

# SAFETY DATA SHEET



## STEWARD 30 WG

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

#### 1.1 Product identifier

**Product name** STEWARD 30 WG

#### Other means of identification

**Product code** 50000054

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

Use of the Sub-  
stance/Mixture : Insecticide

Recommended restrictions : Use as recommended by the label.  
on use

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

##### Supplier Address

FMC Chemicals (Pty) Ltd  
Company Registration Number: 1988/001451/07  
West End Office Park, Building C  
Cnr. West Ave & Hall Street  
Centurion, 0014

E-mail address: SDS-Info@fmc.com (E-Mail General Information)

#### 1.4 Emergency telephone

For leak, fire, spill or accident emergencies, call:  
South Africa: 0-800-983-611 (CHEMTREC)

Medical emergency:  
For any emergency or poisoning contact: Griffon Poison Information Centre (24 hrs) - +27-(0)-82-446-8946

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### **Classification (REGULATION (EC) No 1272/2008)**

Acute toxicity, Category 4 H302: Harmful if swallowed.

Specific target organ toxicity - single ex- H371: May cause damage to organs.

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posure, Category 2, Central nervous system

Specific target organ toxicity - single exposure, Category 3, Respiratory system

H335: May cause respiratory irritation.

Specific target organ toxicity - repeated exposure, Category 1

H372: Causes damage to organs through prolonged or repeated exposure.

Long-term (chronic) aquatic hazard, Category 1

H410: Very toxic to aquatic life with long lasting effects.

### 2.2 Label elements

#### Labeling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal Word : Danger

Hazard Statements :

- H302 Harmful if swallowed.
- H335 May cause respiratory irritation.
- H371 May cause damage to organs (Central nervous system).
- H372 Causes damage to organs through prolonged or repeated exposure.
- H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements :

**Prevention:**

- P260 Do not breathe dust.
- P264 Wash skin thoroughly after handling.
- P273 Avoid release to the environment.

**Response:**

- P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
- P308 + P311 IF exposed or concerned: Call a POISON CENTER/ doctor.
- P391 Collect spillage.

Hazardous ingredients which must be listed on the label:

Lignin, alkali, reaction products with formaldehyde and sodium bisulfite  
indoxacarb (ISO)

#### Additional Labeling

EUH208 Contains indoxacarb (ISO). May produce an allergic reaction.

The following percentage of the mixture consists of ingredient(s) with unknown hazards to the aquatic environment: 45 %

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### 2.3 Other hazards

This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).  
This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Lignin, alkali, reaction products with formaldehyde and sodium bisulfite	68512-35-6	Eye Irrit. 2; H319 STOT SE 3; H335 (Respiratory system)	>= 30 - < 50
indoxacarb (ISO)	173584-44-6 607-700-00-0	Acute Tox. 3; H301 Acute Tox. 4; H332 Skin Sens. 1B; H317 STOT SE 2; H371 (Central nervous system, Blood) STOT RE 1; H372 (Heart, Nervous system, Blood) Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 25 - < 30
Silica gel, crude pored massive	112926-00-8		>= 10 - < 20

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first-aid measures

General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.

If inhaled : If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.

In case of eye contact : Flush eyes with water as a precaution.

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Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.

If swallowed : Induce vomiting immediately and call a physician.  
Keep respiratory tract clear.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.  
Take victim immediately to hospital.

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

Risks : Harmful if swallowed.  
May cause respiratory irritation.  
May cause damage to organs.  
Causes damage to organs through prolonged or repeated exposure.

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

Treatment : Treat symptomatically.

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**SECTION 5: Firefighting measures****5.1 Extinguishing media**

Suitable extinguishing media : Dry chemical, CO<sub>2</sub>, water spray or regular foam.

Unsuitable extinguishing media : Do not spread spilled material with high-pressure water streams.

**5.2 Special hazards arising from the substance or mixture**

Specific hazards during fire fighting : Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : Thermal decomposition can lead to release of irritating gases and vapors.  
Halogenated compounds  
Fluorinated compounds  
Nitrogen oxides (NO<sub>x</sub>)  
Carbon oxides

**5.3 Advice for firefighters**

Special protective equipment for fire-fighters : Firefighters should wear protective clothing and self-contained breathing apparatus.

