

# SAFETY DATA SHEET



## APACHE® 10G

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: -           |
| 1.0     | 2023/10/11     | 50000736    | Date of first issue: 2023/10/11 |

---

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : APACHE® 10G

#### Recommended use of the chemical and restrictions on use

Recommended use : Can be used as insecticide only.

Restrictions on use : Use as recommended by the label.

#### Manufacturer or supplier's details

Company : FMC Agro Philippines, Inc.

Address : Unit 10-A Six/NEO Bldg.  
5th Avenue cor. 26th Street,  
1634 Bonifacio Global City, Taguig City  
Philippines

Telephone : +63279443400

Telefax : +63279443465

E-mail address : SDS-Info@fmc.com

National Poison Control Center : U.P. PGH, Padre Faura, Manila (+63) 2 8524 1078  
East Avenue, Quezon City (+63) 2 8928 0611  
Southern Philippines Medical Center (+63) 82 227 2731  
(formerly Davao Medical Center Davao City)

Emergency telephone : For leak, fire, spill or accident emergencies, call:  
+(63) 2-395-3308 (CHEMTREC)  
Toll-free mobile enabled: 1800 1 322 0553 (CHEMTREC)

Medical emergency:  
All other countries: +1 651 / 632-6793 (Collect)

---

### 2. HAZARDS IDENTIFICATION

#### GHS Classification

Acute toxicity (Oral) : Category 4

Acute toxicity (Dermal) : Category 2

Skin sensitization : Category 1

Specific target organ toxicity - single exposure : Category 1 (Nervous system)

# SAFETY DATA SHEET



## APACHE® 10G

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: -           |
| 1.0     | 2023/10/11     | 50000736    | Date of first issue: 2023/10/11 |

Specific target organ toxicity - repeated exposure : Category 1 (Nervous system)

Short-term (acute) aquatic hazard : Category 1

Long-term (chronic) aquatic hazard : Category 1

### GHS label elements

Hazard pictograms :



Signal Word : Danger

Hazard Statements :  
H302 Harmful if swallowed.  
H310 Fatal in contact with skin.  
H317 May cause an allergic skin reaction.  
H370 Causes damage to organs (Nervous system).  
H372 Causes damage to organs (Nervous system) through prolonged or repeated exposure.  
H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements :  
**Prevention:**  
P260 Do not breathe dust.  
P262 Do not get in eyes, on skin, or on clothing.  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ protective clothing.

### Response:

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.  
P302 + P352 + P310 IF ON SKIN: Wash with plenty of water. Immediately call a POISON CENTER/ doctor.  
P308 + P311 IF exposed or concerned: Call a POISON CENTER/ doctor.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P361 + P364 Take off immediately all contaminated clothing and wash it before reuse.  
P391 Collect spillage.

### Storage:

P405 Store locked up.

### Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

# SAFETY DATA SHEET



## APACHE® 10G

Version 1.0      Revision Date: 2023/10/11      SDS Number: 50000736      Date of last issue: -  
Date of first issue: 2023/10/11

### Other hazards which do not result in classification

None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Components

| Chemical name   | CAS-No.    | Concentration (% w/w) |
|---|------------|-----------------------|
| Phosphorodithioic acid, O-ethyl S,S-bis(1-methylpropyl) ester | 95465-99-9 | 10                    |
| Cellulose   | 9004-34-6  | >= 70 -< 95           |

### 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.  
Consult a physician.  
Show this safety data sheet to the doctor in attendance.  
Symptoms of poisoning may appear several hours later.  
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 skin contact : Take victim immediately to hospital.  
If on skin, rinse well with water.  
If on clothes, remove clothes.
- In case of eye contact : Flush eyes with water as a precaution.  
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.
- Most important symptoms and effects, both acute and delayed : Harmful if swallowed.  
Fatal in contact with skin.  
May cause an allergic skin reaction.  
Causes damage to organs.  
Causes damage to organs through prolonged or repeated exposure.
- Notes to physician : Treat symptomatically.

# SAFETY DATA SHEET



## APACHE® 10G

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: -           |
| 1.0     | 2023/10/11     | 50000736    | Date of first issue: 2023/10/11 |

### 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Dry chemical, CO<sub>2</sub>, water spray or regular foam.
- Unsuitable extinguishing media : High volume water jet
- 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 toxic and irritating vapors.  
Carbon oxides  
phosphorus oxides  
Sulfur oxides
- Specific extinguishing methods : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.

### 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Avoid dust formation.  
Avoid breathing dust.
- 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.
- Methods and materials for containment and cleaning up : Keep in suitable, closed containers for disposal.

