

## SAFETY DATA SHEET (SDS)

TITLE: **OXAMYL 100 GR**

### 1.0 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY / UNDERTAKING

#### 1.1 Product Identifier

Product Name : CIBA OXAMYL 100 GR  
Common Name : Oxamyl 100 G/L GR  
CAS No. : 23135-22-0  
Index Number : N/A

#### 1.2 Relevant identified uses of the substance: Agricultural Pesticide

#### 1.3 Details of the Manufacturer / Supplier of the safety data sheet:

Supplier CIBA AGRIPHARMA SARL  
78 Boulevard Haussmann  
75008 Paris , France  
Tel Tel: +33 6 51 39 90 00  
E-mail administration@ciba- agripharma.com  
Webpage www. ciba- agripharma.com

#### 1.4 Emergency Phone Number (24 hours)

+33 6 51 39 90 00

### 2.0 HAZARDS IDENTIFICATION

#### 2.1 Classification of the mixture:

According to classification rules (UE) of 1272/2008 (CLP): Acute Toxicity, Cat.2; Chronic aquatic, Cat.2.

#### 2.2 Label elements:

##### Pictogram:



Signal Word: Danger.

##### Hazard statements:

H300: Fatal if swallowed

H330: Fatal if inhaled

H411: Toxic to aquatic life with long lasting effects

EUH208: Contains 1,2-Benzisotiazol-3(2H)-one May produce an allergic reaction.

EUH401: To avoid risks to human health and the environment, comply with the instructions for use.

**General precautionary Statements:**

P101: If medical advice is needed, have product container or label at hand.

P102+P405: Keep out of reach of children. Store locked up.

**Prevention precautionary statements:**

P270: Do not eat, drink or smoke when using this product.

P273: Avoid release to the environment.

**Response precautionary statements:**

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.

P304 + P340 +P310: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

**Storage precautionary statements:** None.

**Disposal precautionary statements:** None.

**2.3 Other hazards:**

Sp1: Do not contaminate water with the product or its container (Do not clean application equipment near surface water/ Avoid contamination via drains from farmyards and roads).

SPo2: Wash all protective clothing after use.

Spe2: To protect groundwater do not apply to acidic soil or to soil containing >80% sand.

SPe8: Dangerous to bees. To protect bees and other pollinating insects do not apply to crop plants when in the flower or when weeds are in flower. Do not use where bees are actively foraging. In greenhouses, respect an interval of 24 days before releasing pollinating insects and 73 days before releasing beneficial insects.

### 3.0 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances:---

3.2 Mixtures. Hazardous components:

DANGEROUS COMPONENT	IDENTIFIERS CAS nr./ CE nr. REACH Nr.	%	CE Classification REGULATION (CE) 1272/2008 [CLP]
OXAMYL N,N-dimethyl-2-methyl- carbamoyloxyimino-2- (methylthio)acetamide <b>C<sub>7</sub>H<sub>13</sub>N<sub>3</sub>O<sub>3</sub>S</b>	23135-22-0 / 245-445-3	10 % w/v	Acute Tox. 2 H330 Acute Tox. 2 H300 Acute tox 4: H312 Aquatic Chronic 2 H411  Danger

### 4.0 FIRST AID MEASURES

**4.1 Description of first aid measures:**

**4.1.1 Inhalation:** Remove victim from exposure area to fresh air immediately. If breathing stops, administer artificial respiration. Keep victim at rest and covered with a blanket. Seek medical attention immediately.

**4.1.2 Eye contact:** Wash thoroughly with water for at least 15-20 minutes. Remove contact lenses. Seek medical attention immediately for further medical treatment.

**4.1.3 Skin contact:** Remove contaminated clothes immediately. Wash skin thoroughly with water and soap (if there are no burns) for 15-20 minutes. If irritation occurs, ask for medical advice.

