

7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Store in closed original container at temperatures between 5°C and 25°C. Store separated from Acids. Keep away from heat. Keep containers tightly closed. Keep upright.

7.3. SPECIFIC END USE(S)

The identified uses for this product are detailed in Section 1.2.

Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. CONTROL PARAMETERS

Standard tests for this endpoint are intended for single substances and are not appropriate for the risk assessment of this complex substance.

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8.2. EXPOSURE CONTROLS

Name	Std	LT-ppm	LT-mg/m3	ST-ppm
Sodium hydroxide	OST			2mg/m3

INGREDIENT COMMENTS

OES = Occupational Exposure Standard

Protective equipment:



Wear Oil resistant gloves and suitable eye protection.

Process conditions:

Provide eyewash, quick drench

Engineering measures:

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Respiratory equipment:

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

Hand protection

Use suitable protective gloves if risk of skin contact. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Barrier cream applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin.

Eye protection

Wear splash-proof eye goggles to prevent any possibility of eye contact.

Other Protection

Wear appropriate clothing to prevent reasonably probable skin contact.

Hygiene measures

No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Powder, dust Paste with tiny white crystals
Colour:	White/off-white
Odour:	Characteristic
Solubility:	Soluble in water
Flash point (°C):	N/A
Auto Ignition Temp.(°C)	400-450

9.2. OTHER INFORMATION

No information required.

SECTION 10: STABILITY AND REACTIVITY**10.1. REACTIVITY**

No specific reactivity hazards associated with this product.

10.2. CHEMICAL STABILITY

Stable under normal temperature conditions and recommended use.

10.3. POSSIBILITY OF HAZARDOUS REACTIONS

Not determined. Might evolve hydrogen in contact with aluminium and zinc.

10.4. CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition. Protect from frost. Avoid contact with acids and oxidising substances.

10.5. INCOMPATIBLE MATERIALS

Materials To Avoid: Strong alkalis. Strong acids. Strong oxidising substances.

10.6. HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition or combustion may liberate carbon oxides and other harmful gases or vapours.

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SECTION 11: TOXICOLOGICAL INFORMATION**11.1. INFORMATION ON TOXICOLOGICAL EFFECTS**

Inhalation: Vapour from this chemical can be hazardous when inhaled in bigger dosage. Vapour may irritate respiratory system or lungs.

Ingestion: Liquid irritates mucous membranes and may cause abdominal pain if swallowed.

Skin contact: Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Prolonged or repeated exposure may cause severe irritation.

Eye contact: May cause temporary eye irritation.

Health Warnings: This product has low toxicity. Only large volumes may have adverse impact on human health.

Route of entry: Inhalation. Skin absorption. Ingestion. Skin and/or eye contact.

Medical Considerations: Skin disorders and allergies. Avoid vomiting and normal rinse of stomach because of risk of aspiration.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: The product contains substances which are unsafe to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

12.1. TOXICITY

Do not allow to enter drains, sewers or watercourses.

12.2. PERSISTENCE AND DEGRADABILITY

The product is not expected to be biodegradable.

12.3. BIOACCUMULATIVE POTENTIAL

The product contains potentially bioaccumulating substances.

12.4. MOBILITY

Hygroscopic and very soluble.

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SECTION 13: DISPOSAL CONSIDERATIONS

General information: Do not allow to enter drains, sewers or watercourses
Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

UK ROAD CLASS: 8 UN NO. ROAD: 1823
PROPER SHIPPING NAME: Paint Varnish contain Sodium Hydroxide, Solid.
UK ROAD PACK GR: II ADR CLASS NO: 8
ADR PACK GROUP: II ADR CLASS: class 8: corrosive substances
HAZARDS NO (ADR) 80 ADR LABEL NO: 8
HAZCHEM CODE: 2X CEFIC TEC(R) NO: 80GC6-11+111
RID CLASS NO: 8 RID PACK GROUP: II
UN NO.SEA: 1823 IMDG CLASS: 8
IMDG PAGE NO: 8 IMDG PACK GR: II
EMS: F-A,S-B MGAG: See guide
MARINE POLLUTANT: NO UN NO.AIR: 1823
ICAO CLASS: 8 AIR PACK GR: II