Specific extinguishing methods : Use a water spray to cool fully closed containers.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

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Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Standard procedure for chemical fires.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions : Use personal protective equipment.  
Avoid dust formation.  
Avoid breathing dust.  
Evacuate personnel to safe areas.  
If it can be safely done, stop the leak.  
Do not touch or walk through the spilled material.  
Never return spills in original containers for re-use.  
For disposal considerations see section 13.

**6.2 Environmental precautions**

Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

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

Methods for cleaning up : Keep in suitable, closed containers for disposal.

**6.4 Reference to other sections**

See sections: 7, 8, 11, 12 and 13.

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**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

Advice on safe handling : Avoid formation of respirable particles.  
Do not breathe vapors/dust.  
Avoid exposure - obtain special instructions before use.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed.

Normal measures for preventive fire protection.

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Hygiene measures : When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

General industrial hygiene practice. Avoid contact with skin, eyes and clothing. Do not breathe dust or spray mist.

**7.2 Conditions for safe storage, including any incompatibilities**

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully re-sealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

Further information on storage stability : No decomposition if stored and applied as directed.

**7.3 Specific end use(s)**

Specific use(s) : Registered pesticide to be used in accordance with a label approved by country-specific regulatory authorities.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters**

Contains no substances with occupational exposure limit values.

**Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:**

Substance name	End Use	Routes of exposure	Potential health effects	Value
Silica gel, crude pored massive	Workers	Inhalation	Long-term systemic effects	4 mg/m3

**8.2 Exposure controls****Personal protective equipment**

Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles

Hand protection  
Material : Protective gloves

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Skin and body protection : Dust impervious protective suit  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Filter type : Particulates type (P)

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Protective measures : Plan first aid action before beginning work with this product.

### SECTION 9: Physical and chemical properties

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

Appearance	: dry, free flowing granules
Color	: dark brown
Odor	: mild, woody
Odor Threshold	: not determined No data available
pH	: 7.5 (20 °C) Concentration: 10 g/l
Melting point/range	: Not available for this mixture.
Boiling point/boiling range	: No data available
Flash point	: Not applicable
Evaporation rate	: Not available for this mixture.
Upper explosion limit / Upper flammability limit	: Not available for this mixture. No data available
Lower explosion limit / Lower flammability limit	: Not available for this mixture. No data available
Vapor pressure	: No data available
Relative vapor density	: Not available for this mixture.
Relative density	: 0.8
Density	: No data available
Bulk density	: 800 kg/m <sup>3</sup>
Solubility(ies) Water solubility	: dispersible
Partition coefficient: n-octanol/water	: Not applicable

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Autoignition temperature	:	No data available
Decomposition temperature	:	Not available for this mixture.
		No data available
Viscosity		
Viscosity, dynamic	:	Not applicable
Viscosity, kinematic	:	Not applicable
Explosive properties	:	Not explosive
		Not explosive
Oxidizing properties	:	The product is not oxidizing.
		Method: Directive 67/548/EEC, Annex V, A.17.

### 9.2 Other information

Self-ignition	:	not auto-flammable
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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions	:	No decomposition if stored and applied as directed.
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Dust may form explosive mixture in air.

### 10.4 Conditions to avoid

Conditions to avoid	:	Avoid dust formation. Heat, flames and sparks.
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### 10.5 Incompatible materials

Materials to avoid	:	Avoid strong acids, bases, and oxidizers.
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### 10.6 Hazardous decomposition products

No data available



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**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity****Product:**

Acute oral toxicity : LD50 (Rat, male): 1,876 mg/kg  
Method: OECD Test Guideline 401  
Assessment: The component/mixture is moderately toxic after single ingestion.

LD50 (Rat, female): 687 mg/kg  
Method: OECD Test Guideline 401  
Assessment: The component/mixture is moderately toxic after single ingestion.

