



**Safety Data  
Sheet For:**

**INTACHEM™  
HD-400**

**Description:**

Heavy Duty  
Degreasant

**Coverage:**

Circa. 4 sq.m/litre

INTACHEM IS THE TRADE  
MARK OF F&D BULK  
SERVICES LTD

**1. IDENTIFICATION OF SUBSTANCES, PREPARATIONS AND COMPANY:**

Name of Preparation: HD-400  
Supplier: IntaChem, 1 Irwin Drive, Nottingham NG6 7BJ  
Distributor: Remmers (see contact details below, left)

**2. COMPOSITION/INFORMATION ON INGREDIENTS:**

Composition: Classified as hazardous both for supply and carriage under CHIP regulations  
Contains: (1) 10-30% w/w Sodium Hydroxide  
CORROSIVE—Symbols C  
(2) 1-10% w/w Amphoteric and non-ionic detergents  
IRRITANT

**3. HAZARDS IDENTIFICATION:**

HD-400 presents hazards to operators if not used correctly as caustic soda (sodium hydroxide) is corrosive to skin and eyes. Causes severe burns. Always consult local water authority and local council before disposal of waste water debris. HD-400 presents little ecological hazards due to the large amounts of rinse water used in normal operations. Consult local water authority prior to disposal of waste water debris.

**4. FIRST AID MEASURES:**

Care should be taken to avoid contact with the eyes and skin. If splashes occur the following procedures should be adopted.

- A) Wash all affected areas with liberal quantities of water for at least 1 minute.
- B) Remove all contaminated clothing.

EYES: Irrigate with water for 15 minutes ensuring water bathes the eyeball. Seek medical attention immediately. INGESTION: First wash out mouth and throat frequently with water. Do not give emetics. Seek medical advice. SKIN: Wash off with copious water. Remove contaminated clothing. Seek medical advice. INHALATION: Remove to fresh atmosphere. Treat as for ingestion. SKIN: Wash off with copious amounts of water. Remove contaminated clothing. Seek medical attention.

**5. FIRE FIGHTING PROCEDURES:**

HD-400 is not flammable.

**6. ACCIDENTAL RELEASE MEASURES:**

Always prevent skin and eye contact. Hose away spillages to foul water sewer or absorb with sand/granules. For larger spillages or if water is not available, slowly cover with soil or sand. Dispose of separately via authorised waste contractor. See also Exposure Controls and Personnel Protection—Section 8.

**7. HANDLING & STORAGE:**

Ensure all information in this data sheet is read and understood before using this product. Do not allow the concentrated or dilute preparation to come into contact with eyes and skin. Wear full protective clothing, PVC overalls, gloves, face shield and rubber footwear. Use with care. Only experienced operatives should handle this product. Avoid inhalation of mist or fumes when using on stonework. Use cold only. A CoSHH assessment is necessary for this preparation. Operators must be aware of the caustic nature of the preparation. Precautions required as the caustic content of HD-400 outweigh all other ingredients.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION:**

Engineering Controls:

Ensure that both operators carrying out the stone cleaning and the general public do not come into contact with concentrated product or wash water by following the procedures (close sheeting) outlined in BS8221—Code of Practice for the Cleaning of Stone & Masonry.

Respiratory protection is not normally required as a full face visor incorporated into a plastic wet suit is adequate for stone cleaning purposes when rinsing is carried out. Hands must always be protected by PVC gauntlet type gloves ensuring no gaps between the protective suit and gloves. Wear full protective suit, rubber boots in addition to PVC and full face shield.

Distributed by:



Remmers (UK) Ltd, Remmers House,  
14 Victoria Way, Burgess Hill, West Sussex RH15 9NF  
(T) 01444 244144 (W) www.remmers.co.uk



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**9. PHYSICAL & CHEMICAL PROPERTIES:**

Appearance:	Straw coloured fluid
pH:	13.5
Boiling Point:	100 degrees Celsius
Melting Point:	Less than minus 20 degrees Celsius
Flash Point:	Non Flammable
Specific Gravity:	1.24
Solubility in H2O:	Soluble in water at all proportions
Viscosity:	10,000 centipoises at 20 degrees Celsius

**10. STABILITY & REACTIVITY:**

Product is stable at normal ambient temperatures. Always use cold. Avoid contact on the following metals: Aluminium, zinc and galvanised surfaces, lead. Also painted surfaces and polished wood need to be protected. Reacts strongly with all acids.

If the product is accidentally heated to decomposition fumes of sodium hydroxide are emitted. Short term exposure limit 10 minutes ref period—2 mg/m<sup>3</sup>.

**11. TOXICOLOGICAL INFORMATION:**

HD-400 is corrosive to skin and eyes or if swallowed due to its content of sodium hydroxide, the corrosivity of which overrides all other ingredients in the formulation. The preparation also contains minor levels of surface active detergents necessary for complete rinse off.

**12. ECOLOGICAL INFORMATION:**

HD-400 provides little ecological hazard as all organic detergents are fully biodegradable. Experience has shown that when a stone surface is washed in the manner recommended the alkali residues are not considered an ecological hazard.

Should the concentrated product be accidentally spilled into water courses, carry out procedures as detailed in previous section for general spillage and immediately inform the Local Water Authority.

**13. DISPOSAL CONSIDERATIONS:**

Small quantities should be hosed away with copious amounts of water to foul sewer. Larger quantities should be absorbed with sand, granules or soil and this solid residue disposed in an approved manner. When empty containers should be filled with water, rinsed clean and emptied to foul sewer. Containers may then be disposed via solid waste.

**14. TRANSPORT INFORMATION:**

HD-400 is classified as corrosive for conveyance.	
Transport:	UN No 1760 Corrosive liquid, Toxic NOS
Carriage:	Primary Hazard Corrosive
Packaging:	Packing Group II

**15. REGULATORY INFORMATION:**

R&S Phrases	
R35:	Causes severe burns
S26:	In case of contact with eyes, rinse immediately with plenty of water and seek medical attention
S37/39:	Wear suitable gloves and eye/face protection
S45:	In case of accident or you feel unwell seek medical attention immediately and where possible show this sheet or the product label.

Refer to use instructions for building cleaning as detailed in BS8221—Code of Practice for Cleaning of Stone & Masonry.

All relevant procedures under Health & Safety at Work Act and the Control of Substances Hazardous to Health (CoSHH) regulations must be observed.

Prior to work a complete written CoSHH assessment must be carried out so that all personnel are aware of the handling precautions and operations necessary with this preparation.

Possession of this data sheet does not constitute users own assessment of workplace risk as required by CoSHH but will form the basis of such assessment.

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**16. OTHER INFORMATION:**

**Training Advice:**

HD-400 contains corrosive alkali, full training in the use of this preparation must be given to operators to ensure they are aware of both health & safety precautions and operating procedures.

Detailed advice on building cleaning methods is provided in the IntaChem Product Data Sheet for this product and in BS8221—Code of Practice for Cleaning of Stone and Masonry. These bulletins must be read in conjunction with this safety sheet before operations start.

**Recommended Uses & Restrictions:**

Use of removal of black carbon, dirt, oils and greases from any masonry surface. HD-400 attacks paint films and can be used as a degreasant prior to use of acid base masonry cleaners. Use mainly for sandstone (not red sandstone) and brick where the full colour of masonry is retained.

**Important Notice:**

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