### 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Avoid dust formation.  
Provide appropriate exhaust ventilation at places where dust is formed.
- Advice on safe handling : Avoid formation of respirable particles.  
Do not breathe vapors/dust.  
Avoid exposure - obtain special instructions before use.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Dispose of rinse water in accordance with local and national regulations.

# SAFETY DATA SHEET



## APACHE® 10G

Version 1.0      Revision Date: 2023/10/11      SDS Number: 50000736      Date of last issue: -  
Date of first issue: 2023/10/11

Persons susceptible to skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Conditions for safe storage : Prevent unauthorized access.  
Keep container tightly closed in a dry and well-ventilated place.  
Containers which are opened must be carefully resealed 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.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

| Components  | CAS-No.    | Value type<br>(Form of exposure)   | Control parameters / Permissible concentration | Basis |
|---|------------|------------------------------------|--|-------|
| Cellulose   | 9004-34-6  | TWA                                | 10 mg/m <sup>3</sup>                           | ACGIH |
| Phosphorodithioic acid, O-ethyl S,S-bis(1-methylpropyl) ester | 95465-99-9 | TWA (Inhalable fraction and vapor) | 0.001 mg/m <sup>3</sup>                        | ACGIH |

#### Personal protective equipment

Respiratory protection : In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

Hand protection  
Material : Wear chemical resistant gloves, such as barrier laminate, butyl rubber or nitrile rubber.

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

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

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.

Hygiene measures : Avoid contact with skin, eyes and clothing.  
When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and immediately after handling the product.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

# SAFETY DATA SHEET

## APACHE® 10G



|                |                              |                         |  |
|----------------|------------------------------|-------------------------|--|
| Version<br>1.0 | Revision Date:<br>2023/10/11 | SDS Number:<br>50000736 | Date of last issue: -<br>Date of first issue: 2023/10/11 |
|----------------|------------------------------|-------------------------|--|

|  |                                     |
|--|-------------------------------------|
| Physical state                         | : solid                             |
| Form                                   | : granules                          |
| Color                                  | : dark green                        |
| Odor                                   | : ester-like                        |
| pH                                     | : 7.1<br>In a 1% aqueous dispersion |
| Melting point/freezing point           | : No data available                 |
| Boiling point/boiling range            | : No data available                 |
| Flash point                            | : Not applicable                    |
| Flammability (solid, gas)              | : Not highly flammable              |
| Self-ignition                          | : No data available                 |
| Relative density                       | : 0.81 - 0.89                       |
| Density                                | : 0.75 - 0.9 g/cm <sup>3</sup>      |
| Bulk density                           | : 45 - 55 kg/m <sup>3</sup>         |
| Solubility(ies)<br>Water solubility    | : emulsifiable                      |
| Partition coefficient: n-octanol/water | : Not applicable                    |
| Viscosity<br>Viscosity, kinematic      | : Not applicable                    |
| Explosive properties                   | : Not explosive                     |
| Oxidizing properties                   | : The product is not oxidizing.     |

### 10. STABILITY AND REACTIVITY

|                    |   |
|--------------------|---|
| Reactivity         | : No decomposition if stored and applied as directed.   |
| Chemical stability | : Cadusafos may decompose rapidly when heated, which can result in sexplosion. It is recommended not to heat. Direct heating such as electric heating or by steam must be avoided. The decomposition is to a considerable extent dependent on |

# SAFETY DATA SHEET



## APACHE® 10G

|                |                              |                         |  |
|----------------|------------------------------|-------------------------|--|
| Version<br>1.0 | Revision Date:<br>2023/10/11 | SDS Number:<br>50000736 | Date of last issue: -<br>Date of first issue: 2023/10/11 |
|----------------|------------------------------|-------------------------|--|

time as well as temperature due to self-accelerating exothermic and autocatalytic reactions.  
The reactions involve rearrangements and polymerisation releasing volatile malodorous and inflammable compounds such as dialkyl sulphides and alkyl mercaptans.

|                                    |   |  |
|------------------------------------|---|--|
| Possibility of hazardous reactions | : | No decomposition if stored and applied as directed.<br>Dust may form explosive mixture in air. |
| Conditions to avoid                | : | Heat, flames and sparks.   |
| Incompatible materials             | : | Strong oxidizing agents<br>Strong acids and strong bases                                       |
| Hazardous decomposition products   | : | Carbon oxides<br>Sulfur oxides<br>phosphorus oxides  |