**4.1.4 Ingestion:** Do not give anything by mouth, rinse mouth with water. In case of ingestion, do not induce vomiting or give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Attention: Risk of chemical pneumonia caused by aspiration. Maintain airway if vomiting occurs. Keep victim at rest. Maintain body temperature. Seek medical attention immediately. Symptomatic, supportive treatment. In case of ingestion, consider digestive endoscopy. Control breathing. Administer artificial respiration if necessary. If victim is unconscious, lay on his/her side with head lower than the rest of the body and knees half-bent. Take victim to the nearest medical facility. Show label or container whenever possible.  
**DO NOT LEAVE VICTIM UNATTENDED.**

General advice: Move out of danger. Keep person at rest away from source of contamination. Remove all contaminated clothing. **DO NOT ALLOW** smoking, drinking or eating. If symptoms develop and persist, consult a doctor. First aider should avoid becoming contaminated and wear protective clothing if necessary. If danger of loss of consciousness, place the person in recovery position. Apply artificial ventilation if necessary, but care must be taken to avoid contamination of the first aider.

**4.2 Most important symptoms and effects, both acute and delayed. Potential acute health effects:**

**Symptoms:** Breathing difficulties, Shortness of breath, Dizziness, Nausea, Weakness, Headache, Blurred vision, Symptoms: acetylcholinesterase inhibitor.

Muscarinic symptoms: accommodation disorders, amblyopia, miosis, lacrimation, salivation and bronchorrhea with bronchospasm, vomiting, diarrhea, bradycardia.

Nicotinic symptoms: tremors and muscle fibrillation, convulsions, hypertension, tachycardia, generalized flaccid paralysis, cardiovascular collapse. **CALL IMMEDIATELY A POISON CENTER.**

**4.3 Indication of any immediate medical attention and special treatment needed:**

To evaluate the performance of a gastrointestinal endoscopy. In case of ingestion, the stomach should be emptied by gastric lavage under medical supervision. gastric lavage using an endotracheal tube with normal saline or 5% of sodium bicarbonate, followed by administration of activated charcoal and sodium sulphate saline cathartic. Gastric lavage should be carried out by qualified medical personnel.

Specific treatments: No specific antidote: Administer atropine sulphate as an antidote until complete atropinisation (1.2 to 2.0 mg iv every 10-30 minutes). Do not use morphine or 2-PAM. Oxamyl (N-methyl carbamate) causes inhibition of acetylcholinesterase symptoms. If any warning signs appear, administer atropine sulphate 1,2-2 mg intravenous, every 10-30 minutes, until full atropinism.

## 5.0 FIRE – FIGHTING MEASURES

### 5.1 Extinguishing media:

**Suitable extinguishing media :** Use dry chemical Powder, carbon dioxide, pulverised water, standard foam.

**Unsuitable extinguishing media :** For safety reasons, avoid using water streams or high volume water jet. (contamination risk).

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

**Hazards from the substance or mixture:** No specific fire or explosion hazard. Avoid breathing sprays, vapours, dust, smoke or fumes.

**Hazardous thermal decomposition products:** Thermal decomposition of the product may include toxic carbon and nitrogen oxide vapours and fumes.

**5.3 Advice for firefighters. Special protective actions for firefighters:** Keep upwind of fire. Do not use contact lenses. Avoid eyes and skin contact. Keep unnecessary people away. No action shall be taken involving any personal risk or without suitable training. Move containers away from fire area if possible. Do not scatter spilled material with high pressure water streams (pollution risk). Cool tank/containers with water spray. Runoff from fire control may be a pollution hazard. Dike and collect water and other materials used to fight fire for later disposal. Avoid breathing harmful vapours in case of fire. Cool tank/containers with water spray. Runoff from fire control may be a pollution hazard.

**Special protective equipment for fire fighters:** Fire-fighters should wear appropriate full protective equipment

and self contained breathing apparatus with independent air supply (SCBA) with a full faceshield operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

**Additional information:** Call the Fire Brigade at once to deal with all fires involving pesticides unless the fire is small and immediately controllable. Spray unopened containers with a mist spray to keep cool. If without risk, remove intact containers from exposure to fire. Do not allow contamination of public drains or surface/ground waters. Do not empty into drains/water courses the fire extinction waters.

Dispose of fire debris and contaminated water as advised in the code of practice for using plant protection products wastes and residues.

## 6.0 ACCIDENTAL RELEASE MEASURES

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

**For non-emergency personnel:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders:** Keep upwind. Avoid breathing sprays, vapours and dust. Do not use contact lenses. Avoid contact of the spilled product with skin. Keep unnecessary people away of the spill. Do not eat, drink or smoke when handling or dealing with spilled material. Wear prescribed protective clothing. If specialised clothing is required to deal with the spillage, take note of any information in Section VIII on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**6.2 Environmental precautions:** Isolate and dyke fire control water to avoid contamination of surface waters, drains or ground water, since product is toxic to aquatic organisms.

