



### IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL FUNGICIDE

Crops:	Winter and spring wheat, barley and rye
Maximum individual dose:	1.5 litres product per hectare
Maximum total dose:	3 litres of product per hectare
Latest time of application:	Winter and spring wheat and rye: before caryopsis watery ripe stage
	Winter and spring barley: up to and including ear emergence complete

**READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS**

PROTECT FROM FROST  
SHAKE WELL BEFORE USE

### Cereals

Yellow rust and brown rust	Winter and spring wheat, barley and rye
Powdery mildew	Winter and spring wheat, barley and rye
Leaf blotch ( <i>Rhynchosporium</i> )	Winter and spring barley

### CROP SPECIFIC INFORMATION

Maximum individual dose:	1.5 litres of product per hectare.
Maximum total dose per crop:	3.0 litres per hectare

### Water Volume

Most crops	200 litres/hectare
Dense crops after the first node is detectable:	250 litres/hectare
Large crops, varieties highly susceptible to disease:	300 litres/hectare

A pressure of 2-3 bar (30-40 psi) is recommended.

Apply as a **MEDIUM** quality spray (as defined by BCPC).

Boom height should be adjusted to ensure good coverage of the crop, particularly at later growth stages. The correct height is one at which the spray from alternate nozzles meets just above the crop. In dense crops at later growth stages, higher water volumes should be used as recommended.

### TIMINGS OF APPLICATION

For best disease control and yield benefits, Torch should be applied at an early stage of disease development, before infection spreads to new crop growth.

Torch may be applied at any stage as follows:

Wheat, rye - before caryopsis watery ripe stage;  
Barley - up to and including ear emergence complete.

### Powdery Mildew

**(Winter & spring wheat, barley and rye)**

Apply Torch at first signs of disease.

Where disease pressure remains high application may be repeated if necessary.

### Yellow Rust and Brown Rust

**(Winter & spring wheat, barley and rye)**

Torch applied at first signs of disease will control yellow rust and give moderate control of brown rust. Applications to established infections will be less effective.

A second application may be made 2-3 weeks later if reinfection occurs.

### *Rhynchosporium*

**(Winter & spring barley)**

Reduction of *Rhynchosporium* can be achieved by an application of Torch when first signs of the disease become visible in spring.

A second application may be made 2-3 weeks later if reinfection occurs.

### MIXING

Thoroughly shake the pack before use.

Add the required quantity of Torch to the half-filled spray tank with the agitation system in operation and then fill to the required level. Continue agitation at all times during spraying and stoppages until the tank is completely empty. Spray immediately after mixing.

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### Section 6 of the Health and Safety at Work Act

Additional Product Safety Information (This section does not form part of the approved product label). The product label provides information on a specific pesticidal use of the product; do not use otherwise, unless you have assessed any potential hazard involved, the safety measures required and that the particular use has "off-label" approval or is otherwise permitted. The information on this label is based on the best available information including data from test results.

## SAFETY DATA SHEET

 according to Regulation (EC) No. 1907/2006

### TORCH

Version 4 / GB Revision Date: 20.05.2014 102000007145

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

#### 1.1 Product identifier

Trade name	TORCH
Product code (UVP)	04871804

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Use	Fungicide
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#### 1.3 Details of the supplier of the safety data sheet

Supplier	Bayer CropScience Limited 230 Cambridge Science Park Milton Road, Cambridge, Cambridgeshire CB4 0WB +44(0)1223 226500 +44(0)1223 426240 Email: <a href="mailto:ukinfo@bayercropscience.com">ukinfo@bayercropscience.com</a>
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#### Telephone

#### Telefax

#### Responsible Department

#### 1.4 Emergency telephone no.

Emergency telephone no.	0800-220876 (UK 24 hr) +44(0)1635-563000 (Overseas 24 hr)
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### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.

Acute aquatic toxicity: Category 4

## DIRECTIONS FOR USE

IMPORTANT: This information is approved as part of the Product Label. All instructions within this section must be read carefully in order to obtain safe and successful use of this product.

Torch is recommended for control of a range of diseases on winter and spring sown crops of wheat, barley and rye.

### DISEASES CONTROLLED

The possible development of diseases resistant to Torch cannot be excluded or predicted. Where such resistant strains occur, Torch is unlikely to give satisfactory control.

Repeated application of Torch alone should not be used on the same crop against a high-risk pathogen such as cereal powdery mildew. Tank-mixtures or alternation with fungicides having a different mode of action have been shown to delay the development of resistance. Spiroxamine, fenpropidin and fenpropimorph share a similar mode of action.



