

# KRONES creadditive FIL 12 01

## Safety Data Sheet

According to the United Nations GHS (Rev. 8, 2019)

Issue date: 12/06/2020

Revision date: 12/06/2020

Version: 1.0

### SECTION 1: Identification

#### 1.1. GHS Product identifier

Product form : Mixture  
Trade name : KRONES creadditive FIL 12 01

#### 1.2. Other means of identification

Other means of identification : No information available

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

Use of the substance/mixture : 3D Printing.  
Recommended use : No information available

#### 1.4. Supplier's details

##### Supplier

KIC KRONES Internationale Cooperationsgesellschaft mbH  
Böhmerwaldstraße 5  
93073 Neutraubling  
Germany  
T +49-940170-3020  
F +49-940170-3696  
kic@kic-krones.com

##### Importer

KRONES LCS Center West Africa Ltd.  
Acme Road, Ogba Industrial Scheme, Plot 7A, Block C  
100211 Ikeja - Lagos  
Nigeria  
T +234 1 463 11 30  
helmut.rumm@krones.com.ng

#### 1.5. Emergency phone number

Emergency number : +44 1235 239671 (NCEC, National Chemical Emergency Centre)

### SECTION 2: Hazard identification

#### 2.1. Classification of the substance or mixture

##### Classification according to the United Nations GHS

Not classified

Adverse physicochemical, human health and environmental effects : No information available

#### 2.2. GHS Label elements, including precautionary statements

##### Labelling according to the United Nations GHS

Hazard pictograms (GHS UN) : None  
Signal word (GHS UN) : None  
Hazard statements (GHS UN) : None  
Precautionary statements (GHS UN) : None

#### 2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification : No information available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

This mixture does not contain any substances to be mentioned according to the applicable regulations

### SECTION 4: First-aid measures

#### 4.1. Description of necessary first-aid measures

First-aid measures general : Take off immediately all contaminated clothing and wash it before reuse. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.  
First-aid measures after skin contact : After contact with molten product, cool skin area rapidly with cold water. If irritation persists, consult a doctor.  
First-aid measures after eye contact : Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.  
First-aid measures after ingestion : Do NOT induce vomiting. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Call a poison center or a doctor if you feel unwell.

#### 4.2. Most important symptoms/effects, acute and delayed

Most Important Symptoms/Effects : No information available.

# KRONES creadditive FIL 12 01

## Safety Data Sheet

According to the United Nations GHS (Rev. 8, 2019)

### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable extinguishing media

Suitable extinguishing media : Water spray, foam, extinguishing powder, carbon dioxide  
Unsuitable extinguishing media : High volume water jet.

### 5.2. Specific hazards arising from the chemical

Fire hazard : No information available.  
Hazardous decomposition products in case of fire : Toxic fumes may be released, such as carbon monoxide, carbon dioxide, hydrogen fluoride, acetaldehyde.

### 5.3. Special protective actions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

Protective equipment : Wear personal protective equipment.  
Emergency procedures : Remove all sources of ignition. Avoid contact with skin and eyes. Avoid contact with skin and eyes. Avoid dust formation. Do not breathe dust. Do not eat, drink or smoke during use. Wash thoroughly after handling.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment. Do not discharge into drains or rivers. Advise local authorities if considered necessary.

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

For containment : Collect spillage.  
Methods for cleaning up : Take up mechanically (sweeping, shoveling) and collect in suitable container for disposal.  
Other information : Dispose of materials or solid residues at an authorized site.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Respiratory protection equipment may be necessary. Keep away from sources of ignition. Take action to prevent static discharges. Avoid contact with skin and eyes. Avoid dust formation. Do not breathe dust.  
Hygiene measures : Keep away from food and drink. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Avoid dust formation. Do not breathe dust. Wash contaminated clothing before reuse.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store in corrosive resistant container with a resistant inner liner. Keep only in original container. Store locked up.  
Storage area : Containers which are opened should be properly resealed and kept upright to prevent leakage. Keep only in original container. Protect from heat and direct sunlight.  
Incompatible products : Oxidizing agent, acids, bases.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

KRONES creadditive FIL 12 01

No information available

#### Monitoring methods

Monitoring methods

No information available

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Keep away from sources of ignition. Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

# KRONES creadditive FIL 12 01

## Safety Data Sheet

According to the United Nations GHS (Rev. 8, 2019)

### 8.3. Individual protection measures, such as personal protective equipment (PPE)

Hand protection	: Protective gloves (EN 374).
Eye protection	: Safety glasses (EN 166).
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment.
Thermal hazard protection	: No information available.

### 8.4. Exposure limit values for the other components

No additional information available

## SECTION 9: Physical and chemical properties

### 9.1. Basic physical and chemical properties

Physical state	: Solid
Appearance	: Plastic filament
Colour	: White.
Odour	: Product specific.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flammability (solid, gas)	: Non flammable
Explosive limits	: Not available
Lower explosive limit (LEL)	: Not available
Upper explosive limit (UEL)	: Not available
Flash point	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
pH solution	: Not available
Viscosity, kinematic (calculated value) (40 °C)	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50 °C	: Not available
Density	: 1300 kg/m <sup>3</sup>
Relative density	: Not available
Relative vapour density at 20 °C	: Not available
Solubility	: Insoluble
Explosive properties	: Not available
Oxidising properties	: Not available

### 9.2. Data relevant with regard to physical hazard classes (supplemental)

Additional information : No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Heat, flame sparks. Static discharges. Incompatible materials.

### 10.5. Incompatible materials

Oxidizing agent, acids, bases.

# KRONES creadditive FIL 12 01

## Safety Data Sheet

According to the United Nations GHS (Rev. 8, 2019)

### 10.6. Hazardous decomposition products

Hydrogen fluoride, acetaldehyde.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

### 12.2. Persistence and degradability

#### KRONES creadditive FIL 12 01

Persistence and degradability	No information available.
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### 12.3. Bioaccumulative potential

#### KRONES creadditive FIL 12 01

Bioaccumulative potential	No information available.
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### 12.4. Mobility in soil

#### KRONES creadditive FIL 12 01

Mobility in soil	No additional information available
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### 12.5. Other adverse effects

Ozone	: Not classified
Other adverse effects	: No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	: Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

In accordance with IMDG / IATA / UN RTDG

UN RTDG	IMDG	IATA
<b>14.1. UN number</b>		
Not regulated for transport		

# KRONES creadditive FIL 12 01

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14.2. UN Proper Shipping Name		
Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)		
Not applicable	Not applicable	Not applicable
14.4. Packing group		
Not applicable	Not applicable	Not applicable
14.5. Environmental hazards		
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No
No supplementary information available		

### 14.6. Special precautions for user

**- UN RTDG**

No data available

**- IMDG**

No data available

**- IATA**

No data available

### 14.7. Transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations specific for the product in question

No additional information available

## SECTION 16: Other information

Issue date : 12/06/2020

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#### Indication of changes:

No information available.

Abbreviations and acronyms : ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road  
EC50 - Median effective concentration  
IATA - International Air Transport Association  
IMDG - International Maritime Dangerous Goods  
LC50 - Median lethal concentration  
LD50 - Median lethal dose  
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail  
SDS - Safety Data Sheet

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.

Other information : None.

#### Full text of H-statements:

No information available

SDS UN

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*