Collect material in dry, clean, closed and suitable containers for later disposal and/or reclamation. Inform authorities if there is any spillage incident or accident.

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). The product is toxic to the aquatic environment. Keep people and animals away

### 6.3 Methods and materials for containment and cleaning up:

**Small spill :** Collect spilled material using an absorbing material (e.g.sand, silica gel, universal binder). Do not touch spilled material. Stop spillage if this can be done without risk. Use water sprays to reduce vapour. Place spilled material in clean, dry suitable containers and take away from contaminated area.

**Large spill :** Confine the area and dike spillage for later disposal, away from the contaminated area. Wash contaminated area with water and soap and collect washing waters in dry, clean suitable containers for later disposal.

Decontaminate all used tools, equipment and cleaning material. Move containers from spill area. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.

**6.4 Reference to other sections:** See Section I for emergency contact information, Section VIII for information on appropriate personal protective equipment and Section XIII for waste disposal.

## 7.0 HANDLING AND STORAGE

### 7.1 Precautions for safe handling:

**Protective measures:** Put on appropriate personal protective equipment (see Section VIII). Use precautions for safe handling of powdery products (overalls, chemical resistant gloves, mask). Keep out of the reach of children. Use only in area provided with appropriate exhaust ventilation. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. Avoid contact with eyes, skin or clothes. Observe normal precautions for the handling of chemical products. Keep away from sparks, open flame and excessive heat. No special precautions when handling closed and packaged pallets or containers.

**Advice on general occupational hygiene:** Eating, drinking and smoking should be forbidden in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and

smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section VIII for additional information on hygiene measures. Wear personal protective equipment. Use only clean equipment. Provide appropriate exhaust ventilation at places where dust is formed. Do not breathe dust or spray mist. Use prepared working solution as soon as possible. In case of insufficient ventilation, wear suitable respiratory equipment. Prepare the working solution as given on the label(s) and/or the user instructions. Avoid exceeding of the given occupational exposure limits (see section VIII). For personal protection see section VIII.

**7.2 Conditions for safe storage, including any incompatibilities:** Store in restricted areas. Keep away from humidity, from sunlight and sources of heat, open flame and sparks. Store tightly closed in a dry, cool and well-ventilated and in a place accessible only to authorized persons. Protect of freezing. Do not store together with incompatible materials, strong oxidisers or in conditions of excessive heat. Store locked up or in an area accessible only to qualified or authorised persons. Keep container tightly closed and sealed until ready for use in a dry, cool and well-ventilated place. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Store in original container. Keep containers tightly closed. Keep in properly labelled containers. Keep out of the reach of children. Keep away from food, drink and animal feedingstuffs.

Use appropriate containment to avoid environmental contamination. Do not eat, drink or smoke in areas which may be contaminated with the product. Keep away from food, feed and drink.

Store in accordance with local regulations. Store in the original container protected from direct sunlight, away from incompatible materials (see Section X).

**7.3 Specific end use(s) Recommendations:** Those included in the label: Plant protection products subject to Regulation (EC) No 1107/2009 as INSECTICIDE-NEMATOCIDE

Stable for at least 2 years when stored in original containers for sale closed at room temperature.

**Risk Mitigation during Handling:**

No activities involving contact with the treated crop area or until the product deposited is dry and at least 24 hours after application. Wash all protective clothing after use.

**Storage:** Keep dry and frostproof in a suitable pesticide store. Store separately from food, drink and animal feed

## 8.0 EXPOSURE CONTROL/PERSONAL PROTECTION

### 8.1 Control parameters:

Exposure limit: No occupational exposure limits established by OSHA, NIOSH.

**Hygiene measures:** Immediately remove all contaminated clothing, and reuse them only when they are subjected to a thorough cleaning. After work, wash hands immediately, if necessary take a shower. Do not eat, drink or smoke during work.

### 8.2 Exposure controls:

- **Control of occupational exposure:** Risk Assessment

- **Control of professional exposure:** Risk evaluation

### Respiratory protection:



Respiratory mask. Autonomous breathing apparatus in case of accident and during loading/mixing, application, repair and elimination of pesticide. General ventilation system to

reduce air concentration level. Always follow the manufacturer's instructions regarding the use and maintenance of the autonomous breathing apparatus Manufacturing and processing work: Half mask with a particle filter FFP3 (EN149)  
Mixer and loaders and applicators must wear: Half mask with vapour filter A3 (EN 141)

**Hand protection:**



Protective gloves made of nitrile rubber waterproof CE Marked according standard EN374 (thickness 0.30 mm, Class 6). Wash when contaminated. Replace in case of contamination when contaminated inside, when perforated or when contamination outside cannot be removed.

