

# NON-IONIC WETTER

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

<b>Chemical name</b>	Ethylene oxide condensate.
<b>Supplier</b>	Interagro (UK) Ltd Sworders Barn Sworders Yard North Street Bishops Stortford Hertfordshire CM23 2LD
<b>Emergency telephone</b>	01279 501995 (during office hours) 020 8950 8854 (after office hours)

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

**Product Description** Non-Ionic Wetter is an agricultural and horticultural wetting and spreading agent containing 900 g/l ethylene oxide condensate.

INGREDIENT DANGER	CONCENTRATION (% by weight)	HAZARD	SYMBOL(S)
Ethylene oxide condensate.	85-95	Irritating to eyes Irritating to skin	Xi
Isobutanol.	5-10	Flammable	F

## 3. HAZARDS IDENTIFICATION

<b>Flammable</b>	
<b>Eye contact</b>	Liquid splashed into the eye may cause discomfort with some redness of the conjunctiva.
<b>Skin contact</b>	May cause slight irritation with itching and local redness.
<b>Environment</b>	Harmful to fish or other aquatic life

## 4. FIRST AID MEASURES

<b>General</b>	In all cases of doubt, or when symptoms persist, seek medical attention.
<b>Inhalation</b>	Remove to fresh air. If breathing is difficult give oxygen. Obtain medical attention immediately.
<b>Skin</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. If irritation persists seek medical attention. Launder clothes before reuse.
<b>Eye</b>	Rinse thoroughly with plenty of water for several minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Rinse eyes for at least 15 minutes. Seek medical advice if irritation persists.

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## 4. FIRST AID MEASURES (Continued)

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<b>Ingestion</b>	Do not induce vomiting. Wash out mouth with water and give 200-300 ml (half a pint) of water to drink. Obtain medical attention if ill effects occur.
<b>Notes to physician</b>	Symptomatic treatment as indicated.

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## 5. FIRE-FIGHTING MEASURES

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<b>Flammable.</b>	
<b>Flash point</b>	28°C
<b>Extinguishing media</b>	Water mist*, CO foam and/or dry chemical powder.
<b>Unsuitable extinguishing media</b>	Waterjet.
<b>Special exposure hazards</b>	No specific recommendations.
<b>Hazardous decomposition / combustion products</b>	Carbon and nitrogen compounds.
<b>Protective equipment</b>	Wear suitable protective clothing (refer to Section 8).
<b>Other information</b>	*Water spray may be ineffective unless used by experienced fire fighters.

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## 6. ACCIDENTAL RELEASE MEASURES

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<b>Personal precautions</b>	Wear suitable protective clothing.
<b>Environmental precautions</b>	Expected to be toxic to aquatic life. Avoid discharge to natural waters.
<b>Methods for cleaning up</b>	Collect as much as possible in a clean container for (preferable) reuse or disposal. Cover the remainder with inert absorbent (e.g. vermiculite) for disposal. Avoid contact with liquid. Flush spill area with water.
<b>Other information</b>	For personal protection see Section 8.

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## 7. HANDLING AND STORAGE

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<b>Handling</b>	Avoid contact with eyes, skin and clothing. When using do not eat, drink or smoke. Do not swallow. Use with adequate ventilation. Wash thoroughly after handling.
<b>Fire and explosion prevention</b>	No specific recommendations
<b>Storage requirements</b>	Keep in the original container, tightly closed, out of reach of children. Keep away from food, drink and animal feeding stuffs.
<b>Other information</b>	To maintain quality, store at ambient temperatures and prevent from freezing. Use flammable liquid storage area.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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<b>Engineering controls</b>	The usual precautionary measures for handling chemicals should be observed.
<b>Ventilation</b>	Use in well ventilated area.
<b>Respirators</b>	None expected to be needed.
<b>Protective clothing</b>	Wear suitable, regularly laundered, protective clothing.
<b>Protective gloves</b>	Wear suitable protective gloves.
<b>Eye protection</b>	Wear goggles with side protection or faceshield
<b>Exposure limits</b>	No exposure limits have been established.
<b>Other protective equipment</b>	Eye bath and safety shower. Chemical apron.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance</b>	Clear liquid.
<b>Odour</b>	Sweet (solvent) odour.
<b>pH value</b>	7-8 (0.5% solution) in water.
<b>Boiling point/range</b>	> 35°C
<b>Melting point/range</b>	Not determined
<b>Flash point</b>	28°C
<b>Flammability</b>	flammable.
<b>Autoignition temperature</b>	not determined.
<b>Explosive properties</b>	none known.
<b>Oxidizing properties</b>	none known.
<b>Vapour pressure</b>	not determined.
<b>Density</b>	1.03 ±0.01
<b>Solubility in water</b>	Soluble at all concentrations.
<b>Partition coefficient n-octanol/water</b>	none known.
<b>Relative vapour density</b>	not determined.

