



## SAFETY DATA SHEET

QUARTZ

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Compilation date: 27/11/2012

Revision date: 25/10/2018

Revision No: 8

### Section 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name: QUARTZ

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

Use of substance / mixture: PC27: Plant protection products.

#### 1.3. Details of the supplier of the safety data sheet

Company name: Intracrop

1st Floor Offices

10 Hereford Road

Abergavenny

Monmouthshire

NP7 5PR

United Kingdom

Tel: +44 (0) 1926 634 801

Fax: +44 (0) 1926 634 798

Email: technical@intracrop.co.uk

#### 1.4. Emergency telephone number

Emergency tel: +44 (0) 870 190 6777

(office hours only)

### Section 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classification under CLP: Acute Tox. 4: H302; Aquatic Chronic 3: H412; Eye Dam. 1: H318

Most important adverse effects: Harmful if swallowed. Causes serious eye damage. Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

Label elements:

Hazard statements: H302: Harmful if swallowed.

H318: Causes serious eye damage.

H412: Harmful to aquatic life with long lasting effects.

Hazard pictograms: GHS05: Corrosion

GHS07: Exclamation mark



Signal words: Danger

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**Precautionary statements:** P264: Wash hands thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.  
P273: Avoid release to the environment.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P312: IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P302+P350: IF ON SKIN: Gently wash with plenty of soap and water.  
P309+P311: IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.  
P502: Refer to manufacturer or supplier for information on recovery or recycling.

### 2.3. Other hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients:

ALCOHOLS, C12-C15, ETHOXYLATE 7 MOL

EINECS	CAS	PBT / WEL	CLP Classification	Percent
500-195-7	-	-	Aquatic Chronic 3: H412; Acute Tox. 4: H302; Eye Dam. 1: H318	25-50%

2-(2-BUTOXYETHOXY)ETHANOL

203-961-6	112-34-5	-	Eye Irrit. 2: H319	5-10%
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TRISILOXANE, POLYETHER MODIFIED

-	27306-78-1	-	Aquatic Chronic 2: H411; Acute Tox. 4: H332; Eye Irrit. 2: H319	<1%
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## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Wash immediately with plenty of soap and water.  
**Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.  
**Ingestion:** Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately.  
**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

[cont...]

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### 4.2. Most important symptoms and effects, both acute and delayed

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness. The eyes may water profusely.  
The vision may become blurred. May cause permanent damage.

**Ingestion:** Nausea and stomach pain may occur. There may be vomiting and diarrhoea. Blood may be vomited.

**Inhalation:** Absorption through the lungs can occur causing symptoms similar to those of ingestion.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

### 4.3. Indication of any immediate medical attention and special treatment needed

**Immediate / special treatment:** Show this safety data sheet to the doctor in attendance.

Immediate medical attention is required. Eye bathing equipment should be available on the premises.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

### 5.2. Special hazards arising from the substance or mixture

**Exposure hazards:** In combustion emits toxic fumes.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Refer to section 8 of SDS for personal protection details. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

### 6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS. Refer to section 13 of SDS.

[cont...]

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## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid the formation or spread of mists in the air. Avoid direct contact with the substance.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed.

**Suitable packaging:** Must only be kept in original packaging.

### 7.3. Specific end use(s)

**Specific end use(s):** No data available.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Hazardous ingredients:**

**2-(2-BUTOXYETHOXY)ETHANOL**

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	67.5 mg/m <sup>3</sup>	101.2 mg/m <sup>3</sup>	-	-

### DNEL/PNEC Values

**Hazardous ingredients:**

**2-(2-BUTOXYETHOXY)ETHANOL**

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (repeated dose)	67.5 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Inhalation (repeated dose)	67.5 mg/m <sup>3</sup>	Workers	Local
DNEL	Inhalation (acute)	101.2 mg/m <sup>3</sup>	Workers	Local
DNEL	Dermal (repeated dose)	83 mg/kg bw/day	Workers	Systemic
DNEL	Inhalation (repeated dose)	40.5 mg/m <sup>3</sup>	General Population	Systemic
DNEL	Inhalation (repeated dose)	40.5 mg/m <sup>3</sup>	General Population	Local
DNEL	Inhalation (acute)	60.7 mg/m <sup>3</sup>	General Population	Local
DNEL	Dermal (repeated dose)	50 mg/kg bw/day	General Population	Systemic
DNEL	Oral (repeated dose)	5 mg/kg bw/day	General Population	Systemic
PNEC	Fresh water	1.1 mg/L	-	-
PNEC	Marine water	0.11 mg/L	-	-
PNEC	Fresh water sediments	4.4 mg/kg sediment d	-	-
PNEC	Marine sediments	0.44 mg/kg sediment	-	-
PNEC	Soil (agricultural)	0.32 mg/kg soil dw	-	-