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. The suitability for a specific workplace should be discussed with the producers of the protective gloves. Gloves must be inspected prior to use. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Gauntlets shorter than 35 cm long shall be worn under the combination sleeve. Before removing gloves clean them with soap and water.

**Eye protection:**



Wear adjustable splash-proof safety goggles, glasses with side-shields or mask which resist dust of chemical products and organic solvents according to EN166 (Field of use 5 or equivalent). Avoid using contact lenses.

### Skin protection and body:



Wear suitable waterproof protective clothing and apron which do not accumulate dust and resistant to organic products: Standard coverall and type 5-6 suit, long-sleeved overalls (cotton) under chemical protection suit with chemical-resistant boots.

1) Manufacturing and processing work: Full protective clothing Type 5 (EN 13982-2)  
2) Mixer and loaders and applicators must wear: Full protective clothing Type 5 + 6 (EN ISO 13982-2 / EN 13034) Rubber apron Rubber or plastic boots

Change clothes if these are contaminated with the product. Wash after handling, especially hands and parts of the body which may have been exposed, if necessary take a shower.

Launder clothes separately professionally, frequently and before reuse. Install safety showers and eye-washing facilities. Do not smoke, eat or drink during handling.

**Environmental exposure controls:** Do not apply immediately after rain or irrigation, when or in adverse weather conditions. Avoid the contamination of waters. Toxic to aquatic organisms. May cause long-term effects in the aquatic environment.

Handling Risk Mitigation: Ensure natural or mechanical ventilation, control of ignition sources, the fire control measures and the availability of showers / eyewash station in work zones closed. Wash after handling, especially the hands and body parts that have been exposed. Wash clothing separately before reuse. Do not smoke, eat or drink while handling the product

## 9.0 PHYSICAL AND CHEMICAL PROPERTIES

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

**Appearance:** Transparent liquid.

**Physical state:** liquid.

**Colour:** purple-violet

**Odour:** Slight. Characteristic like sulphur.

**pH:** 5.5-7.5 (1%).

**Melting point/freezing point :** Not applicable.

**Initial boiling point and boiling range:** Not available.

**Flash point :** not flammable > 61 ° C.

**Evaporation rate :** Not available

**Flammability (solid, gas) :** No auto-flammable.

**Upper/lower flammability or explosive limits:** No data available

**Vapour pressure(25°C):**

**Relative density(20°C):** 1.037- 1.042g/cc

**Solubility:** Hydrosolubility: Soluble.

-Liposolubility (solvent oil to be specified): Not available..

**Partition coefficient: n-Octanol/water:**  $\log P_{ow} = -0.44$  (pH 5) (technical oxamyl)

**Auto\_ignition temperature :** Not available

**Decomposition temperature:** Not available

**Viscosity:** OECD 114: 4.54 cPs (spindle 1.50 r.p.m.)

**Explosive properties:** Not explosive. None (based on their ingredients do not have this property).

**Oxidizing properties:** None (based on their ingredients do not have this property).

**Melting point:** Not applicable. It is a liquid.

**9.2 Other Information:** None.

## 10.0 STABILITY AND RELIABILITY

**10.1 Reactivity:** In the case of fire toxic gases release. No hazardous polymerization.

**10.2 Chemical stability:** Stable under normal temperatures and pressure.

**10.3 Possibility of hazardous reactions:** Under normal conditions of storage and use, hazardous reactions will not occur. In the case of fires, toxic gases release.

**10.4 Conditions to Avoid:** Avoid contact with heat sources, open flame or other sources of ignition. The technical substance is toxic by inhalation and if swallowed. Avoid breathing vapours and contact with skin and eyes. Avoid contamination of water supplies.

Avoid contact with strong oxidisers. Incompatible with alkaline substances.

**10.5 Incompatible materials:** Incompatible with alkali and strong oxidisers.

**10.6 Hazardous decomposition products:** Thermal decomposition of the product may include toxic and hazardous vapours of carbon and nitrogen oxides. No decomposition if stored and handled as indicated.