14.4. PACKING GROUP

ADR/RID/ADN Packing group II
IMDG Packing group II
ICAO Packing group II

14.5. ENVIRONMENTAL HAZARDS

Environmentally Hazardous Substance/Marine Pollutant

14.6. TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE

Not applicable.

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SECTION 15: REGULATORY INFORMATION**15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE****UK Regulatory References**

The products are classified and supplied in accordance with the Chemicals (Hazard Information Packaging for supply) regulations (CHIP).

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks as required by other health and safety legislation. The provision of the Health and Safety at Work Act and the Control of Substances Hazardous to Health regulations apply to the use of this product at work.

Approved Code Of Practice.

Approved classification and labelling guide (Sixth edition) The compilation of safety data sheets (Third edition)

Supply: Corrosive Label required

Contains: Sodium Hydroxide

EU Legislation

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Classification, labelling and packaging of substances and mixtures 1272/2008EC National Regulations

The Control Of Substances Hazardous to Health regulations (as amended) The Manual Handling Operations regulations (as amended) The Environmental Protection (Duty of Care) regulations (as amended) The Chemicals (Hazard Information and Packaging) for supply regulations (as amended) The Health and Safety at Work act 1974 (as amended)

SECTION 16: OTHER INFORMATION**General information**

The information contained in this safety data sheet is provided in accordance with the requirements of the regulations. The product should not be used for purposes other than those shown in section 1 without first referring to the supplier and obtaining written handling instruction.

As the specific conditions of use of the product are outside the suppliers control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.



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Revision Comments

This information is provided in a revised format to that previously produced.

Revision Date: 03/02/2015

Revision: 01

Safety Data Sheet Status Approved.

Date printed _____

Signature Initials _____

RISK PHRASES

- R35 Causes severe burns
- R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R63 Possible risk of harm to the unborn child
- R65 Harmful: may cause lung damage if swallowed
- R66 Repeated exposure may cause skin dryness or cracking
- R67 Vapours may cause drowsiness and dizziness

SAFETY PHRASES

- S1/2 Keep locked and out of the reach of children
- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
- S29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point
- S37 Wear suitable gloves
- S45 In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)
- S46 If swallowed, seek medical advice immediately and show this container or label
- S51 Use only in well-ventilated areas
- S61 Avoid release to the environment

HAZARD PHRASES

- H332 Harmful if inhaled.
- H312 Harmful in contact with skin.
- H412 Harmful to aquatic life with long lasting effects.
- H304 May be fatal if swallowed and enters airways.
- H317 May cause an allergic skin reaction.
- H373 May cause damage to organs <<Organs>> through prolonged or repeated exposure if inhaled.
- H336 May cause drowsiness or dizziness.
- H335 May cause respiratory irritation.
- EUH066 Repeated exposure may cause skin dryness or cracking.

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H361d Suspected of damaging the unborn child.
H411 Toxic to aquatic life with long lasting effects

DISCLAIMER:

If this product is re-distributed and re-formulated for sale, details of its hazards and recommended methods for safe handling must be passed to customers. Customers are urged to ensure that the product is entirely suitable for their own purpose. It is the customer's responsibility to ensure that a suitable and sufficient assessment of the risks created by a work activity using this product is undertaken before this product is used.

NOTE: The information contained in this Safety Data Sheet does not constitute the users own assessment of workplace risk as required by other Health & Safety Legislation (e.g. the Health and Safety at Work Act,1974;the control of Substances Hazardous to Health Regulations,1988). The data given here is based on current knowledge and experience. The purpose of this data sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the product's properties.