

According to Regulation (EC) No. 1907/2006 Revision Number: 09 Date: 15.03.2018

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

#### 1.1 Product identifier

Product name: Master Wett Product code: OS-02

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

Organosilicone 84%

Supper wett/spreader for use on all crops

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

Global Adjuvants Company 20-22 Wenlock Road London, N1 7GU, UK Tel: +44 (0) 1480 810137

Email: office@global-adjuvants.com

### 1.4 Emergency telephone number

For advice on medical emergencies, fires, spillages or chemical hazards ONLY: +44 (0) 1480 810137

## 2. HAZARDS IDENTIFICATION

## 2.1 Classification of the substance or mixture: Classification according to Regulation (EC) No 1272/2008 as amended

Serious eye damage/eye irritation Category 2; H319; Chronic hazards to the aquatic environment Category 2; H411.

#### 2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008





#### Signal word Warning

#### **Hazard statements**

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

### Precautionary statements

P264: Wash thoroughly after use

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

PAGE: 1/9



According to Regulation (EC) No. 1907/2006 Revision Number: 09 Date: 15.03.2018

P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container to a licenced hazardous waste disposal contractor or collection site.

#### 2.3 Other hazards

None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Components:

Chemical name	CAS-No.; EC No.; REACH Registration No.	Concentration (%)	Classification [Regulation (EC) No. 1272/2008]
Polyalkyleneoxide modified Heptamethyltrisiloxane	27306-78-1	84%	Category 2; Aquatic Chronic; H411; Category 2; Eye Dam.; H319
Allyloxy polyethylene glycol	27252-80-8	16%	Acute Toxicity 4; H302

For full text of hazard phrases, refer to section 16.

#### 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures

#### **Inhalation**

After inhalation of aerosol/mist seek medical advice immediately. Move the exposed person to fresh air at once. If breathing is difficult, give oxygen. Call a physician or poison control centre immediately.

## Skin contact

Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Get medical attention if symptoms persist.

#### Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if symptoms persist.

## **Ingestion**

Do not induce vomiting. If conscious, drink plenty of water. Call a physician or poison control centre immediately.

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

None known.

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

None known.

### 5. FIRE-FIGHTING MEASURES

## 5.1 Extinguishing media

## Suitable extinguishing media

Alcohol resistant foam. Carbon dioxide Dry chemical.



Revision Number: 09 Date: 15.03.2018



Unsuitable extinguishing media

None known.

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

None known.

#### 5.3 Advice for firefighters:

Wear self-contained breathing apparatus and protective clothing. Do not use water jet as an extinguisher, as this will spread the fire. Use water spray to keep fire-exposed containers cool.

#### 6. ACCIDENTAL RELEASE MEASURES

## 6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes, skin, and clothing. Avoid contact with liquid and vapours. Use personal protective equipment.

## 6.2 Environmental precautions

Prevent runoff from entering drains, sewers, or streams.

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

Absorb spillage with suitable absorbent material. Shovel up and place in a container for salvage or disposal.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

## <u>Handling</u>

Do not taste or swallow.

Avoid contact with eyes, skin, and clothing.

Wash hands after handling.

Provide adequate ventilation.

Avoid inhalation of vapours and spray mists.

### Other precautions

Consult the manufacturer before using an aerosol of the neat liquid.

## Advice on protection against fire and explosion

All equipment used when handling the product must be grounded.

## 7.2 Conditions for safe storage, including any incompatibilities

## Requirements for storage areas and containers

Keep container tightly closed.

Keep away from sources of ignition - No smoking.

Protect from frost.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Occupational exposure limits

PAGE: 3/9



Revision Number: 09 Date: 15.03.2018



Contains no substances with occupational exposure limit values.

DNEL-Values
No data available

PNEC-Values
No data available

## 8.2 Exposure controls

### Appropriate engineering controls

Provide eyewash station and safety shower. General (mechanical) room ventilation is expected to be satisfactory if handled at low temperatures or in covered equipment.

### Personal protective equipment (ppe)

Respiratory protection: Respirator with a vapour filter (EN 141)

Hand protection: Advice: This recommendation is valid only for our Product as delivered. If this product will be mixed with other substances you need to contact a supplier of CE approved protective gloves.

substances you need to contact a supplier of CE approved protective g

Eye protection: Safety glasses with side-shields conforming to EN166

Skin and body protection: Safety shoes. Wear suitable protective clothing.