Scan the code to download the latest Safety Data Sheet.

Alternatively visit:  
[www.bayercropscience.co.uk/documentstore](http://www.bayercropscience.co.uk/documentstore)

GB80939221b rA4

Bayer CropScience Limited  
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Milton Road, Cambridge CB4 0WB  
Telephone: 01223 226500

Bayer

H302 Harmful if swallowed.  
 Acute toxicity: Category 4  
 H332 Harmful if inhaled.  
 Skin irritation: Category 2  
 H315 Causes skin irritation.  
 Serious eye damage: Category 1  
 H318 Causes serious eye damage.  
 Reproductive toxicity: Category 1B  
 H360D May damage the unborn child.  
 Acute aquatic toxicity: Category 1  
 H400 Very toxic to aquatic life.  
 Chronic aquatic toxicity: Category 1  
 H410 Very toxic to aquatic life with long lasting effects.

**Classification according to EU Directives 67/548/EEC or 1999/45/EC**

Repr.Cat.2, R61  
 Xn Harmful, R20/22  
 Xi Irritant, R38  
 Xi Irritant, R41  
 N Dangerous for the environment, R50/53

**2.2 Label elements**

Labelling in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.

Hazard label for supply/use required.

**Hazardous components which must be listed on the label:**

- Spiroxamine
- N-Methyl-2-pyrrolidone



**Signal word:** Danger

**Hazard statements**

H302 Harmful if swallowed.  
 H315 Causes skin irritation.  
 H318 Causes serious eye damage.  
 H332 Harmful if inhaled.  
 H360D May damage the unborn child.  
 H410 Very toxic to aquatic life with long lasting effects.  
 EUH401 To avoid risks to human health and the environment, comply with the instructions for use.  
 EUH208 Contains Spiroxamine. May produce an allergic reaction.

**Precautionary statements**

P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P305 + P351 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact + P338 lenses, if present and easy to do. Continue rinsing.  
 P308 + P311 IF exposed or concerned: Call a POISON CENTER/doctor/physician.  
 P501 Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as nonhazardous waste.

**2.3 Other hazards:** No other hazards known.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.2 Mixtures**

**Chemical nature**

Emulsifiable concentrate (EC). Spiroxamine 500 g/l.

**Hazardous components**

R-phrases according to EC directive 67/548/EEC  
 Hazard statements according to Regulation (EC) No. 1907/2006

Name	CAS-No. / EC-No.	Classification		Conc. [%]
		EC Directive 67/548/EEC	Regulation (EC) No 1272/2008	
Spiroxamine	118134-30-8	Xn; R20/21/22 Xi; R38 R43 N; R50/53	Acute Tox. 4, H332 Acute Tox. 4, H312 Acute Tox. 4, H302 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	50.00
Benzyl alcohol	100-51-6 202-859-9	Xn; R20/22	Acute Tox. 4, H332 Acute Tox. 4, H302 Eye Irrit. 2, H319	> 1.00 - <= 25.00
Dodecylbenzene sulphionate, MEA salt	26836-07-7 248-024-2	Xn; R22 Xi; R38, R41	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318	> 1.00 - < 20.00
Arylethylphenylpoly glycol ether		R52/53	Aquatic Chronic 3, H412	> 1.00 - < 25.00
N-Methyl-2-pyrrolidone	872-50-4 212-828-1	Repr.Cat.2 R61 Xi; R36/37/38	Repr. 1B, H360D Eye Irrit. 2, H319 STOT SE 3, H335 Skin Irrit. 2, H315	> 0.10 - < 10.00

**Further information**

Spiroxamine	118134-30-8	M-Factor: 10 (acute)
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For the full text of the R-phrases/ Hazard statements mentioned in this Section, see Section 16

**SECTION 4: FIRST AID MEASURES**

**4.1 Description of first aid measures**

**General advice:** Move out of dangerous area. Place and transport victim in stable position (lying sideways). Remove contaminated clothing immediately and dispose of safely.

**Inhalation:** Move to fresh air. Keep patient warm and at rest. Call a physician or poison control center immediately.

**Skin contact:** Wash off thoroughly with plenty of soap and water, if available with polyethyleneglycol 400, subsequently rinse with water. If symptoms persist, call a physician.

**Eye contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a physician or poison control center immediately.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Call a physician or poison control center immediately.