### 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Harmful if swallowed.  
Fatal in contact with skin.

#### Product:

|                           |   |  |
|---------------------------|---|--|
| Acute oral toxicity       | : | LD50 (Rat, male): 679 mg/kg<br>LD50 (Rat, female): 391 mg/kg   |
| Acute inhalation toxicity | : | LC50 (Rat, male and female): >0.031 ppm<br>Exposure time: 4 h<br>Test atmosphere: dust/mist<br>Assessment: The substance or mixture has no acute inhalation toxicity |
| Acute dermal toxicity     | : | LD50 (Rabbit, male): 155 mg/kg<br>LD50 (Rabbit, female): 143 mg/kg   |

#### Components:

##### **Phosphorodithioic acid, O-ethyl S,S-bis(1-methylpropyl) ester:**

|                           |   |  |
|---------------------------|---|--|
| Acute oral toxicity       | : | LD50 (Rat, female): 34 - 51 mg/kg<br>Method: US EPA Test Guideline OPP 81-1<br>Symptoms: Diarrhea, hemorrhage<br>LD50 (Mouse): 71.4 mg/kg  |
| Acute inhalation toxicity | : | LC50 (Rat, male and female): 0.026 mg/l<br>Exposure time: 4 h<br>Test atmosphere: dust/mist<br>Method: US EPA Test Guideline OPP 81-3<br>Symptoms: Breathing difficulties, Tremors |

# SAFETY DATA SHEET



## APACHE® 10G

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: -           |
| 1.0     | 2023/10/11     | 50000736    | Date of first issue: 2023/10/11 |

---

Acute dermal toxicity : LD50 (Rabbit, male): 7 - 17 mg/kg  
Method: US EPA Test Guideline OPP 81-2

LD50 (Rabbit, female): 5 - 16 mg/kg  
Method: US EPA Test Guideline OPP 81-2

### Cellulose:

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

Acute inhalation toxicity : LC50 (Rat): > 5.8 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity

### Skin corrosion/irritation

Not classified based on available information.

### Product:

Species : Rabbit  
Result : No skin irritation

Remarks : May cause skin irritation and/or dermatitis.

### Components:

#### Phosphorodithioic acid, O-ethyl S,S-bis(1-methylpropyl) ester:

Species : Rabbit  
Result : No skin irritation

### Cellulose:

Species : Rabbit  
Result : No skin irritation

### Serious eye damage/eye irritation

Not classified based on available information.

### Product:

Species : Rabbit  
Result : No eye irritation  
Remarks : Minimal effects that do not meet the threshold for classification.

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



# SAFETY DATA SHEET



## APACHE® 10G

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: -           |
| 1.0     | 2023/10/11     | 50000736    | Date of first issue: 2023/10/11 |

---

### **Components:**

#### **Phosphorodithioic acid, O-ethyl S,S-bis(1-methylpropyl) ester:**

|         |   |                   |
|---------|---|-------------------|
| Species | : | Rabbit            |
| Result  | : | No eye irritation |
| Method  | : | Draize Test       |

#### **Cellulose:**

|         |   |                   |
|---------|---|-------------------|
| Species | : | Rabbit            |
| Result  | : | No eye irritation |

### **Respiratory or skin sensitization**

#### **Skin sensitization**

May cause an allergic skin reaction.

#### **Respiratory sensitization**

Not classified based on available information.

### **Product:**

|         |   |  |
|---------|---|--|
| Species | : | Guinea pig                               |
| Result  | : | May cause sensitization by skin contact. |

|         |   |                       |
|---------|---|-----------------------|
| Remarks | : | Causes sensitization. |
|---------|---|-----------------------|

### **Components:**

#### **Phosphorodithioic acid, O-ethyl S,S-bis(1-methylpropyl) ester:**

|                    |   |                        |
|--------------------|---|------------------------|
| Routes of exposure | : | Skin contact           |
| Species            | : | Guinea pig             |
| Result             | : | Not a skin sensitizer. |

#### **Cellulose:**

|         |   |                        |
|---------|---|------------------------|
| Species | : | Guinea pig             |
| Result  | : | Not a skin sensitizer. |

### **Germ cell mutagenicity**

Not classified based on available information.

### **Components:**

#### **Phosphorodithioic acid, O-ethyl S,S-bis(1-methylpropyl) ester:**

|                       |   |  |
|-----------------------|---|--|
| Genotoxicity in vitro | : | Test Type: In vitro mammalian cell gene mutation test<br>Test system: Chinese hamster ovary cells<br>Metabolic activation: with and without metabolic activation<br>Result: negative |
|-----------------------|---|--|

|  |   |   |
|--|---|---|
|  | : | Test Type: Ames test<br>Metabolic activation: with and without metabolic activation<br>Result: negative |
|--|---|---|

#### **Cellulose:**

# SAFETY DATA SHEET



## APACHE® 10G

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: -           |
| 1.0     | 2023/10/11     | 50000736    | Date of first issue: 2023/10/11 |

Germ cell mutagenicity - Assessment : In vitro tests did not show mutagenic effects, In vivo tests did not show mutagenic effects

### Carcinogenicity

Not classified based on available information.