Acute inhalation toxicity : LC50 (Rat): > 5.6 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403  
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rat): > 5,000 mg/kg  
Method: OECD Test Guideline 402  
Assessment: The substance or mixture has no acute dermal toxicity

**Components:****indoxacarb (ISO):**

Acute oral toxicity : LD50 (Rat, female): 179 mg/kg  
Remarks: nervous system effects such as  
Hypoactivity  
Tremors  
Incoordination  
Abnormal tearing  
mortality  
Motor Activity effects

Acute inhalation toxicity : LC50 (Rat): 4.2 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

Acute dermal toxicity : LD50 (Rat): > 5,000 mg/kg

**Silica gel, crude pored massive:**

Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg  
Method: OECD Test Guideline 401  
Remarks: Based on data from similar materials

Acute inhalation toxicity : LC0 (Rat, male and female): > 0.14 mg/l

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Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403  
Remarks: Based on data from similar materials  
no mortality

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg  
Remarks: Based on data from similar materials

### Skin corrosion/irritation

#### **Product:**

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : No skin irritation

#### **Components:**

##### **indoxacarb (ISO):**

Species : Rabbit  
Result : Mild skin irritant

Remarks : May cause skin irritation and/or dermatitis.

##### **Silica gel, crude pored massive:**

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : No skin irritation  
Remarks : Based on data from similar materials

### Serious eye damage/eye irritation

#### **Product:**

Species : Rabbit  
Method : OECD Test Guideline 405  
Result : No eye irritation  
Remarks : Product dust may be irritating to eyes, skin and respiratory system.

Remarks : Product dust may be irritating to eyes, skin and respiratory system.

#### **Components:**

##### **Lignin, alkali, reaction products with formaldehyde and sodium bisulfite:**

Result : Moderate eye irritation

##### **indoxacarb (ISO):**

Species : Rabbit  
Result : slight irritation

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Remarks : Product dust may be irritating to eyes, skin and respiratory system.

### **Silica gel, crude pored massive:**

Species : Rabbit  
Method : OECD Test Guideline 405  
Result : No eye irritation  
Remarks : Based on data from similar materials

### **Respiratory or skin sensitization**

#### **Product:**

Test Type : Maximization Test  
Species : Guinea pig  
Assessment : Did not cause sensitization on laboratory animals.  
Method : OECD Test Guideline 406  
Result : Animal test did not cause sensitization by skin contact.

### **Germ cell mutagenicity**

#### **Components:**

##### **indoxacarb (ISO):**

Genotoxicity in vitro : Result: negative  
Genotoxicity in vivo : Result: negative  
Germ cell mutagenicity- Assessment : Tests on bacterial or mammalian cell cultures did not show mutagenic effects., Animal testing did not show any mutagenic effects.

### **Silica gel, crude pored massive:**

Genotoxicity in vitro : Test Type: reverse mutation assay  
Method: OECD Test Guideline 471  
Result: negative  
Remarks: Based on data from similar materials  
Genotoxicity in vivo : Species: Rat (male)  
Application Route: Inhalation  
Result: negative  
Remarks: Based on data from similar materials

### **Carcinogenicity**

#### **Components:**

##### **indoxacarb (ISO):**

Result : negative  
Carcinogenicity - Assessment : Animal testing did not show any carcinogenic effects.

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### **Silica gel, crude pored massive:**

Species	: Rat
Application Route	: Oral
Exposure time	: 103 weeks
Method	: OECD Test Guideline 453
Result	: negative
Remarks	: Based on data from similar materials

### **Reproductive toxicity**

#### **Components:**

##### **indoxacarb (ISO):**

Reproductive toxicity - Assessment	: Animal testing did not show any effects on fertility., No toxicity to reproduction Animal testing did not show any effects on fetal development.
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### **Silica gel, crude pored massive:**

Effects on fetal development	: Test Type: Embryo-fetal development Species: Rat Application Route: Oral Result: negative Remarks: Based on data from similar materials
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### **STOT-single exposure**

#### **Components:**

##### **Lignin, alkali, reaction products with formaldehyde and sodium bisulfite:**

Assessment	: May cause respiratory irritation.
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##### **indoxacarb (ISO):**

Target Organs	: Central nervous system, Blood
Assessment	: The substance or mixture is classified as specific target organ toxicant, single exposure, category 2.