**4.2 Most important symptoms and effects, both acute and delayed**

**Symptoms:** No symptoms known or expected.

**4.3 Indication of any immediate medical attention and special treatment needed**

**Treatment**

Treat symptomatically. In case of ingestion gastric lavage should be considered in cases of

significant ingestions only within the first 2 hours. However, the application of activated charcoal and sodium sulphate is always advisable

**SECTION 5: FIREFIGHTING MEASURES**

**5.1 Extinguishing media**

**Suitable** Water spray, Carbon dioxide (CO<sub>2</sub>), Foam, Sand

**5.2 Special hazards arising from the substance or mixture**

In the event of fire the following may be released:; Hydrogen cyanide (hydrocyanic acid), Carbon monoxide (CO), Nitrogen oxides (NO<sub>x</sub>)

**5.3 Advice for firefighters**

**Special protective equipment for fire-fighters**

In the event of fire and/or explosion do not breathe fumes. In the event of fire, wear self-contained breathing apparatus.

**Further information**

Contain the spread of the fire-fighting media. Do not allow run-off from fire fighting to enter drains or water courses.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1 Personal precautions, protective equipment and emergency procedures**

**Precautions:** Avoid contact with spilled product or contaminated surfaces. Use personal protective equipment.

**6.2 Environmental precautions**

Do not allow to get into surface water, drains and ground water. If spillage enters drains leading to sewage works inform local water company immediately. If spillage enters rivers or watercourses, inform the Environment Agency (emergency telephone number 0800 807060).

**6.3 Methods and materials for containment and cleaning up**

**Methods for cleaning up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Clean contaminated floors and objects thoroughly, observing environmental regulations. Keep in suitable, closed containers for disposal.

**6.4 Reference to other sections:**

Information regarding safe handling, see section 7.

Information regarding personal protective equipment, see section 8.

Information regarding waste disposal, see section 13.

**SECTION 7: HANDLING AND STORAGE**

**7.1 Precautions for safe handling**

**Advice on safe handling**

No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice. Ensure adequate ventilation.

**Hygiene measures**

Avoid contact with skin, eyes and clothing. Keep working clothes separately. Wash hands immediately after work, if necessary take a shower. Remove soiled clothing immediately and clean thoroughly before using again. Garments that cannot be cleaned must be destroyed (burnt).

**7.2 Conditions for safe storage, including any incompatibilities**

**Requirements for storage areas and containers**

Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.

Store in a place accessible by authorized persons only.

**Advice on common storage**

Keep away from food, drink and animal feedingstuffs.

**Suitable materials**

HDPE (high density polyethylene)

7.3 *Specific end uses*: Refer to the label and/or leaflet.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Components	CAS-No.	Control parameters	Update	Basis
Spiroxamine	118134-30-8	0.57 mg/m <sup>3</sup> (TWA)		OES BCS*
N-Methyl-2-pyrrolidone	872-50-4	19 ppm (TWA)		OES BCS*
N-Methyl-2-pyrrolidone	872-50-4	103 mg/m <sup>3</sup> / 25 ppm (TWA)	12 2011	EH40 WEL
N-Methyl-2-pyrrolidone	872-50-4	309 mg/m <sup>3</sup> / 75 ppm (STEL)	12 2011	EH40 WEL
N-Methyl-2-pyrrolidone	872-50-4	40 mg/m <sup>3</sup> / 10 ppm (TWA)	12 2011	EH40 WEL
N-Methyl-2-pyrrolidone	872-50-4	80 mg/m <sup>3</sup> / 20 ppm (STEL)	12 2011	EH40 WEL
N-Methyl-2-pyrrolidone	872-50-4	80 mg/m <sup>3</sup> / 20 ppm (STEL)	12 2009	EU ELV
N-Methyl-2-pyrrolidone	872-50-4	40 mg/m <sup>3</sup> / 10 ppm (TWA)	12 2009	EU ELV

\*OES BCS: Internal Bayer CropScience "Occupational Exposure Standard"

### 8.2 Exposure controls

Refer to COSHH assessment (Control of Substances Hazardous to Health (Amendment) Regulations 2004). Engineering controls should be used in preference to personal protective equipment wherever practicable. Refer also to COSHH Essentials.

#### Personal protective equipment

In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

#### Respiratory protection

Wear respirator with an organic vapours and gas filter mask (protection factor 10) conforming to EN140 type A or equivalent. Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract ventilation. Always follow respirator manufacturer's instructions regarding wearing and maintenance.

#### Hand protection

Wear CE Marked (or equivalent) nitrile rubber gloves (minimum thickness of 0,4 mm). Wash when contaminated and dispose of when contaminated inside, when perforated or when contamination on the outside cannot be removed. Wash hands frequently and always before eating, drinking, smoking or using the toilet.