#### Components:

##### **Phosphorodithioic acid, O-ethyl S,S-bis(1-methylpropyl) ester:**

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

### Reproductive toxicity

Not classified based on available information.

#### Components:

##### **Phosphorodithioic acid, O-ethyl S,S-bis(1-methylpropyl) ester:**

Reproductive toxicity - Assessment : Animal testing showed no reproductive toxicity.  
Animal testing showed no developmental toxicity.

### STOT-single exposure

Causes damage to organs (Nervous system).

#### Components:

##### **Phosphorodithioic acid, O-ethyl S,S-bis(1-methylpropyl) ester:**

Target Organs : Nervous system  
Assessment : The substance or mixture is classified as specific target organ toxicant, single exposure, category 1.

### STOT-repeated exposure

Causes damage to organs (Nervous system) through prolonged or repeated exposure.

#### Components:

##### **Phosphorodithioic acid, O-ethyl S,S-bis(1-methylpropyl) ester:**

Target Organs : Nervous system  
Assessment : The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 1.

### Repeated dose toxicity

#### Components:

##### **Phosphorodithioic acid, O-ethyl S,S-bis(1-methylpropyl) ester:**

Species : Mouse, male  
NOAEL : 2.45 mg/kg  
LOAEL : 8 mg/kg  
Application Route : Oral - feed  
Exposure time : 28 d  
Dose : 0.83, 2.45, 8.0  
GLP : yes

# SAFETY DATA SHEET



## APACHE® 10G

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: -           |
| 1.0     | 2023/10/11     | 50000736    | Date of first issue: 2023/10/11 |

|                   |   |  |
|-------------------|---|--|
| Symptoms          | : | Red blood cell acetylcholinesterase inhibition |
| Species           | : | Rat, male                                      |
| LOAEL             | : | 4.7 mg/kg                                      |
| Application Route | : | Oral - feed                                    |
| Exposure time     | : | 28 d   |
| Dose              | : | 0, 4.7, 9.3, 19.6, 39.9, 56.2                  |
| GLP               | : | yes  |
| Symptoms          | : | Red blood cell acetylcholinesterase inhibition |

### Aspiration toxicity

Not classified based on available information.

#### Product:

The substance does not have properties associated with aspiration hazard potential.

### Further information

#### Product:

Remarks : No data available

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Components:

##### **Phosphorodithioic acid, O-ethyl S,S-bis(1-methylpropyl) ester:**

|   |   |   |
|---|---|---|
| Toxicity to fish                                    | : | LC50 (Oncorhynchus mykiss (rainbow trout)): 0.13 mg/l<br>Exposure time: 96 h<br><br>LC50 (Lepomis macrochirus (Bluegill sunfish)): 0.14 - 0.21 mg/l<br>Exposure time: 96 h<br><br>LC50 (Salmo gairdneri): 0.11 - 0.15 mg/l<br>Exposure time: 96 h<br>Test Type: flow-through test |
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia magna (Water flea)): 0.0004 - 0.0013 mg/l<br>Exposure time: 48 h<br>Method: OECD Test Guideline 202   |
| Toxicity to algae/aquatic plants                    | : | EbC50 (Scenedesmus subspicatus): 4.3 mg/l<br>Exposure time: 72 h<br>GLP: yes  |
| M-Factor (Acute aquatic toxicity)                   | : | 1,000   |
| Toxicity to fish (Chronic toxicity)                 | : | NOEC (Fish): 0.0052 mg/l<br>Exposure time: 21 d   |

# SAFETY DATA SHEET



## APACHE® 10G

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: -           |
| 1.0     | 2023/10/11     | 50000736    | Date of first issue: 2023/10/11 |

---

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Crustaceans): 0.00023 mg/l  
Exposure time: 21 d

M-Factor (Chronic aquatic toxicity) : 100

Toxicity to soil dwelling organisms : NOEC (Eisenia fetida (earthworms)): 3.2 mg/kg  
Exposure time: 28 d  
GLP: yes

Toxicity to terrestrial organisms : LD50 (Apis mellifera (bees)): 1.86 µg/bee  
Exposure time: 48 h  
Remarks: Contact

