

RYDA

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

Chemical name	Polyethoxylated tallow amine.
Supplier	Interagro (UK) Ltd Sworders Barn Sworders Yard North Street Bishop's Stortford Hertfordshire CM23 2LD
Emergency telephone	01279 501995 (during office hours) 020 8950 8854 (after office hours)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Product Description Ryda (ADJ No. 0168) is an agricultural wetting agent containing 800 g/litre polyethoxylated tallow amine.

INGREDIENT DANGER	CONCENTRATION (% by weight)	HAZARD	SYMBOL(S)
Polyethoxylated tallow amine	70-90	Irritating to eyes Irritating to skin	Xi
Isobutanol	10-30	Harmful if swallowed	Xn

3. HAZARDS IDENTIFICATION

Flammable	
Swallowing	May cause abdominal discomfort, nausea, vomiting and diarrhoea.
Eye contact	Liquid splashed into the eye may cause discomfort with some redness of the conjunctiva.
Skin contact	May cause slight irritation with itching and local redness.
Environment	Harmful to fish or other aquatic life

4. FIRST AID MEASURES

General	In all cases of doubt, or when symptoms persist, seek medical attention.
Inhalation	Remove to fresh air. If breathing is difficult give oxygen. Obtain medical attention immediately.
Skin	Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. Launder clothes before reuse.
Eye	Rinse thoroughly with plenty of water. 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)

Ingestion	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.
Notes to physician	Symptomatic treatment as indicated.

5. FIRE-FIGHTING MEASURES

Flammable.	
Flash point (PMCC°C)	41°C (PM closed cup)
Extinguishing media	Water mist*, CO foam and/or dry chemical powder.
Unsuitable extinguishing media	Waterjet.
Special exposure hazards	No specific recommendations.
Hazardous decomposition / combustion products	Carbon and nitrogen compounds.
Protective equipment	Wear suitable protective clothing (refer to Section 8).
Other information	*Water spray may be ineffective unless used by experienced fire fighters.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear suitable protective clothing.
Environmental precautions	Expected to be toxic to aquatic life. Avoid discharge to natural waters.
Methods for cleaning up	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.
Other information	For personal protection see Section 8.

7. HANDLING AND STORAGE

Handling	Avoid contact with skin and clothing. When using do not eat, drink or smoke. Do not swallow. Use with adequate ventilation. Wash thoroughly after handling.
Fire and explosion prevention	No specific recommendations
Storage requirements	Keep in the original container, tightly closed, out of reach of children. Keep away from food, drink and animal feeding stuffs.
Other information	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

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear amber brown coloured liquid.
Odour	Sweet (solvent) odour.
pH value	8.8 (1% solution) in water.
Boiling point/range	110°C
Melting point/range	< 0°C
Flash point (PMCC°C)	41°C (PM closed cup).
Flammability	flammable.
Autoignition temperature	not determined.
Explosive properties	none known.
Oxidizing properties	none known.
Vapour pressure	2 mm Hg (at 21.7°C)
Specific gravity	0.97 @ 20°C
Solubility in water	Soluble at all concentrations.
Partition coefficient n-octanol/water	none known.
Relative vapour density	not determined.

10. STABILITY AND REACTIVITY

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

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11. TOXICOLOGICAL INFORMATION

Name	Polyethoxylated tallow amine + isobutanol preparation.
Acute toxicity	Harmful if swallowed
Irritation	
Skin	Irritant
Eye	Irritant

12. ECOLOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATIONS

Product	According to local regulations (most probably controlled incineration).
Contaminated packaging	According to local regulations.

14. TRANSPORT INFORMATION

Land Transport

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

Sea Transport

IMO/IMDG code	3345	Class	
Packaging group	III	UN number	1993
EMS	none	MFAG	none
Marine Pollutant	No		
Proper Shipping name	Flammable liquid, n.o.s. (Contains isobutanol)		

Air Transport

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

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15. REGULATORY INFORMATION

Chemical Description Polyethoxylated tallow amine.

Symbol(s)



HARMFUL (Xn)

Risk phrase(s) R10: Flammable
R22: Harmful if swallowed
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
S24/25: Avoid contact with skin and eyes
S36/37: Wear suitable protective clothing and gloves
S39: Wear face protection
S44: If you feel unwell, seek medical advice (show the label where possible)
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

Recommended uses and restrictions

Ryda (ADJ No. 0168) is an agricultural wetting 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	11 th June 2001
Revision	2
Composed by	A. East
Changes were made in section	Section 1 of this issue have been revised.