KILLZ-ALL 60

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

Date of issue: 06/01/2006 Revision date: 04/24 2018 Supersedes: 06/01/2006 Version: 2.0

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

1.1. Product identifier

Product form : Mixture

Trade name : KILLZ-ALL 60

Chemical name : Contain Aluminium Phosphide

Synonyms : KILLZ-ALL 60® Tablets
KILLZ-ALL 60® Pellets

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

Use of the substance/mixture : RESTRICTED USE PESTICIDE

For retail sale to Dealers and Certified Applicators only. For use by Certified Applicators or persons under the direct supervision, and only for those uses covered by the Certified Applicator's certification.

Use advised against : Any other use than above mentioned are restricted.

1.3. Details of the supplier of the safety data sheet

ROC ENTERPRISES, LLC
1908 W. OLD 40 HWY
SALINA, KS 67401
Tel: 1-800-527-8215

1.4. Emergency telephone number

Emergency number : Chemtrec (24 HOURS) 1-800-424-9300
1-800-527-8215

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Substances and Mixtures Which, In Contact With Water, Emit Flammable Gases, Category 1
Acute Toxicity – Oral, Category 2
Acute Toxicity – Dermal, Category 3
Acute Toxicity – Inhalation, Category 3
Eye Damage/Irritation, Category 1

Label elements‡

Labelling

Hazard pictograms :

Signal word : Danger

Hazard statements : In contact with water releases flammable gases, which may ignite spontaneously
Fatal if swallowed
Toxic in contact with skin
Toxic if inhaled
Causes serious eye damage

‡ This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Refer to section 15.

Precautionary statements : Do not allow contact with water.
Handle under inert gas. Protect from moisture.
Wash hands and forearms thoroughly after handling.
Do not eat, drink or smoke when using this product.
Do not breathe mist, dust, fume, gas.
Use only outdoors or in a well- ventilated area.
Wear dry gloves, protective clothing.
Brush off loose particles from skin and immerse in cool water/wrap in wet bandages.
In case of fire: Use Carbon Dioxide, Dry chemical, Dry sand, or Soda ash to extinguish.
If swallowed: Immediately call a poison center.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
Call a poison if you feel unwell.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Specific treatment (see the Note to physician on the label).
Rinse mouth.
If on skin: Wash with plenty of water.
Take off immediately all contaminated clothing and wash it before reuse.
Store in a well-ventilated place. Keep container tightly closed.
Store in a dry place. Store in a closed container.
Store locked up.
Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national/federal regulation.

2.3. Other hazards

Contact with water liberates toxic gas. Contact with acids liberates very toxic gas.

2.4. Unknown acute toxicity

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%
Aluminum Phosphide	(CAS No) 20859-73-8	60
Ammonium Carbamate	(CAS No) 1111-78-0	> 5 - < 10

The specific chemical\ component identities and/or the exact component percentages of this material may be withheld as trade secrets.
This information is made available to health professionals, employees, and designated representatives in accordance with the applicable provisions of 29 CFR 1910.1200 (I)(1).
Trace ingredients (if any) are present in < 1% concentration, (< 0.1% for potential carcinogens, mutagen, and reproductive toxicant, respiratory tract and skin sensitizers in addition to oral/ inhalation acute toxicant in category 1 and 2). None of the trace ingredients contribute significant additional hazards at the concentrations that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalents.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Move person to fresh air. Keep warm and make sure person can breathe freely.
If breathing has stopped, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible. Call a poison control or doctor for further treatment advice.

First-aid measures after ingestion : Call a poison control center or doctor for further treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control centre or doctor. Do not give anything to an unconscious person.

First-aid measures after skin contact : Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

First-aid measures after eye contact : Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing. Call a poison control center or doctor for further treatment advice.

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

Symptoms/inju ries after inhalation : Aluminum phosphide fumigants react with moisture from the air, water, acids and many other liquids to release phosphine gas. Mild exposure by inhalation causes malaise (indefinite feeling of sickness), ringing of ears, fatigue, nausea, and pressure in the chest, which is relieved by removal to fresh air. Moderate poisoning causes weakness, vomiting, pain just above the stomach, chest pain, diarrhea and dyspnea (difficulty in breathing).

