

Safety Data Sheet

Revision date: 18th January 2012

1st version

QUALIBRA

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

Tradename QUALIBRA
 Design Code A16982A
 Use Wetting Agent
 Sales code

Company Identification

Company Syngenta Crop Protection UK Ltd
 CPC4, Capital Park, Fulbourn, Cambridge, CB21 5XE
 Phone (01223) 883400
 Fax (01223) 882195
 Website www.syngenta-crop.co.uk

Emergency Phone +44 (0) 1484 538444 (24h)

2. HAZARDS IDENTIFICATION

Irritating to eyes

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Chemical Name	CAS-No.	EC-No.	Symbol(s)	R-phrases(s)	Concentration
oxirane, methyl-, polymer with oxirane, mono[2-(6,6-dimethylbi-cyclo[3.1.1]hept-2-ene n-yl)ethyl] ether	174955-61-4	-	Xn	R22 R41	15-25 % w/w

Substances for which there are Community workplace exposure limits
 For the full text of the R phrases mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

General advice: Have the product container, label or Material Safety Data Sheet with you when calling the Syngenta emergency number, a poison control centre or physician, or going for treatment.

Inhalation: Remove the victim to fresh air. If breathing is irregular or stopped, administer artificial respiration. Keep patient warm and at rest. Call a physician or Poison Control Centre immediately.

Skin contact: Take off all contaminated clothing immediately. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Wash contaminated clothing before re-use.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Immediate medical attention is required.

Ingestion: If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting.

Symptoms: No information available.

Medical advice: There is no specific antidote available. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Extinguishing media - small fires: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Extinguishing media - large fires: Use alcohol-resistant foam or water spray.

Extinguishing media which must not be used for safety reasons: Do not use a solid water stream as it may scatter and spread fire.

Specific hazards during fire fighting: As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10). Exposure to decomposition products may be a hazard to health.

Special protective equipment for fire fighters: Wear full protective clothing and self-contained breathing apparatus.

Further information: Do not allow run-off from fire fighting to enter drains or water courses. Cool closed containers exposed to fire with water spray.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Refer to protective measures listed in sections 7 and 8.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

Methods for cleaning up: Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

Additional advice: If the product contaminates rivers and lakes or drains inform respective authorities.

7. HANDLING AND STORAGE

Advice on safe handling: No special protective measures against fire required. Avoid contact with skin and eyes. When using, do not eat, drink or smoke. For personal protection see section 8.

Requirements for storage areas and containers: No special storage conditions required. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters

The following recommendations for exposure controls/personal protection are intended for the manufacture, formulation and packaging of the product.

ENGINEERING MEASURES

Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated. The extent of these protection measures depends on the actual risks in use. If airborne mists or vapours are generated, use local exhaust ventilation controls. Assess exposure and use any additional measures to keep airborne levels below any relevant exposure limit. Where necessary, seek additional occupational hygiene advice.

PERSONAL PROTECTIVE EQUIPMENT

When using this product refer to the label for details. In all other cases, use the following Personal Protective Equipment:

Protective measures: The use of technical measures should always have priority over the use of personal protective equipment. When selecting personal protective equipment, seek appropriate professional advice. Personal protective equipment should be certified to appropriate standards.

Respiratory protection: No personal respiratory protective equipment normally required. A particulate filter respirator may be necessary until effective technical measures are installed.

Hand protection: Chemical resistant gloves are not usually required. Select gloves based on the physical job requirements.

Eye protection: If eye contact is possible, use tight-fitting chemical safety goggles.

Skin and body protection: No special protective equipment required. Select skin and body protection based on the physical job requirements.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state:	liquid.
Form:	Clear to slightly turbid liquid molecule
Colour:	colourless
Odour:	like pine
pH	4.9-9.00 at 1 %w/v (-10 - 40 °C)
Flash point:	>80 °C Pensky-Martens c.c.
Density:	1.045 g/cm ³ at 20 °

10. STABILITY AND REACTIVITY

Reactivity: No information available.

Chemical stability: No information available.

Possibility of hazardous reactions: None known. Hazardous polymerisation does not occur.

Conditions to avoid: No information available.

Incompatible materials: No information available.

Hazardous decomposition products: Combustion or thermal decomposition will evolve toxic and irritant vapours.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute oral toxicity: LD50 rat 200 - 2,000 mg/kg
oxirane, methyl-,polymer with
oxirane, mono[2-(6,6-dimethylbicycl
o[3.1.1]hept-2-en-2-yl)ethyl]ether

Skin corrosion/irritation: Non-irritating.
oxirane, methyl-,polymer with
oxirane, mono[2-(6,6-dimethylbicycl
o[3.1.1]hept-2-en-2-yl)ethyl]ether
Information given is based on data obtained from similar substances.

**Serious eye damage/
Eye irritation:** Irritating.

12. ECOLOGICAL INFORMATION

Toxicity

Toxicity to fish: No information available.

Persistence and degradability

Biodegradability: No information available.

Stability in water: no data available.

Stability in soil: no data available.

Bioaccumulative potential: no data available.

Mobility in soil: no data available.

Results of PBT and vPvB no data available.

assessment:

Other adverse effects: **None known.**

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Product: Do not contaminate ponds, waterways or ditches with chemical or used container. Do not dispose of waste into sewer. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations.

Contaminated packaging: Empty remaining contents. Triple rinse containers. Empty containers should be taken for local recycling or waste disposal. Do not re-use empty containers.

14. TRANSPORT INFORMATION

Rail / Road / Sea / Air (RID / ADR / IMDG / IATA-DGR) Not dangerous goods

Special precautions for user None

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable

15. REGULATORY INFORMATION

Classifications /

Hazard symbols

Xi

Irritant

Risk phrases (R)

36

Irritating to eyes.

Safety phrases (S)

2

Keep out of the reach of children.

13

Keep away from food, drink and animal feeding stuffs.

20/21

When using, do not eat, drink or smoke.

26

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

36/37

Wear suitable protective clothing and gloves when handling the concentrate

39

Wear eye/face protection.

Additional Labelling

To avoid risks to man and the environment, comply with the instructions for use.

16. OTHER INFORMATION

Always read the label.

Based on Version 1 dated 18th January 2012.

Text of R phrases mentioned in Sections 2 and 3:

R22 Harmful if swallowed.

R41 Risk of serious damage to eyes..

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

This version replaces all previous versions.

Product names are a trademark or registered trademark of a Syngenta Group Company