Hygiene measures: Do not breathe vapour/aerosol. When using do not eat, drink or smoke. Use only with adequate ventilation.

Wash thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

## 9.1 Information on basic physical and chemical properties

Appearance: Liquid, Pale yellow

Odour: Polyether

Odour Threshold: No data available.

pH: No data available.

Melting (freezing) Point: -1 °C

Boiling point/boiling range: > 150 °C at 1.013 hPa Copolymer

Flash Point: 116 °C Method: ASTM D 93

Evaporation Rate: <1

Lower explosion limit: No data available. Upper explosion limit: No data available. Vapour pressure: < 1,33 hPa at 20 °C

Vapour Density: >1

Density: 1,0070 g/cm3 at 25 °C (1,013 hPa) Solubility(ies): Solubility in Water: Dispersible

Partition Coefficient: n-octanol/water:

POW: > 1.951, Log Pow (n-Octanol/Water Partition Coefficient): > 3,29 POW: > 1.926, Log Pow (n-Octanol/Water Partition Coefficient): > 3,28 POW: > 3.997, Log Pow (n-Octanol/Water Partition Coefficient): > 3,60

Autoignition Temperature: No data available.

Thermal decomposition: Note: No decomposition if stored and applied as directed.

Viscosity, dynamic: 24 mPa.s

Viscosity, kinematic: No data available

PAGE: 4/9



According to Regulation (EC) No. 1907/2006 



#### 10. STABILITY AND REACTIVITY

#### 10.1 Reactivity

No data available

## 10.2 Chemical stability

No data available

### 10.3 Possibility of hazardous reactions

No dangerous reaction if used as recommended.

#### 10.4 Conditions to avoid

None known.

### 10.6 Hazardous decomposition products

Carbon oxides, Oxides of silicon.

Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.

### 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

This product has been tested.

## Acute oral toxicity

LD50 Rat

Dose: > 2.000 mg/kg slightly toxic

## Acute inhalation toxicity

LC50 Rat Dose: 2 mg/l Exposure time: 4 h

Aerosols: LC50 Rat

Dose: >11,78 mg/l

Exposure time: 4 h Aerosols 5% Diluted aqueous solution.

## Acute dermal toxicity

LD50 Rat Dose: > 2.000 mg/kg slightly toxic

Skin irritation

Rabbit Result: No skin irritation

Eye irritation

Rabbit Result: Strongly irritating.

Sensitization

Guinea Pig Result: Did not cause sensitization on laboratory animals.

Repeated dose toxicity

Oral Rat Exposure time: 28 d

NOAEL: 150 mg/kg Method: OECD 422

Component data: Polyalkyleneoxide modified heptamethyltrisiloxane

According to Regulation (EC) No. 1907/2006

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Acute oral toxicity

LD50 Rat Dose: > 2.000 mg/kg

Acute inhalation toxicity

LC50 Rat Dose: 2 mg/l

Exposure time: 4 h

LC50 Rat

Dose: > 11,78 mg/l Exposure time: 4 h

5% Diluted aqueous solution

Acute dermal toxicity

LD50 Rat

Dose: > 2.000 mg/kg

Eye irritation

Rabbit Result: Strongly irritating.

<u>Sensitization</u>

Guinea Pig Result: negative

Genetic Toxicity in vitro

Test type: Ames-Test - Result: negative

Test type: Chinese Hamster Ovary (CHO) - Result: negative Test type: Mammalian cytogenicity test - Result: negative

Genetic toxicity in vivo

Test type: Micronucleus test - Result: negative

## 12. ECOLOGICAL INFORMATION

#### 12.1 Toxicity

Product has been tested. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Toxicity to fish

LC50 Species: Zebra Fish Dose: 2,75 mg/l Exposure time: 96 h NOEC Species: Zebra Fish Dose: 0,56 mg/l