Symptoms of severe poisoning may occur within a few hours to several days, resulting in pulmonary edema (fluid in lungs) and may lead to dizziness, cyanosis (blue or purple skin color), unconsciousness, and death. In sufficient quantity, phosphine affects the liver, kidneys, lungs, nervous system and circulatory system. Inhalation can cause lung edema (fluid in lungs) and hyperemia (excess of blood in a body part), small perivascular brain hemorrhage and brain edema (fluid in the brain).

Symptoms/injuries after ingestion : Ingestion can cause lung and brain symptoms but damage to the viscera (body cavity organ) is more common. Phosphine poisoning may result in (1) pulmonary edema, (2) liver elevated serum GOT, LDH and alkaline phosphatase, reduced prothrombin, hemorrhage and jaundice (yellow skin color) and (3) kidney hematuria (blood in urine) and anuria (abnormal or lack of urination). Pathology is characteristic of hypoxia (oxygen deficiency in blood tissue). Frequent exposure to sub-acute concentrations over period of days or weeks may cause poisoning. Treatment is symptomatic.

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

Suggestions for use by the physician in accordance with his own judgment : In milder forms, symptoms of poisoning may take some time (up to 24 hours) to make their appearance, and the following is suggested:
1. Give complete rest for 1-2 days, during which the patient must be kept quiet and warm.
2. Should patient suffer from vomiting or increased blood sugar, appropriate solutions should be administered. Treatment with oxygen breathing equipment is recommended as is the administration of cardiac and circulatory stimulants.

In cases of severe poisoning (Intensive Care Unit recommended) : Where pulmonary edema is observed, steroid therapy should be considered and close medical supervision is recommended. Blood transfusions may be necessary.
In cases of manifest pulmonary edema, venesection should be performed under vein pressure control. Heart glycosides (I.V.) (in case of hemoconcentration, venesection may result in shock). Upon progressive edema of the lungs, immediate intubations with a constant removal of edema fluid and oxygen over- pressure respiration, as well as measures required for shock treatment are recommended. In case of kidney failure, exracorporeal hemodialysis is necessary. There is no specific antidote known for this poisoning.
Mention should be made here of suicidal attempts by taking solid phosphide by mouth. After swallowing, emptying of the stomach by vomiting, flushing of the stomach with diluted potassium permanganate solution or a solution of magnesium peroxide until flushing liquid ceases to smell of carbide, is recommended. Thereafter, apply medicinal charcoal.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Carbon Dioxide, Dry chemical, dry sand, or soda ash.

Unsuitable extinguishing media : Water.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Releases highly toxic fumes on exposure to moist air, water and acids.

5.3. Advice for firefighters

Firefighting instructions : Evacuate area and let fire burn. Remove container from fire only if it can be done without risk. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

Other information : Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : A spill, other than incidental to application or normal handling, may produce high levels of gas. Therefore, attending personnel must wear SCBA or its equivalent when the concentration is unknown.

6.1.1. For non-emergency personnel

Evacuate personnel to a safe area.

6.1.2. For emergency responders

In the case of an incidental release, personnel must wear SCBA or its equivalent when the concentration is unknown. Other NIOSH/MSHA approved respiratory protection may be worn if the concentration is known. Do not use water at any time to clean up a spill of aluminum phosphide. Water in contact with unreacted pellets will greatly accelerate the production of phosphine gas which could result in a toxic and/or fire hazard. Do not use any wet protective equipments such as gloves, clothing, etc. Wear cotton gloves when handling this product.

6.2. Environmental precautions

This product is highly toxic to fish and wildlife. Non-target organisms exposed to phosphine gas will be killed. 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 by cleaning of equipment or disposal of wastes. Avoid discharge to the environmen. Relevant water authorities should be notified of any large spillage to water course or drain.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Recover the released product mechanically. Avoid any contact with humidity and wet objects. Wear cotton gloves when handling this product. Collect any released product and return them to cardboard case or other suitable packaging which has been properly marked.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid breathing dust/ mist/ spray. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. Avoid contact with humidity or wet objects. Wear cotton gloves when handling this product.

