

# SAFETY DATA SHEET



## PICXEL

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	2022/08/22	50002444	Date of first issue: 2022/08/22

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### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : PICXEL

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

Recommended use : A fertilizer with micronutrients for use in agriculture and horticulture

Restrictions on use : Use as recommended by the label.

#### Manufacturer or supplier's details

Company : FMC Corporation

Address : 2929 WALNUT ST  
PHILADELPHIA PA 19104  
USA

Emergency telephone : For leak, fire, spill or accident emergencies, call:  
+(84)-444581938 (CHEMTREC Vietnam)

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

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### 2. HAZARDS IDENTIFICATION

#### GHS Classification

Serious eye damage/eye irritation : Category 2B

Acute toxicity (Oral) : Category 5

Acute toxicity (Dermal) : Category 5

#### GHS label elements

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.

Precautionary Statements : P101 If medical advice is needed, have product container or

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label at hand.  
P102 Keep out of reach of children.  
P103 Read label before use.

### Prevention:

P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

### Response:

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P302 + P352 IF ON SKIN: Wash with plenty of water and soap.

### Other hazards which do not result in classification

None known.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Mixture

### Components

Chemical name	CAS-No.	Concentration (% w/w)
Hydroxide	14280-30-9	<= 1

## 4. FIRST AID MEASURES

General advice : Move out of dangerous area.  
Consult a physician.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.  
Take off contaminated clothing and shoes immediately.

If inhaled : Move to fresh air.  
If not breathing, give artificial respiration.  
If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.

In case of skin contact : If on skin, rinse well with water.  
If on clothes, remove clothes.

In case of eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
Continue rinsing eyes during transport to hospital.  
Remove contact lenses.  
Protect unharmed eye.

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- Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.  
Immediately give large quantities of water to drink.  
Keep respiratory tract clear.  
Do NOT induce vomiting.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
Take victim immediately to hospital.
- Most important symptoms and effects, both acute and delayed : Causes serious eye irritation.  
May be harmful in contact with skin.
- Notes to physician : Treat symptomatically.

### 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 : Fire may produce irritating, corrosive and/or toxic gases.  
Metal 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 : Use personal protective equipment.  
Wear self-contained breathing apparatus for firefighting if necessary.  
Exposure to decomposition products may be a hazard to health.

### 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Refer to protective measures listed in sections 7 and 8.  
Ensure adequate ventilation.  
Material can create slippery conditions.  
Keep people away from and upwind of spill/leak.  
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.  
Mark the contaminated area with signs and prevent access to unauthorized personnel.

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Only qualified personnel equipped with suitable protective equipment may intervene.  
For disposal considerations see section 13.

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 : Absorb spillage to prevent material damage.  
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Pick up and transfer to properly labeled containers.  
Keep in suitable, closed containers for disposal.

### 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Advice on safe handling : Do not breathe vapors/dust.  
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.  
Always have on hand a first-aid kit, together with proper instructions.  
Wash skin thoroughly after handling.  
Use only with adequate ventilation/personal protection.  
Keep container closed when not in use.

Conditions for safe storage : Observe label precautions.  
Electrical installations / working materials must comply with the technological safety standards.  
**DO NOT STORE OR TRANSPORT IN ALUMINUM CONTAINERS.** No air sparging; Store in original containers only. Cold storage okay with circulation. Keep containers tightly closed when not in use. Store in a cool, dry, well-ventilated area, preferably in a locked storage area away from children, feed, food products, and seed. Do not contaminate environment, water, food or feed by storage or disposal.

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

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

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### Personal protective equipment

- |                          |   |   |
|--------------------------|---|---|
| Respiratory protection   | : | In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.<br>Use with local exhaust ventilation.  |
| 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<br>Tightly fitting safety goggles<br>Wear face-shield and protective suit for abnormal processing problems.   |
| Skin and body protection | : | Impervious clothing<br>Choose body protection according to the amount and concentration of the dangerous substance at the work place.<br>Remove and wash contaminated clothing before re-use. |
| Hygiene measures         | : | When using do not eat or drink.<br>When using do not smoke.<br>Wash hands before breaks and at the end of workday.  |

### 9. PHYSICAL AND CHEMICAL PROPERTIES

- |   |   |                   |
|---|---|-------------------|
| Appearance                              | : | liquid            |
| Color                                   | : | black             |
| Odor                                    | : | odorless          |
| Odor Threshold                          | : | No data available |
| pH                                      | : | 12 - 13 (20 °C)   |
| Melting point/freezing point            | : | No data available |
| Initial boiling point and boiling range | : | 100 °C            |
| Flash point                             | : | No data available |
| Evaporation rate                        | : | No data available |
| Self-ignition                           | : | does not ignite   |
| Upper explosion limit / Upper           | : | Not applicable    |

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flammability limit

Lower explosion limit / Lower flammability limit : Not applicable

Vapor pressure : not determined

Relative vapor density : No data available

Density : 1,20 - 1,22 g/cm<sup>3</sup> (20 °C)

Solubility(ies)

Water solubility : soluble

Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : No data available

Autoignition temperature : Not available for this mixture.