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## 10. STABILITY AND REACTIVITY

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<b>Stability</b>	Stable. No decomposition if stored and handled properly.
<b>Conditions to avoid</b>	Extremes of temperature.
<b>Materials to avoid</b>	Normally unreactive; however, avoid strong bases, strong acids and strong oxidising agents.
<b>Hazardous decomposition products</b>	No specific hazardous decomposition products known.

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## 11. TOXICOLOGICAL INFORMATION

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<b>Name</b>	Ethylene oxide condensate + isobutanol preparation.
<b>Acute toxicity</b>	> 2000 mg/kg
<b>Irritation</b>	
<b>Skin</b>	Irritant
<b>Eye</b>	Irritant

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## 12. ECOLOGICAL INFORMATION

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<b>Degradability</b>	Biodegradable.
<b>Ecotoxicity</b>	Harmful to fish or other aquatic life. Avoid contaminating water and soil.

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## 13. DISPOSAL CONSIDERATIONS

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<b>Product</b>	According to local regulations (most probably controlled incineration).
<b>Contaminated packaging</b>	According to local regulations.

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## 14. TRANSPORT INFORMATION

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### Land Transport

<b>ADR Class</b>	3	<b>ADR item number</b>	31
<b>RID Class</b>	3	<b>ADR item number</b>	31
<b>Hazard Identification no.</b>		<b>Substance identification no.</b>	1993
<b>TREM-Card</b>	CEFIC TEC(R)-30G34	<b>UN number</b>	1993
<b>Proper shipping name</b>	Flammable liquid, n.o.s. (Contains isobutanol)		

### Sea Transport

<b>IMO/IMDG code</b>	3345	<b>Class</b>	
<b>Packaging group</b>	III	<b>UN number</b>	1993
<b>EMS</b>	none	<b>MFAG</b>	none
<b>Marine Pollutant</b>	No		

**Proper Shipping name** Flammable liquid, n.o.s. (Contains isobutanol)

### Air Transport

<b>ICAO-TI/IATA-DGR</b>	not restricted	<b>UN number</b>	none
<b>Class</b>		<b>Packaging group</b>	not relevant
<b>Proper shipping name</b>	not relevant		

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## 15. REGULATORY INFORMATION

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**Chemical Description** Ethylene oxide condensate + isobutanol.

**Symbol(s)**



IRRITANT (Xi)

**Risk phrase(s)** R10: Flammable  
R36/38: Irritating to eyes and skin

**Safety phrase(s)** S2: Keep out of reach of children  
S13: Keep away from food, drink and animal feedingstuffs  
S20/21: When using do not eat, drink or smoke  
S23: Do not breathe spray  
S24/25: Avoid contact with skin and eyes  
S36/37: Wear suitable protective clothing and gloves  
S39: Wear face protection  
S49: Keep only in the original container

This product is covered by the Control of Pesticides (Amendment) Regulations 1997, and is labelled accordingly.

The Control of Substances Hazardous to Health (COSHH) Regulations may apply to the use of this product. Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

WEAR SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACE SHIELD) when handling the concentrate.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows that they provide an equal or higher standard of protection.

All other national and local regulations, if applicable to the use, transport or disposal of this product, should be observed.

**EINECS** The ingredients of this product are on the EINECS inventory.  
**TSCA** The ingredients of this product are on the TSCA inventory.

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## 16. OTHER INFORMATION

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### Recommended uses and restrictions

Non-Ionic Wetter is an agricultural and horticultural wetting and spreading agent for use with pesticides.

Please consult the product label and/or application information bulletins for this product

This data sheet was prepared in accordance with Directive 93/112/EC.

The information and recommendations in this publication relate only to the specific material identified, and are to the best of our current knowledge, information and belief accurate at the date of publication. Nothing herein is to be construed as a warranty, express or otherwise. In all cases, it is the responsibility of the user to determine the applicability of such information or the suitability of any products for their own particular purpose.

### History

Date of issue	11th June 2001
Revision	2
Composed by	A. East
Changes were made in section	Section 1 of this issue has been revised.