#### Eye protection

Wear goggles (conforming to EN166, Field of Use = 5 or equivalent).

#### Skin and body protection

Wear standard coveralls and Category 3 Type 6 suit. Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently. If chemical protection suit is splashed,

sprayed or significantly contaminated, decontaminate as far as possible, then carefully remove and dispose of as advised by manufacturer.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

<b>Form</b>	Liquid, clear to slightly turbid
<b>Colour</b>	yellow to brown
<b>Odour</b>	aromatic
<b>pH</b>	ca. 9.3 at 1 % (23 °C) (deionized water)
<b>Flash point</b>	109 °C
<b>Ignition temperature</b>	265 °C
<b>Density</b>	ca. 1.00 g/cm <sup>3</sup> at 20 °C
<b>Water solubility</b>	emulsifiable
<b>Partition coefficient: n-octanol/ water</b>	Spiroxamine: log Pow: 2.8 - 3.0 at 20 °C at pH 7
<b>Viscosity, dynamic</b>	ca. 53 mPa.s at 20 °C
<b>Surface tension</b>	30 mN/m
<b>Explosivity</b>	Not explosive
<b>9.2 Other information</b>	Further safety related physical-chemical data are not known

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

**Thermal decomposition** Stable under normal conditions.

**10.2 Chemical stability** Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions** No hazardous reactions when stored and handled according to prescribed instructions. Stable under recommended storage conditions. Extremes of temperature and direct sunlight. Store only in the original container.

### 10.4 Conditions to avoid

### 10.5 Incompatible materials

### 10.6 Hazardous decomposition products

No decomposition products expected under normal conditions of use.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

<b>Acute oral toxicity</b>	LD50 (rat) > 200 - < 1,000 mg/kg
<b>Acute inhalation toxicity</b>	LC50 (rat) 2,323 mg/l Exposure time: 4 h Determined in the form of a respirable aerosol.
<b>Acute dermal toxicity</b>	LD50 (rat) >= 2,000 mg/kg
<b>Skin irritation</b>	Irritating to skin. (rabbit)
<b>Eye irritation</b>	Severe eye irritation. (rabbit)
<b>Sensitisation</b>	Non-sensitizing. (guinea pig) OECD Test Guideline 406, Buehler test

### Assessment repeated dose toxicity

Spiroxamine did not cause specific target organ toxicity in experimental animal studies.

### Assessment Mutagenicity

Spiroxamine was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.

### Assessment Carcinogenicity

Spiroxamine was not carcinogenic in lifetime feeding studies in rats and mice.

### Assessment toxicity to reproduction

Spiroxamine caused reproduction toxicity in a two-generation study in rats only at dose levels also toxic to the parent animals. The reproduction toxicity seen with Spiroxamine is related to parental toxicity.

### Assessment developmental toxicity

Spiroxamine caused developmental toxicity only at dose levels toxic to the dams. The developmental effects seen with Spiroxamine are related to maternal toxicity.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

<b>Toxicity to fish</b>	LC50 (Rainbow trout (Oncorhynchus mykiss)) 11.5 mg/l Exposure time: 96 h
<b>Toxicity to aquatic invertebrates</b>	EC50 (Water flea (Daphnia magna)) 10.3 mg/l Exposure time: 48 h
<b>Toxicity to aquatic plants</b>	IC50 (Desmodesmus subspicatus) 0.029 mg/l Growth rate; Exposure time: 72 h

### 12.2 Persistence and degradability

<b>Biodegradability</b>	Spiroxamine: not rapidly biodegradable
<b>Koc</b>	Spiroxamine: Koc: 2415

### 12.3 Bioaccumulative potential

<b>Bioaccumulation</b>	Spiroxamine: Bioconcentration factor (BCF) 87 Does not bioaccumulate.
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### 12.4 Mobility in soil

**Mobility in soil** Spiroxamine: Slightly mobile in soils

### 12.5 Results of PBT and vPvB assessment

**PBT and vPvB assessment** Spiroxamine: This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB).

### 12.6 Other adverse effects

**Additional ecological information** No other effects to be mentioned.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

<b>Product</b>	In accordance with current regulations and, if necessary, after consultation with the site operator and/or with the responsible authority, the product may be taken to a waste disposal site or incineration plant. Advice may be obtained from the local waste regulation authority (part of the Environment Agency in the UK).
<b>Contaminated packaging</b>	Small containers (< 10 l or < 10 kg) should be rinsed thoroughly using an integrated pressure rinsing device, or, by manually rinsing threetimes. Add washings to sprayer at time of filling. Dispose of empty and cleaned packaging safely. Large containers (> 25 l or > 25 kg) should not be rinsed or re-used for any other purpose. Return large containers to supplier. Follow advice on product label and/or leaflet.
<b>Waste key for the unused product</b>	<b>020108</b> agrochemical waste containing dangerous substances