Decomposition temperature : not determined

Viscosity

Viscosity, dynamic : No data available

Viscosity, kinematic : No data available

Explosive properties : Not explosive

Oxidizing properties : No data available

Self-heating substances : The substance or mixture is not classified as self heating.

Particle size : No data available

### 10. STABILITY AND REACTIVITY

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous reactions : No decomposition if stored and applied as directed.

Conditions to avoid : Heat, flames and sparks.  
Extremes of temperature and direct sunlight.

Incompatible materials : Avoid strong acids, bases, and oxidizers.

Hazardous decomposition products : Stable under recommended storage conditions.  
No decomposition if stored and applied as directed.  
Thermal decomposition can lead to release of irritating gases and vapors.

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In case of fire hazardous decomposition products may be produced such as:  
Toxic gases  
Carbon oxides  
Zinc oxide fumes.  
Nitrogen oxides (NOx)

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### 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Harmful in contact with skin and if swallowed.

#### Product:

Acute oral toxicity : Acute toxicity estimate: 4.805 mg/kg  
Method: Calculation method

#### Skin corrosion/irritation

Not classified based on available information.

#### Product:

Remarks : May cause skin irritation and/or dermatitis.

Remarks : Extremely corrosive and destructive to tissue.

#### Serious eye damage/eye irritation

Causes serious eye irritation.

#### Product:

Remarks : May cause irreversible eye damage.

Remarks : May cause irreversible eye damage.

#### Respiratory or skin sensitization

##### Skin sensitization

Not classified based on available information.

##### Respiratory sensitization

Not classified based on available information.

#### Product:

Species : Guinea pig  
Assessment : Not a skin sensitizer.  
Result : Not a skin sensitizer.

#### Germ cell mutagenicity

Not classified based on available information.

#### Carcinogenicity

Not classified based on available information.

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### **Reproductive toxicity**

Not classified based on available information.

### **STOT-single exposure**

Not classified based on available information.

### **STOT-repeated exposure**

Not classified based on available information.

### **Aspiration toxicity**

Not classified based on available information.

### **Further information**

#### **Product:**

Remarks : No data available

Remarks : No data available

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## 12. ECOLOGICAL INFORMATION

### **Ecotoxicity**

No data available

### **Persistence and degradability**

No data available

### **Bioaccumulative potential**

No data available

### **Mobility in soil**

No data available

### **Other adverse effects**

#### **Product:**

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

No data available

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## 13. DISPOSAL CONSIDERATIONS

### **Disposal methods**

Waste from residues : Do not dispose of waste into sewer.  
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.



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### 14. TRANSPORT INFORMATION

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#### International Regulations

##### UNRTDG

UN number	:	Not applicable
Proper shipping name	:	Not applicable
Class	:	Not applicable
Subsidiary risk	:	Not applicable
Packing group	:	Not applicable
Labels	:	Not applicable

##### IATA-DGR

UN/ID No.	:	Not applicable
Proper shipping name	:	Not applicable
Class	:	Not applicable
Subsidiary risk	:	Not applicable
Packing group	:	Not applicable
Labels	:	Not applicable
Packing instruction (cargo aircraft)	:	Not applicable
Packing instruction (passenger aircraft)	:	Not applicable

##### IMDG-Code

UN number	:	Not applicable
Proper shipping name	:	Not applicable
Class	:	Not applicable
Subsidiary risk	:	Not applicable
Packing group	:	Not applicable
Labels	:	Not applicable
EmS Code	:	Not applicable
Marine pollutant	:	Not applicable

#### 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

Remarks	:	Not classified as dangerous in the meaning of transport regulations.
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### 15. REGULATORY INFORMATION

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

Law on Chemicals No. 06/2007/QH12

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

TCSI	:	Not in compliance with the inventory
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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.  0-00-0 Hydroxide
ENCS	:	Not in compliance with the inventory
ISHL	:	Not in compliance with the inventory
KECI	:	Not 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	:	2022/08/22
Date format	:	yyyy/mm/dd

#### Full text of other abbreviations

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, Bioaccumu-

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lative 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

### Disclaimer

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