LD50 (Apis mellifera (bees)): 2.07 µg/bee  
Exposure time: 48 h  
Remarks: Oral

LD50 (Colinus virginianus (Bobwhite quail)): 7.1 - 36.1 mg/kg  
GLP: yes

LD50 (Anas platyrhynchos (Mallard duck)): 183 - 288 mg/kg  
GLP: yes

### Cellulose:

Toxicity to fish : Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates : Remarks: No data available

Toxicity to algae/aquatic plants : Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : Remarks: No data available

Toxicity to microorganisms : Remarks: No data available

### Persistence and degradability

#### Components:

#### Cellulose:

Biodegradability : Remarks: No data available

### Bioaccumulative potential

#### Components:

#### Phosphorodithioic acid, O-ethyl S,S-bis(1-methylpropyl) ester:

Bioaccumulation : Bioconcentration factor (BCF): 220

# SAFETY DATA SHEET



## APACHE® 10G

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: -           |
| 1.0     | 2023/10/11     | 50000736    | Date of first issue: 2023/10/11 |

Remarks: Does not bioaccumulate.

Partition coefficient: n-octanol/water : log Pow: 3.9

### Cellulose:

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

### Mobility in soil

### Components:

#### Phosphorodithioic acid, O-ethyl S,S-bis(1-methylpropyl) ester:

Distribution among environmental compartments : Remarks: Moderately mobile in soils

### Other adverse effects

### Product:

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.

## 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : 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.

## 14. TRANSPORT INFORMATION

### International Regulations

#### UNRTDG

UN number : UN 2783  
Proper shipping name : ORGANOPHOSPHORUS PESTICIDE, SOLID, TOXIC (Cadusafos)  
Class : 6.1  
Packing group : II  
Labels : 6.1

#### IATA-DGR

UN/ID No. : UN 2783

# SAFETY DATA SHEET



## APACHE® 10G

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: -           |
| 1.0     | 2023/10/11     | 50000736    | Date of first issue: 2023/10/11 |

Proper shipping name : Organophosphorus pesticide, solid, toxic  
(Cadusafos)

Class : 6.1

Packing group : II

Labels : Toxic

Packing instruction (cargo aircraft) : 676

Packing instruction (passenger aircraft) : 669

Environmentally hazardous : yes

### IMDG-Code

UN number : UN 2783

Proper shipping name : ORGANOPHOSPHORUS PESTICIDE, SOLID, TOXIC  
(Cadusafos)

Class : 6.1

Packing group : II

Labels : 6.1

EmS Code : F-A, S-A

Marine pollutant : yes

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

### 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.

## 15. REGULATORY INFORMATION

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

Priority Chemical List (PCL) : Not applicable

Chemical Control Order (CCO) : Not applicable

### 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.

S,S-DI-SEC-BUTYL O-ETHYL PHOSPHORODITHIOATE

ENCS : Not in compliance with the inventory

ISHL : Not in compliance with the inventory

# SAFETY DATA SHEET



## APACHE® 10G

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: -           |
| 1.0     | 2023/10/11     | 50000736    | Date of first issue: 2023/10/11 |

|       |   |
|-------|---|
| 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                  |

### 16. OTHER INFORMATION

|               |              |
|---------------|--------------|
| Revision Date | : 2023/10/11 |
| Date format   | : yyyy/mm/dd |

#### Full text of other abbreviations

|       |   |
|-------|---|
| ACGIH | : USA. ACGIH Threshold Limit Values (TLV) |
|-------|---|

|             |                                 |
|-------------|---------------------------------|
| ACGIH / TWA | : 8-hour, time-weighted average |
|-------------|---------------------------------|

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); 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; ERG - Emergency Response Guide; 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; 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; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; 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; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; 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; WHMIS - Workplace Hazardous Materials Information System

# SAFETY DATA SHEET



## APACHE® 10G

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: -           |
| 1.0     | 2023/10/11     | 50000736    | Date of first issue: 2023/10/11 |

---

### Disclaimer

FMC Corporation believes that the information and recommendations contained herein (including data and statements) are accurate as of the date hereof. You can contact FMC Corporation to insure that this document is the most current available from FMC Corporation. No warranty of fitness for any particular purpose, warranty of merchantability or any other warranty, expressed or implied, is made concerning the information provided herein. The information provided herein relates only to the specified product designated and may not be applicable where such product is used in combination with any other materials or in any process. The user is responsible for determining whether the product is fit for a particular purpose and suitable for the user's conditions and methods of use. Since the conditions and methods of use are beyond the control of FMC Corporation, FMC Corporation expressly disclaims any and all liability as to any results obtained or arising from any use of the products or reliance on such information.

PH / EN