## 11.0 TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects:

#### 11.1.1. Acute toxicity

<u>Acute toxicity</u>	<u>OXAMYL</u>	<u>AFROMYL10 SL</u>
Acute toxicity – ORAL DL <sub>50</sub> mg/kg (rats)	♂: 3.1 ♀: 2.5	5 mg/kg H300
Acute toxicity – DERMAL DL <sub>50</sub> mg/kg (rabbits) percutaneous	♂: 5027 ♀: >2000	>2000 mg/kg
Acute toxicity – INHALATION CL <sub>50</sub> mg/L 4h. (rats)	0.056	NDA (*) H330

(\*)Oxamyl is very toxic upon inhalation, classified H330, thus, according to Directive 1272/2008 labelling Very toxic, H330 is triggered by the a.i. content of 10% (> 7%, trigger value) of the formulated product.

#### 11.1.2 Irritation:

- ♦ **Eye irritation:** Not classified as eye irritant (rabbits)
- ♦ **Skin irritation :** Not classified as skin irritant (rabbits)

**11.1.3 Corrosivity:** Not considered as corrosive.

**11.1.4 Sensitisation:** Not classified as skin sensitizer.

**11.1.5 Repeated dose toxicity:** No data available.

**11.1.6 Carcinogenicity:** Not observed.

**Conclusion/Summary:** Did not show carcinogenic effects in animal experiments.

#### 11.1.7 Mutagenicity:

**Conclusion/Summary:** Did not show mutagenic effects in animal experiments.

#### 11.1.8 Toxicity for reproduction:

**Conclusion/Summary:** Animal testing did not show any effect on fertility or fetal development.

#### 11.2 Effect on likely routes of exposure:

**Inhalation:** Very toxic by inhalation. May cause respiratory tract irritation.

**Ingestion:** Very toxic if swallowed. May cause digestive tract irritation.

**Skin contact:** Not classified as skin irritant nor skin sensitizer.

**Eye contact:** Not classified as eye irritant

**11.3 Symptoms related to the physical, chemical and toxicological information:** Not likely symptoms development The above in Section III: Irritation of eyes and mucous membranes. Gastrointestinal and respiratory disorders.

**11.4 Effects chronically delayed and immediate exposure:** Very toxic by inhalation and if swallowed.

**11.5 Effects Interactive:** Not available.

## 12.0 ECOLOGICAL INFORMATION

### 12.1 Toxicity:

#### Acute aquatic toxicity:

**Aquatic Toxicity:** Oxamyl 100 g/L SL is Toxic to aquatic organisms.

##### Acute:

**Toxicity to Fish:** Toxic to fish

Rainbow trout (*Oncorhynchus mykiss*): CL<sub>50</sub> (96h.)=51.6 mg/l; NOEC:9.4 mg/L; LOEC:45.5 mg/L

**Toxicity Daphnia:** Daphnia (48h.) LC<sub>50</sub>=1.20 mg/L; Semi-static 48h. NOEC≤0.43mg/L; Semi-static 48h. LOEC:0.43mg/L

**Toxicity Algae and other Aquatic Plants:** *Pseudo kirchneriella subcapitata* 72h. ErC<sub>50</sub>>100 mg/L nominal (>56 mg/L media); EyC<sub>50</sub>: 68.2 mg/L nominal (33.8 mg/L media);  
NOE<sub>r</sub>C:10 mg/L(nominal), 1mg/L(mean);LOE<sub>r</sub>C:32 mg/L(nominal), 13.4 mg/L(mean);  
NOE<sub>y</sub>C:10 mg/L (nominal), 1mg/L(mean);LOE<sub>y</sub>C:32 mg/L (nominal), 13.4 mg/L(mean);

**Chronic:** Not available

Toxicity to Fish: Not available

Toxicity Daphnia: Not available

Toxicity Algae and other Aquatic Plants: Not available.

#### Toxicity to soil micro and macroorganisms:

Microorganisms: Not available

Macroorganisms: *Aleochara bilineata*, (ER50) 2.263 L product/ha; *Poecilus cupreus*, (LR50) >20 L product/ha.; Pardosa (Araneae, Lycosidae) (LR50)= 10.008 L formulation/ha)

Toxicity bees: Not available.

