



Material SAFETY DATA SHEET

Don Acid Etch

1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Don Acid Etch**
Description: Acid etching solution
Manufacturer: **Ayla for Building Materials Industry & Trade**
Al-Karadeh, Arsat Al-Hindia, Baghdad
Tel.: +964 790 1488 730
www.dcp-int.com
Date Prepared: 18.06.2008
MSDS Number: DCP/11/03/20

2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition: Hydrochloric acid, water, inhibitor.

Hazardous Ingredient(s)	Symbol	Risk Phrases	CAS No.	%
Hydrochloric acid	C	R34, 36/37/38	7647-01-0	10 - 20

Refer to Section 8 for Occupational Exposure Limits.

3: HAZARDS IDENTIFICATION

Hazard Information: Causes burns.
Irritating to eyes, skin and respiratory system.
Classification: Xi. R34, 36/37/38

4: FIRST AID MEASURES

Eyes: Irrigate immediately with copious quantities of water for 15 minutes. Obtain medical attention immediately.
Skin: Wash immediately with water. Remove contaminated clothes and shoes. Obtain medical advice if irritation persists.
Inhalation: Remove from exposure, obtain medical attention if respiratory irritation develops or if breathing becomes difficult.
Ingestion: Wash mouth with plenty of water then drink plenty of water. Do not induce vomiting. Obtain medical attention.



5: FIRE FIGHTING MEASURES

Flash Point (closed cup) :	Not applicable.
Extinguishing Media:	Carbon dioxide, powder, foam or water.
Personal Protective Equipment:	Self-contained breathing apparatus. Standard aluminized suit.
Special Exposure Hazards:	Formation of toxic gases is possible during heating or in case of fire.

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear suitable protective clothing, gloves and eye/face protection. Use breathing protection against the effects of fumes/dust/aerosol.
Environmental Precautions:	Prevent entry into drains, sewers and water courses.
Decontamination Procedures:	Ensure adequate ventilation. Neutralize with diluted sodium hydroxide solution or by throwing lime sand, lime or sodium carbonate. Absorb with inert binders like sand. Gather into labeled containers. Dispose off as applicable regulations.

7: HANDLING AND STORAGE

Handling:	Maintain good standards of personal hygiene. Avoid skin and eye contact. Do not eat, drink or smoke whilst using this product. Ensure adequate ventilation. Prevent forming aerosols.
Storage:	Keep container tightly closed in a cool dry area. Keep away from food containers. Keep away from metals.

8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eye Protection:	Tightly sealed safety glasses/goggles.
Skin Protection:	Impervious gloves (Natural rubber.0.11 mm thickness). Suitable protective clothing.
Respiratory Protection:	Breathing protection against the effects of fumes/dust/aerosol.
Hygiene Measures:	Change contaminated clothing and clean before re-use. Wash hands at end of the work and before breaks.
Engineering Controls:	Use only in well ventilated area. Local exhaust ventilation is recommended.
Exposure Guidelines:	
Hydrochloric acid	OES
	Short-term value 5 mg/m ³
	Long term value 2 mg/m ³



9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	Clear
Odour:	Odourless
pH (concentrate):	0.4
Boiling Point (°C):	85
Flash Point (closed cup) (°C):	Not applicable
Relative Density (@25°C):	1.06 – 1.08
Water Solubility:	Soluble

10: STABILITY AND REACTIVITY

Stability:	Stable if used as directed.
Chemical Incompatibility:	Strong alkalis, metals, aluminum.
Hazardous Decomposition Products:	Hydrogen chloride.

11: TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on knowledge of the toxicity of the product's components.
Expected inhalative LC50, rat > 3120 ppm/kg.
Classified as skin sensitizer.

Health Effects

On Eyes:	Irritant effect.
On Skin:	Irritant to skin and mucous membranes.
Sensitization	No sensitizing effect known.
Chronic:	Repeated and prolonged skin contact will result in severe irritation leading to burns.

12: ECOLOGICAL INFORMATION

Environmental Assessment:	When used and disposed as intended, no adverse environmental effects are foreseen. Slightly hazardous for water.
Mobility:	Mobile liquid. Soluble in water.
Acute Fish Toxicity:	Toxic to fish.



13: DISPOSAL CONSIDERATION

Disposal must be in accordance with local and national legislation.

Unused Product: Classified as a special waste. May be reacted with base component to give an inert polymeric material.

Used/ Contaminated Product: Classified as a special waste. Dispose off through an authorized waste contractor to a licensed site.

Packaging: Must be disposed off through an authorized waste contractor.

14: TRANSPORT INFORMATION



UN Number: 1789

Transport Name: Hydrochloric acid solution

Transport Type:		Class:	Pack Group:	Marine Pollutant
At Sea	IMO	8	III	No
Air Transport	IATA/ICAO	8	III	
At land	RID/ADR	8	III	

15: REGULATORY INFORMATION

Hazard Label Data:

C



Corrosive

Named Ingredients:

Hydrochloric acid solution

UN Number:

1789

Risk Phrases:

R34 Causes burns.
R36/37/38 Irritating to eyes, skin and respiratory system.

Safety Phrases:

S20 When using do not eat or drink.
S23 Do not breathe vapour.
S25 Avoid contact with eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S60 This material and its container must be disposed of as hazardous waste.

16: OTHER INFORMATION

Issue Date:

18/06/2008

Revised Date:

Disclaimer:

The information contained herein is derived from the best available sources and is believed to be accurate. However, no guarantee is expressed or implied regarding the accuracy of the data given in the use of this product.