

SAFETY DATA SHEET

Barclay Hurler

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

PRODUCT NAME	Barclay Hurler		
APPLICATION	Agricultural Herbicide		
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 Tel: 00-353-863857769 (Emergency) Fax: 00-353-1-8224678 email: info@barclay.ie

2 HAZARDS IDENTIFICATION

Flammable. Irritating to respiratory system and skin. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful: may cause lung damage if swallowed. Vapours may cause drowsiness and dizziness.

CLASSIFICATION Xn;R65. Xi;R37/38. R43. N;R51/53. R10, R67.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
BUTANOL-norm	200-751-6	71-36-3	< 1%	R10 Xn;R22 Xi;R37/38,R41 R67
Fluroxypyr meptyl	279-752-9	81406-37-3	10-30%	N;R50/53
Organic Sulphonate			1-5%	Xi;R38,R41.
Solvent naphtha (petroleum), light aromatic	265-199-0	64742-95-6	60-100%	Xn;R65. Xi;R37. N;R51/53. R10,R66,R67.

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

4 FIRST-AID MEASURES

GENERAL INFORMATION

Do not induce vomiting if patient is unconscious or is having convulsions

NOTES TO THE PHYSICIAN

For specialist advice, contact the nearest poisons information centre

INHALATION

Move injured person to fresh air and seek medical advice

INGESTION

DO NOT induce vomiting. Get medical attention immediately. Show label instructions or data sheet to doctor

SKIN CONTACT

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.

EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

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

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SPECIAL FIRE FIGHTING PROCEDURES

Cool tank/container with water spray. Contain fire-fighting water, bunding if necessary with sand or earth.

SPECIFIC HAZARDS

Toxic / Irritating fumes may be evolved on heating.

PROTECTIVE MEASURES IN FIRE

Use air-supplied respirator, gloves and protective goggles.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear full breathing apparatus, chemical resistant rubber gloves, coated overall, PVC or rubber wellingtons and goggles. Eliminate all sources of ignition.

ENVIRONMENTAL PRECAUTIONS

Contain spillage as the situation allows. Do not flush with water. Particular care should be taken to prevent contamination of water (ditches, drains, ponds etc.).

SPILL CLEAN UP METHODS

Absorb with pumice, vermiculite, sand or earth. Collect contaminated material and surrounding soil and place in covered, labelled containers (not galvanised or unlined steel) for disposal. Advise local authority if spillage enters drains or Environmental Protection Agency if spillage enters surface or ground waters.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Wear suitable protective clothing, gloves and eye/face protection. Do not eat, drink or smoke when using the product. Wash hands and exposed skin before meals and after work. Wash all concentrate from skin or eyes immediately. Avoid inhalation of vapours/spray and contact with skin and eyes.

STORAGE PRECAUTIONS

Store in the original container, tightly closed and in a safe place. Store in a designated chemical store. Keep away from food, drink and animal feeding stuffs. Keep out of the reach of children. Protect from frost.

STORAGE CLASS

Flammable liquid storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
BUTANOL-norm	WEL			50 ppm(Sk)	154 mg/m3(Sk)	

WEL = Workplace Exposure Limit.

PROTECTIVE EQUIPMENT



RESPIRATORY EQUIPMENT

Use an approved positive pressure self-contained breathing apparatus in emergency conditions. Use an approved air-purifying respirator when airborne exposure guidelines/ comfort levels may be exceeded.

HAND PROTECTION

PVC or other plastic material gloves should be used when dealing with the concentrate or spray.

EYE PROTECTION

Wear goggles/face shield.

HYGIENE MEASURES

When using do not eat, drink or smoke. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash contaminated clothing before reuse.

SKIN PROTECTION

Protection suit must be worn.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Clear liquid

COLOUR

Amber

Barclay Hurler

ODOUR	Solvent.		
SOLUBILITY	Emulsifiable in water		
VISCOSITY	2.88 mPas 20 Degrees Celsius	FLASH POINT (°C)	47 Degrees Celsius PM Closed cup.

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal storage conditions

CONDITIONS TO AVOID

Avoid exposure to high temperatures or direct sunlight. Avoid heat, flames and other sources of ignition.

MATERIALS TO AVOID

Strong acids. Strong alkalis. Strong oxidising substances.

HAZARDOUS DECOMPOSITION PRODUCTS

None under normal conditions.

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 >2000 mg/kg (oral rat)

INGESTION

Harmful: may cause lung damage if swallowed.

SKIN CONTACT

Irritating to skin. May cause sensitisation by skin contact.

EYE CONTACT

Irritating to eyes.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Contamination of groundwater is unlikely as there is evidence of significant leaching.

LC 50, 96 Hrs, FISH mg/l 10mg/L < LC50 < 100mg/L

EC 50, 48 Hrs, DAPHNIA, mg/l 1mg/L < EC50 < 10mg/L

IC 50, 72 Hrs, ALGAE, mg/l 1mg/L < IC50 < 10mg/L

BIOACCUMULATION

The half life in soils is about 14-56 days, depending on type of soils and conditions.

DEGRADABILITY

Hydrolysed to the parent acid (Fluroxypyr) . Degradability is microbial and will readily occur.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Bury in approved landfill, or via an approved disposal contractor.

14 TRANSPORT INFORMATION



UK ROAD CLASS	3		
PROPER SHIPPING NAME	FLAMMABLE LIQUID, N.O.S. (Solvent naphtha (petroleum), light aromatic)		
UN NO. ROAD	1993	UK ROAD PACK GR.	III
ADR CLASS NO.	3	ADR CLASS	Class 3: Flammable liquids.
ADR PACK GROUP	III	TUNNEL RESTRICTION CODE	(D/E)
HAZARD No. (ADR)	30	ADR LABEL NO.	3

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HAZCHEM CODE	•3YE	CEFIC TEC(R) NO.	30GF1-III, 30GF1-sp
RID CLASS NO.	3	RID PACK GROUP	III
UN NO. SEA	1993	IMDG CLASS	3
IMDG PACK GR.	III	EMS	F-E, S-E
UN NO. AIR	1993	AIR CLASS	3
AIR PACK GR.	III		

15 REGULATORY INFORMATION

LABELLING



Harmful



Dangerous for the environment

CONTAINS

Solvent naphtha (petroleum), light aromatic

RISK PHRASES

R10	Flammable.
R37/38	Irritating to respiratory system and skin.
R43	May cause sensitisation by skin contact.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R67	Vapours may cause drowsiness and dizziness.

SAFETY PHRASES

S2	Keep out of the reach of children
S13	Keep away from food, drink and animal feeding stuffs.
S23	Do not breathe vapour/spray.
S24	Avoid contact with skin.
S37	Wear suitable gloves.
S62	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
S57	Use appropriate containment to avoid environmental contamination.
S35	This material and its container must be disposed of in a safe way.

16 OTHER INFORMATION

REVISION COMMENTS

Revision 1- S-Phrases Updated to comply with Product Label

DATE 18 November 2009

RISK PHRASES IN FULL

R10	Flammable.
R22	Harmful if swallowed.
R37	Irritating to respiratory system.
R37/38	Irritating to respiratory system and skin.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

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.