Toxicity plants: Not available

#### Acute toxicity on other environmentally relevant organisms: (Oxamyl tech.)

Toxicity birds: LD<sub>50</sub> acute for mallard ducks ♀: 3.16 mg/kg

Toxicity bees: Technical oxamyl is toxic to bees: LD<sub>50</sub> (48h. oral) 0.38 µg/bee; LD<sub>50</sub> (48h. contact) 0.47 µg/bee

Toxicity plants: Not available

**Toxicity to e-worms:** laboratory *Eisenia foetida* LC<sub>50</sub> 385 mg a.i./kg soil dry weight.

**12.2 Persistence and degradability:** Active substance is not readily biodegradable.

**12.3 Bioaccumulative potential:** Does not bioaccumulate. Estimation based on data obtained on active ingredient.  $K_{ow} \log P = -0.44$  (pH 5) (technical oxamyl). This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT) nor very persistent or very bioaccumulating (vPvB).

**12.4 Mobility in soil:** No data available. Potentially mobile, but the leaching potential is mitigated by rapid degradation in viable agricultural soils

**12.5 Results of PBT and vPvB assessment:** This preparation contains no substance considered to be persistent, bioaccumulative and toxic (PBT). This preparation contains no substance considered to be very persistent or bioaccumulative (vPvB).

**12.6 Other adverse effects:** -None

## 13.0 DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods:

#### Suitable disposal methods of preparation:

The product must be eliminated taking into account that it is a dangerous product, both as regards the substance itself and the container. Incineration with gas-washing equipment in a suitable incineration plant holding a permit delivered by the competent authorities or disposal in approved waste collection points. Local and state laws must be observed. See Directive 91/156. Compare with National, Autonomous and Local Authorities Dispositions.

**Suitable disposal methods for Packaging:** Rinse each container energetically three times and pour the rinsing waters into the sprayer tank. When empty, this container is a toxic residue. After having made the container unusable, the user is required to return it to a reception point of the integrated management system (Integrated Management System for Phytosanitary Packaging) or to the sale point where it was purchased.

Containers completely emptied must not be released into the environment. Do not use containers for other products.

#### NOTE:

Avoid dispersal of spilled material and runoff in contact with soil, waterways, drains and sewers.

Observe all federal, state and local regulations when disposing of this substance. Disposal must be in accordance with standards applicable to generators of hazardous wastes.

Procedure: For disposal, incinerate this material at a facility that complies with local, state, and federal regulations.

## 14.0 TRANSPORT INFORMATION

### Road Transport (ADR/RID) - Maritime (IMDG)

**14.1 UN number:** 2992.

#### 14.2 UN proper shipping name:

ADR: "UN2992, Carbamate pesticide, liquid, toxic, n.o.s.(oxamyl), 6.1, I, (C/E)".

IMDG: "UN2992, Carbamate pesticide, liquid, toxic, n.o.s.(oxamyl), 6.1, I".

**14.3 Transport hazard class(es):** 6.1.

**14.4 Packing group:** I.

**14.5 Environmental hazards:**

ADR /RID: Dangerous for the environment

IMDG: Marine pollutant

**14.6 Special precautions for user:**

**Additional information:**

**ADR/RID:**

**Hazard identification number:** 60

**Denomination:**

**Maritime Transport (IMDG): IMDG (page):** 6219

**14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code:** Bulk transport is not authorized. Admitted only in the authorized packaging.

## 15.0 REGULATORY INFORMATION

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

Directive 91/689/EEC on hazardous waste.

Directive 91/156/EEC on waste.

EC Regulation 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals REACH. Regulation (EU) No. 453/2010, amending Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Regulation (EU) No. 2015/830, amending Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Regulation (EC) 1272/2008 on classification, labelling and packaging of substances and mixtures.

European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR).

International Maritime Dangerous Goods (IMDG: International Maritime Dangerous Goods)

Dangerous Goods Regulations by the International Air Transport Association (IATA: International Air Transport Association)

**15.2 Chemical safety assessment:** chemical safety assessment for the mixture has not been carried out.

## 16.0 OTHER INFORMATION

The information contained herein relates only to the specified material identified. CIBA AGRIPHARMA, believes that such information is accurate and reliable as of the data of this material safety data sheet, but no representation, guarantee or warranty, expressed or implied, is made as to the accuracy, reliability, or completeness of the information. CIBA AGRIPHARMA urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application.