Exposure time: 96 h

LC50 Species: Lepomis macrochirus

Dose: 6 mg/l Exposure time: 96 h

NOEC Species: Lepomis macrochirus

Dose: 2,5 mg/l

Toxicity to other organisms

EC50 Species: Daphnia similis

Dose: 22,61 mg/l Exposure time: 48 h

NOEC Species: Daphnia similis

Dose: 10 mg/l Exposure time: 48 h EC50 Species: *Daphnia magna* 

PAGE: 6/9



Revision Number : 09 Date : 15.03.2018



Dose: 37 mg/l Exposure time: 48 h

NOEC Species: Daphnia magna

Dose: 25 mg/l Exposure time: 48 h

Toxicity to algae

EC50 Species: Selenastrum capricornutum

Dose: 5,5 mg/l Exposure time: 96 h

NOEC Species: Selenastrum capricornutum

Dose: 1 mg/l Exposure time: 96 h

Toxicity to microorganisms

MEC90 Species: Spirillum volutans

Dose: > 0,201 mg/l

Exposure time: 120 min (highest concentration tested)

Uncoordinated mobility in 90% of the population

## Component data: Polyalkyleneoxide modified Heptamethyltrisiloxane

Toxicity to fish

LC50 Species: Zebra Fish Dose: 2,75 mg/l Exposure time: 96 h NOEC Species: Zebra Fish

Dose: 0,56 mg/l Exposure time: 96 h

Toxicity to other organisms

EC50 Species: Daphnia similis

Dose: 22,6 mg/l Exposure time: 48

Toxicity to algae

EC50 Species: Algae Dose: 5,5 mg/l Exposure time: 96 h NOEC Species: Algae Dose: 1 mg/l

Exposure time: 96 h

Toxicity to microorganisms

MEC90 Species: Spirillum volutans

Exposure time: 2 h (highest concentration tested) Uncoordinated mobility in 90% of the population

Toxicity other non-mammal terrestrial species

LC50 Species: Earthworm Dose: > 4.777,78 mg/kg

Exposure time: 14 d (highest concentration tested)

## 12.2 Persistence and degradability

The product is not readily biodegradable.

## 12.3 Bioaccumulation

Product: No data available

# 12.4 Mobility in soil

According to Regulation (EC) No. 1907/2006



Revision Number: 09 Date: 15.03.2018

No data available

#### 12.5 Results of PBT and vPvB assessment

Product: No data available No data available

#### 12.6 Other adverse effects

None known.

#### 13. DISPOSAL INFORMATION

#### 13.1 Waste treatment methods

Product: Can be incinerated when in compliance with local regulations.

Contaminated packaging: Dispose of as unused product.

### 14. TRANSPORT INFORMATION

#### Land transport (ADR/RID)

- 14.1 UN Number: 3082
- **14.2 UN proper shipping name**: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. Contains: Polyalkyleneoxide Modified Heptamethyltrisiloxane
- 14.3 Transport hazard class(es): 9
- **14.4 Packing group**: III Classification code: M6

Hazard identification no.: 90

14.6 Special precautions for user: Limited quantities (ADR) 1L

## Inland waterway transport (ADNR)

- 14.1 UN Number: 3082
- **14.2 UN proper shipping name**: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. Contains: Polyalkyleneoxide Modified Heptamethyltrisiloxane
- 14.3 Transport hazard class(es): 9
- 14.4 Packing group: III

  Classification code: M6

  Hazard identification no.: 90

## Sea transport (IMDG)

- 14.1 UN Number: 3082
- **14.2 UN proper shipping name**: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. Contains: Polyalkyleneoxide Modified Heptamethyltrisiloxane
- 14.3 Transport hazard class(es): 9
- 14.4 Packing group: III
- 14.5 Marine pollutant: YES

IMDG-Label: 9 EmS: F-A, S-F

14.6 Special precautions for user: Limited quantities (IMDG) 1L

# Air transport (ICAO/IATA)

- 14.1 UN Number: 3082
- **14.2 UN proper shipping name**: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. Contains: Polyalkyleneoxide Modified Heptamethyltrisiloxane
- 14.3 Transport hazard class(es): 9

According to Regulation (EC) No. 1907/2006

Revision Number : 09 Date : 15.03.2018



**14.4 Packing group**: III ICAO-Labels: 9MI

### 15. REGULATORY INFORMATION

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

None known.

15.2 Chemical safety assessment

National legislation

Water contaminating class: WGK 1 slightly water endangering (Germany)

## **16. OTHER INFORMATION**

Always read the label and product information before use.

Wording of the H-statements in section 2 and 3

H302: Harmful if swallowed.

H319: Causes serious eye irritation.

H411: Toxic to aquatic life with long lasting effects.

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PAGE: 9/9