### **Repeated dose toxicity**

#### **Components:**

##### **indoxacarb (ISO):**

Species	: Rat
NOAEL	: 0.6 mg/kg
Application Route	: Oral
Exposure time	: 90 d
Target Organs	: Blood, Nervous system
Assessment	: The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 1.

### **Silica gel, crude pored massive:**

Species	: Rat, male and female
NOAEL	: 2,500 mg/kg

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Application Route : Oral  
Exposure time : 13 weeks  
Method : OECD Test Guideline 408  
Remarks : Based on data from similar materials

Species : Rat, male and female  
NOAEL : 1.3 - 10 mg/l  
LOAEL : 5.9 mg/l  
Application Route : Inhalation  
Exposure time : 13 weeks  
Method : OECD Test Guideline 413  
Remarks : Based on data from similar materials

### Further information

#### Product:

Remarks : No data available

#### Components:

##### **indoxacarb (ISO):**

Remarks : No data available

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Product:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 1.8 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 1.7 mg/l  
aquatic invertebrates : Exposure time: 48 h  
Method: OECD Test Guideline 202

Toxicity to algae/aquatic : EbC50 (Pseudokirchneriella subcapitata (green algae)): > 1.2  
plants : mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

Toxicity to terrestrial organ- : LD50: 508 mg/kg  
isms : Species: Colinus virginianus (Bobwhite quail)  
Method: US EPA Test Guideline OPP 71-1  
GLP:yes

LD50: 0.0016  
Exposure time: 48 h  
Species: Apis mellifera (bees)  
Method: OEPP/EPPO Test Guideline 170  
GLP:yes  
Remarks: Oral

LD50: 0.0013

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Exposure time: 48 h  
Species: Apis mellifera (bees)  
Method: OEPP/EPPO Test Guideline 170  
GLP:yes  
Remarks: Contact

### Components:

#### **Lignin, alkali, reaction products with formaldehyde and sodium bisulfite:**

##### **Ecotoxicology Assessment**

Acute aquatic toxicity : Toxic effects cannot be excluded  
Chronic aquatic toxicity : Toxic effects cannot be excluded

#### **indoxacarb (ISO):**

Toxicity to fish (Chronic toxicity) : NOEC: 0.15 mg/l  
Exposure time: 90 d  
Species: Oncorhynchus mykiss (rainbow trout)  
  
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0.9 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)  
  
Toxicity to terrestrial organisms : LD50: .0039  
Species: Apis mellifera (bees)  
  
LD50: 152 mg/kg  
Species: Colinus virginianus (Bobwhite quail)

#### **Silica gel, crude pored massive:**

Toxicity to fish : LC50 (Brachydanio rerio (zebrafish)): > 10,000 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203  
  
Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 10,000 mg/l  
Exposure time: 24 h  
Method: OECD Test Guideline 202  
Remarks: Based on data from similar materials  
  
Toxicity to algae/aquatic plants : NOELR (Desmodesmus subspicatus (green algae)): 10,000 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201  
Remarks: Based on data from similar materials

##### **Ecotoxicology Assessment**

Acute aquatic toxicity : This product has no known ecotoxicological effects.  
Chronic aquatic toxicity : This product has no known ecotoxicological effects.

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**12.2 Persistence and degradability****Components:****Lignin, alkali, reaction products with formaldehyde and sodium bisulfite:**

Biodegradability : Result: Not readily biodegradable.

**Silica gel, crude pored massive:**Biodegradability : Result: Not biodegradable  
Remarks: Based on data from similar materials**12.3 Bioaccumulative potential****Components:****indoxacarb (ISO):**Partition coefficient: n- : log Pow: 0.57 (20 °C)  
octanol/water**Silica gel, crude pored massive:**Bioaccumulation : Bioconcentration factor (BCF): 3.16  
Remarks: Based on data from similar materials**12.4 Mobility in soil**

No data available

**12.5 Results of PBT and vPvB assessment**

Not relevant

**12.6 Other adverse effects****Product:**

Additional ecological information : Environmental hazards  
This product is toxic to fish.  
Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark.  
Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.  
Do not apply where/when conditions favour runoff.  
Run-off from treated areas may be hazardous to aquatic organisms in neighboring areas.  
Very toxic to bees.  
Do not apply this product while bees are actively visiting the treatment area.  
See product label for additional application instructions relating to environmental precautions.