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PNEC	Food chain	56 mg/kg food	-	-
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### TRISILOXANE, POLYETHER MODIFICATED

Type	Exposure	Value	Population	Effect
PNEC	Fresh water sediments	1.66 mg/kg sediment	-	-
PNEC	Marine sediments	0.17 mg/kg sediment	-	-
PNEC	Soil (agricultural)	3.9 mg/kg soil dw	-	-

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure there is exhaust ventilation of the area. Ensure all engineering measures mentioned in section 7 of SDS are in place.

**Respiratory protection:** Respiratory protection not required.

**Hand protection:** Protective gloves. Gloves (solvent-resistant). BS EN 374:2003 / EN ISO 374-1:2016

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

**Environmental:** Refer to specific Member State legislation for requirements under Community environmental legislation.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**State:** Liquid

**Colour:** Colourless

**Odour:** Perceptible odour

**Evaporation rate:** Negligible

**Oxidising:** Non-oxidising (by EC criteria)

**Solubility in water:** Miscible in all proportions

**Viscosity:** Non-viscous

**Boiling point/range°C:** 100

**Melting point/range°C:** 0 - 5

**Flammability limits %: lower:** No data available.

**upper:** No data available.

**Flash point°C:** >93

**Part.coeff. n-octanol/water:** No data available.

**Autoflammability°C:** No data available.

**Vapour pressure:** No data available.

**Relative density:** 1.000 - 1.018

**pH:** Approx. 7

**VOC g/l:** 70

### 9.2. Other information

**Other information:** Not applicable.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

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### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

### 10.4. Conditions to avoid

**Conditions to avoid:** Heat.

### 10.5. Incompatible materials

**Materials to avoid:** Strong oxidising agents. Strong acids.

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

**Hazardous ingredients:**

**ALCOHOLS, C12-C15, ETHOXYLATE 7 MOL**

ORAL	RAT	LD50	500	mg/kg
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**2-(2-BUTOXYETHOXY)ETHANOL**

ORL	MUS	LD50	6050	mg/kg
ORL	RAT	LD50	4500	mg/kg

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DERMAL	RAT	LD50	> 2000	mg/kg
DUST/MIST	RAT	4H LC50	2	mg/l
ORAL	RAT	LD50	> 2000	mg/kg

**Relevant hazards for product:**

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	ING	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated

### Symptoms / routes of exposure

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness. The eyes may water profusely. The vision may become blurred. May cause permanent damage.

**Ingestion:** Nausea and stomach pain may occur. There may be vomiting and diarrhoea. Blood may be vomited.

**Inhalation:** Absorption through the lungs can occur causing symptoms similar to those of ingestion.

[cont...]

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**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

**Other information:** Not applicable.

## Section 12: Ecological information

### 12.1. Toxicity

**Hazardous ingredients:**

#### ALCOHOLS, C12-C15, ETHOXYLATE 7 MOL

ALGAE	72H ErC50	1 - 10	mg/l
Daphnia magna	48H EC50	1 - 10	mg/l
Daphnia magna	NOEC	0.1 - 1.0	mg/l
FISH	96H LC50	1 - 10	mg/l
FISH	NOEC	0.1 - 1.0	mg/l

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Danio rerio (zebra fish)	96H LC50	1 - 10	mg/l
Daphnia similis (water flea)	48H EC50	10 - 100	mg/l
green algae	96H LC50	1 - 10	mg/l

### 12.2. Persistence and degradability

**Persistence and degradability:** Biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No bioaccumulation potential.

### 12.4. Mobility in soil

**Mobility:** Readily absorbed into soil.

### 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

### 12.6. Other adverse effects

**Other adverse effects:** Harmful to aquatic organisms. Harmful to soil organisms.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**Recovery operations:** Not applicable.

**Disposal of packaging:** Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

**Transport class:** This product does not require a classification for transport.

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### Section 15: Regulatory information

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

**Specific regulations:** Not applicable.

#### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

### Section 16: Other information

#### Other information

**Other information:** according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** H302: Harmful if swallowed.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H332: Harmful if inhaled.

H411: Toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.