## SECTION 14: TRANSPORT INFORMATION

### ADR/RID/ADN

14.1 UN number	<b>3082</b>
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (SPIROXAMINE, BENZYLALCOHOL SOLUTION)
14.3 Transport hazard class(es)	9
14.4 Packing group	III
14.5 Environm. Hazardous Mark	YES
Hazard no.	90
Tunnel Code	E

This classification is in principle not valid for carriage by tank vessel on inland waterways. Please refer to the manufacturer for further information.

#### IMDG

14.1 UN number	<b>3082</b>
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (SPIROXAMINE, BENZYLALCOHOL SOLUTION)
14.3 Transport hazard class(es)	9
14.4 Packing group	III
14.5 Marine pollutant	YES

#### IATA

14.1 UN number	<b>3082</b>
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,cN.O.S. (SPIROXAMINE, BENZYLALCOHOL SOLUTION )
14.3 Transport hazard class(es)	9
14.4 Packing group	III
14.5 Environm. Hazardous Mark	YES

#### UK 'Carriage' Regulations

14.1 UN number	<b>3082</b>
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (SPIROXAMINE, BENZYLALCOHOL SOLUTION)
14.3 Transport hazard class(es)	9
14.4 Packing group	III
14.5 Environm. Hazardous Mark	YES
Emergency action code	3Z

#### 14.6 Special precautions for user

See sections 6 to 8 of this Safety Data Sheet.

#### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No transport in bulk according to the IBC Code.

#### SECTION 15: REGULATORY INFORMATION

##### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

##### UK and Northern Ireland Regulatory References

This material may be subject to some or all of the following regulations (and any subsequent amendments). Users must ensure that any uses and restrictions as indicated on the label and/or leaflet are followed.

##### Transport

Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No 1348)

Merchant Shipping (Dangerous Goods and Marine Pollutants) Regulations 1997 (SI 1997 No 2367)

Air Navigation Dangerous Goods Regulations 2002 (SI 2002 No 2786)

##### Supply and Use

Chemical (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No 716)

Chemical (Hazard Information and Packaging for Supply) (Northern Ireland) Regulations 2009

Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No 2677)

EH40 Occupational Exposure Limits - Table 1 List of approved workplace exposure limits

Control of Pesticide Regulations 1986

Dangerous Substances and Explosive Atmospheres Regulations 2002

#### Waste Treatment

Environmental Protection Act 1990, Part II

Environmental Protection (Duty of Care) Regulations 1991

The Waste Management Licensing Regulations 1994 (as amended)

Hazardous Waste Regulations 2005 (Replacing Special Waste Regulations 1996 as amended)

Landfill Directive

Regulation on Substances That Deplete the Ozone Layer 1994 (EEC/3093/94)

Water Resources Act 1991

Anti-Pollution Works Regulations 1999

#### Further information

WHO-classification: II (Moderately hazardous)

#### 15.2 Chemical Safety Assessment

A chemical safety assessment is not required

#### SECTION 16: OTHER INFORMATION

##### Text of R-phrases mentioned in Section 3

R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R20/22	Harmful by inhalation and if swallowed.
R22	Harmful if swallowed.
R36/37/38	Irritating to eyes, respiratory system and skin.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R43	May cause sensitisation by skin contact.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R61	May cause harm to the unborn child.
<b>Text of the hazard statements mentioned in Section 3</b>	
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H360D	May damage the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

The above information is intended to give general health and safety guidance on the storage and transport of the product. It is not intended to apply to the use of the product for which purposes the product label and any appropriate technical usage literature available should be consulted and any relevant licenses, consents or approvals complied with.

The requirements or recommendations of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given.

The information provided in this safety data sheet is accurate at the date of publication and will be updated as and when appropriate.

No liability will be accepted for any injury, loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.

**Reason for Revision:** Section 12. Ecological information. Safety Data Sheet according to Regulation (EU) No. 453/2010.

This version replaces all previous versions.

The logo for Torch, featuring the word "Torch" in a white, bold, sans-serif font with a registered trademark symbol (®) to the upper right. The text is centered within a dark green rectangular background, which is topped by a thin, lighter green horizontal bar.

# Torch<sup>®</sup>

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**Bayer**