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Toxic to aquatic life with long lasting effects.

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**Components:****indoxacarb (ISO):**

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Very toxic to aquatic life with long lasting effects.  
Toxic to aquatic life with long lasting effects.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

Product : The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
Empty containers should be taken to an approved waste handling site for recycling or disposal.

Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.

**SECTION 14: Transport information****14.1 UN number**

IMDG : UN 3077  
IATA : UN 3077

**14.2 UN proper shipping name**

IMDG : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Indoxacarb)

IATA : Environmentally hazardous substance, solid, n.o.s. (Indoxacarb)

**14.3 Transport hazard class(es)**

IMDG : 9  
IATA : 9

**14.4 Packing group**

IMDG  
Packing group : III  
Labels : 9



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EmS Code : F-A, S-F

**IATA (Cargo)**

Packing instruction (cargo aircraft) : 956

Packing instruction (LQ) : Y956

Packing group : III

Labels : Miscellaneous

**IATA (Passenger)**

Packing instruction (passenger aircraft) : 956

Packing instruction (LQ) : Y956

Packing group : III

Labels : Miscellaneous

### 14.5 Environmental hazards

**IMDG**

Marine pollutant : yes

**IATA (Passenger)**

Environmentally hazardous : yes

**IATA (Cargo)**

Environmentally hazardous : yes

### 14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

## SECTION 15: Regulatory information

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

**The ingredients of this product are reported in the following inventories:**

TCSI : On the inventory, or in compliance with the inventory

TSCA : Product contains substance(s) not listed on TSCA inventory.

AIIC : Not in compliance with the inventory

DSL : This product contains the following components that are not on the Canadian DSL nor NDSL.

METHYL (S)-7-CHLORO-2,3,4A,5-TETRAHYDRO-2-  
{(METHOXYCARBONYL)[4-  
(TRIFLUOROMETHOXY)PHENYL]CARBAMOYL}INDENO[1,  
2-E][1,3,4]OXADIAZINE-4A-CARBOXYLATE  
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ENCS	:	Not in compliance with the inventory
ISHL	:	Not in compliance with the inventory
KECI	:	On the inventory, or in compliance with the inventory
PICCS	:	Not in compliance with the inventory
IECSC	:	Not in compliance with the inventory
NZIoC	:	Not in compliance with the inventory
TECI	:	Not in compliance with the inventory

## 15.2 Chemical Safety Assessment

## SECTION 16: Other information

## Full text of H-Statements

H301	:	Toxic if swallowed.
H317	:	May cause an allergic skin reaction.
H319	:	Causes serious eye irritation.
H332	:	Harmful if inhaled.
H335	:	May cause respiratory irritation.
H371	:	May cause damage to organs.
H372	:	Causes damage to organs through prolonged or repeated exposure.
H400	:	Very toxic to aquatic life.
H410	:	Very toxic to aquatic life with long lasting effects.

## Full text of other abbreviations

Acute Tox.	:	Acute toxicity
Aquatic Acute	:	Short-term (acute) aquatic hazard
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Eye Irrit.	:	Eye irritation
Skin Sens.	:	Skin sensitization
STOT RE	:	Specific target organ toxicity - repeated exposure
STOT SE	:	Specific target organ toxicity - single exposure

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China;

# SAFETY DATA SHEET



## STEWARD 30 WG

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IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Other information :

### Classification of the mixture:

Acute Tox. 4	H302
STOT SE 2	H371
STOT SE 3	H335
STOT RE 1	H372
Aquatic Chronic 1	H410

### Classification procedure:

Based on product data or assessment
Based on product data or assessment
Calculation method
Calculation method
Calculation method

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