



SAFETY DATA SHEET

Barclay Clinch

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME	Barclay Clinch		
SUPPLIER	Barclay Chemicals Manufacturing Ltd, Damastown Way Damastown Industrial Estate Mulhuddart Dublin 15 Ireland Tel: 00-353-1-8112900 Tel: 00-353-863857769 (Emergency) Fax: 00-353-1-8224678 email: info@barclay.ie	MANUFACTURER	Barclay Chemicals Manufacturing Ltd Damastown Way Damastown Industrial Estate Mulhuddart Dublin 15 Ireland Tel: 00-353-1-8112900 Fax: 00-353-8224678 email: info@barclay.ie

2 HAZARDS IDENTIFICATION

Harmful by inhalation and if swallowed. Irritating to skin. Limited evidence of a carcinogenic effect. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful: may cause lung damage if swallowed.
 CLASSIFICATION (1999/45) Xn;R20/22, R65. Carc. Cat. 3;R40. Xi;R38. N;R50/53.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
1,2,4-TRIMETHYLBENZENE	202-436-9	95-63-6	1-5%	R10 Xn;R20 Xi;R36/37/38 N;R51/53
Alkylbenzene sulphonate, calcium	247-557-8	26264-06-2	1-5%	Xi;R38,R41.
CHLORPYRIFOS (ISO)	220-864-4	2921-88-2	30-60%	T;R25 N;R50/53
MESITYLENE	203-604-4	108-67-8	1-5%	R10 Xi;R37 N;R51/53
Solvent naphtha (petroleum), heavy aromatic	265-198-5	64742-94-5	30-60%	Xn;R65. N;R51/53. R66,R67.

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

INHALATION

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

INGESTION

Immediately rinse mouth and drink plenty of water (200-300 ml). DO NOT induce vomiting. Get medical attention immediately. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS!

SKIN CONTACT

Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention immediately. Continue to rinse.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Extinguish with foam, carbon dioxide, dry powder or water fog. Do not use water jet as an extinguisher, as this will spread the fire.

SPECIAL FIRE FIGHTING PROCEDURES

Avoid breathing fire vapours. Keep up-wind to avoid fumes. Keep run-off water out of sewers and water sources. Dike for water control.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

Barclay Clinch

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENTAL PRECAUTIONS

Do not allow to enter drains, sewers or watercourses. 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.

SPILL CLEAN UP METHODS

Absorb in vermiculite, dry sand or earth and place into containers. Remove sources of ignition. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Read and follow manufacturer's recommendations. Do not eat, drink or smoke when using the product. Avoid inhalation of vapours/spray and contact with skin and eyes. Provide good ventilation. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site.

STORAGE PRECAUTIONS

Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs. Store in tightly closed original container in a dry and cool place. Protect from freezing and direct sunlight.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
CHLORPYRIFOS (ISO)	WEL		0.2 mg/m3(Sk)		0.6 mg/m3(Sk)	

WEL = Workplace Exposure Limit.

PROTECTIVE EQUIPMENT



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.

HAND PROTECTION

Wear protective gloves. Be aware that the liquid may penetrate the gloves. Frequent change is advisable.

EYE PROTECTION

Wear goggles/face shield.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

HYGIENE MEASURES

When using do not eat, drink or smoke. Wash hands after handling.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
COLOUR	Yellow to Light brown		
ODOUR	Aromatic.		
SOLUBILITY	Emulsifiable in water		
RELATIVE DENSITY	1.083g/ml	pH-VALUE, DILUTED SOLUTION	5.9 1% in Water
FLASH POINT (°C)	70 degrees Celcius P/M Pensky-Martens.	AUTO IGNITION TEMPERATURE (°C)	460

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

Barclay Clinch

CONDITIONS TO AVOID

Avoid exposure to high temperatures or direct sunlight. Avoid frost.

MATERIALS TO AVOID

Strong alkalis. Strong oxidising substances.

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 205 mg/kg (oral rat)
 TOXIC DOSE 2 - LD 50 >4, 000mg/kg (dermal rat)
 TOXIC CONC. - LC 50 2.16 mg/l/4h (inh-rat)

INHALATION

Harmful by inhalation.

INGESTION

Harmful: may cause lung damage if swallowed.

SKIN CONTACT

Irritating to skin. Not a skin sensitiser.

EYE CONTACT

May cause temporary eye irritation.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

The product contains a substance which is very toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

LC 50, 96 Hrs, FISH mg/l 0.048
 EC 50, 48 Hrs, DAPHNIA, mg/l 0.0026
 IC 50, 72 Hrs, ALGAE, mg/l 0.14

MOBILITY

Not considered mobile.

ACUTE FISH TOXICITY

Very toxic to aquatic organisms.

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION



UK ROAD CLASS	6.1		
PROPER SHIPPING NAME	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC (CHLORPYRIFOS (ISO), Solvent naphtha (petroleum), heavy aromatic)		
UN NO. ROAD	3018	UK ROAD PACK GR.	III
ADR CLASS NO.	6.1	ADR CLASS	Class 6.1:Toxic substances.
ADR PACK GROUP	III	TUNNEL RESTRICTION CODE	(C/E)
HAZARD No. (ADR)	66	ADR LABEL NO.	6.1
HAZCHEM CODE	2X	CEFIC TEC(R) NO.	61GT6-I
RID CLASS NO.	6.1	RID PACK GROUP	III
UN NO. SEA	3018	IMDG CLASS	6.1
IMDG PACK GR.	III	EMS	F-A, S-A
UN NO. AIR	3018	AIR CLASS	6.1
AIR PACK GR.	III		

15 REGULATORY INFORMATION

LABELLING



Harmful



Dangerous for the environment

CONTAINS

CHLORPYRIFOS (ISO)
Solvent naphtha (petroleum), heavy aromatic

RISK PHRASES

R20/22	Harmful by inhalation and if swallowed.
R38	Irritating to skin.
R40	Limited evidence of a carcinogenic effect.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.

SAFETY PHRASES

S24	Avoid contact with skin.
S36/37	Wear suitable protective clothing and gloves.
S46	If swallowed, seek medical advice immediately and show this container or label.
S60	This material and its container must be disposed of as hazardous waste.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.

EU DIRECTIVES

Dangerous Preparations Directive 1999/45/EC.

16 OTHER INFORMATION

REVISION DATE 01 Oct 2010

RISK PHRASES IN FULL

R10	Flammable.
R20	Harmful by inhalation.
R65	Harmful: may cause lung damage if swallowed.
R36/37/38	Irritating to eyes, respiratory system and skin.
R37	Irritating to respiratory system.
R38	Irritating to skin.
R66	Repeated exposure may cause skin dryness or cracking.
R41	Risk of serious damage to eyes.
R25	Toxic if swallowed.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67	Vapours may cause drowsiness and dizziness.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.