Hygiene measures : Remove and wash contaminated clothing before reuse. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Provide adequate ventilation.

Storage conditions : Store under lock and key, in a dry, well-ventilated area away from heat. Post as a pesticide storage area. Do not contaminate water, food or feed by storing pesticide in the same areas used to store these commodities. Do not store in buildings inhabited by humans or domestic animals.

KILLZ-ALL 60® are supplied in gas-tight, resealable aluminum flasks. Do not expose the product to atmospheric moisture any longer than is necessary and seal tightly before returning flasks to storage. The shelf life of KILLZ-ALL 60® is virtually unlimited as long as the containers are tightly sealed.

7.3. Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Aluminum oxide		
OSHA	OSHA TWA (mg/m³) – Final PEL	15 mg/m³ respirable fraction
OSHA	OSHA TWA (mg/m³) – Vacated	10 mg/m³ total dust
OSHA	OSHA TWA (mg/m³) – Vacated	5 mg/m³ respirable fraction

Graphite		
ACGIH	ACGIH TWA (mg/m³)	2 mg/m³ All form- respirable fraction
OSHA	OSHA TWA (mg/m³) – Final PEL	15 mg/m³ Total dust
OSHA	OSHA TWA (mg/m³) – Final PEL	5 mg/m³ respirable fraction
OSHA	OSHA TWA (mg/m³) – Vacated PEL	2.5 mg/m³ respirable fraction
OSHA	OSHA TWA (mg/m³) – Vacated PEL	10 mg/m³ total dust

Contact with water or humidity liberates toxic gas of Phosphine.

Phosphine		
ACGIH	ACGIH TWA (ppm) - 8 hours	0.3 ppm
ACGIH	ACGIH STEL (ppm) - 15 min	1.0 ppm

8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station. Provide a good standard of general ventilation. If monitoring shows that workers may be exposed to concentrations in excess of the permitted limits, then reduce exposure to within permitted limits. Appropriate respiratory protection must be worn if phosphine exposure limits are exceeded or concentrations are unknown.

Personal protective equipment : Safety glasses. Gloves. Protective clothing. Mask

Materials for protective clothing : Wear long sleeves.

Hand protection : Wear dry gloves of cotton or other material if contact with KILLZ-ALL 60® are likely. Gloves must remain dry during use. Wash hands thoroughly after handling aluminum phosphide products. Aerate used gloves and other contaminated clothing in a well-ventilated area prior to laundering.

Eye protection : Unlikely route of exposure.

Skin and body protection : Wear suitable protective clothing. Dry long sleeve cotton clothing is recommended.

Respiratory protection : If the concentration levels of phosphine are unknown, use of respiratory protection is required.

If KILLZ-ALL 60® is to be applied from within the structure to be fumigated, an approved full-face gas mask- phosphine canister combination or SCBA or its equivalent must be available at the site of application in case it is needed. Respiratory protection must also be available for applications from outside the area to be fumigated such as addition of tablets or pellets to automatic dispensing devices, outdoor applications, etc.

A NIOSH/MSHA approved full-faced gas mask - phosphine canister combination may be used at levels up to 15 ppm or following manufacturers use condition instructions for escape. Above 15 ppm or in situations where the phosphine concentration is unknown, a NIOSH/MSHA approved, SCBA must be worn.

Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid

Appearance : Tablets/Pellets

Color : Gray/green

Odor : Garlic-like (the released gas)

Odor threshold : No data available

pH : Not applicable

Relative evaporation rate (butyl acetate=1) : No data available

Melting point : No data available

Freezing point : Not applicable

Boiling point : Not applicable

Flash point : Not applicable

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Vapor pressure : No data available

Relative vapour density at 20 °C : No data available

Relative density	:	No data available
Solubility in water	:	Not applicable (React with water)
Log Pow	:	No data available
Log Kow	:	No data available
Viscosity, kinematic	:	Not applicable
Viscosity, dynamic	:	Not applicable
Explosive properties	:	No data available
Oxidising properties	:	No data available
Explosive limits	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactive to water and humidity.

10.2. Chemical stability

This product is stable ay suggested storage condition. Stable in dry condition.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur. Contact with water liberates toxic gas. Contact with acids liberates very toxic gas.

10.4. Conditions to avoid

Avoid contacting with incompatible materials and heat.

10.5. Incompatible materials

Water, dilute mineral acids, dilute or concentrated hydrochloric acid.

10.6. Hazardous decomposition products

Liberates Phosphine gas.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Fatal if swallowed. Toxic in contact with skin and if inhaled (dust/ vapor)

Aluminum Phosphide	
ATE oral	5 mg/kg
ATE dermal	300 mg/kg
ATE inhalation (mg/l)- dust/ mist	2.0 mg/l/4h
ATE inhalation (mg/l)- vapor	0.05 mg/l/4h

Contact with water or humidity liberates toxic gas of Phosphine.

Phosphine	
LC50 inhalation rat (ppm)	11 ppm/4h

	:	Not classified
Skin corrosion/irritation		
Serious eye damage/irritation	:	Causes serious eye damage
Respiratory or skin sensitisation	:	Not classified
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Not classified
Reproductive toxicity	:	Not classified
Specific target organ toxicity (single exposure)	:	Not classified

Specific target organ toxicity (repeated exposure)	:	Not classified
Aspiration hazard	:	Not classified

SECTION 12: Ecological information

12.1. Toxicity

Very toxic to aquatic life.
This product is highly toxic to fish and wildlife. Non-target organisms exposed to phosphine gas will be killed. 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 by cleaning of equipment or disposal of wastes.

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on ozone layer	:	No additional information available
Effect on the global warming	:	No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations	:	Do not contaminate water, food or feed by storage or disposal. Unreacted or partially spent KILLZ-ALL 60® is acutely hazardous. Improper disposal of excess pesticide, is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. For specific instructions, see Disposal Instructions and Spill and Leak Procedures in the Applicator's Manual. Some local and state waste disposal regulations may vary from the following. Disposal procedures should be reviewed with appropriate authorities to ensure compliance with local regulations. Contact your State Pesticide or Environmental Control Agency or Hazardous Waste Specialist at the nearest EPA Regional Office for guidance.
Container disposal recommendation	:	Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse flasks and stoppers with water. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities. Rinsate may be disposed of in a sanitary landfill, by pouring it out onto the ground or by other approved procedures. It is permissible to remove lids and expose empty flasks atmospheric conditions until residue in the flask is reacted. Then puncture and dispose of in a sanitary landfill or other approved site, or by other procedures approved by state and local authorities. If properly exposed, the residual dust remaining after a fumigation with KILLZ-ALL 60® will be a grayishwhite powder and contain only a small amount of unreacted aluminum phosphide. However, residual dust from incompletely exposed KILLZ-ALL 60® may require special care.

Waste treatment : Partially spent or unreacted KILLZ-ALL 60® is acutely hazardous. For deactivation refer to Disposal Instruction.

WET DEACTIVATION:

1. Deactivating solution is prepared by adding the appropriate amount of low-sudsing detergent or surfactant agent to water in a drum or other suitable container. A 2% solution of detergent is suggested. Fill a drum or other container to be used for wet deactivation with the deactivating solution to within an inch or two of the top. Do not allow a large headspace above the surface of the solution.
2. 2. In a well-ventilated area, outdoors, pour residual dust into the deactivating solution and stir to thoroughly wet all of the particles. Use no less than 10 gallons of deactivating solution for each case of material used.
3. 3. Dispose of the deactivated dust-water suspension, with or without preliminary decanting, at a sanitary landfill or other suitable site approved by local authorities. Where permissible, the slurry may be poured out onto the ground. If the slurry has been held for 36 hours or more, it may be poured into a storm sewer.
4. Caution: Wear a NIOSH/MSHA approved full-face gas mask-hydrogen phosphide canister combination if exposed to levels between 0.3 ppm to 15 ppm or a Self-Contained Breathing Apparatus (SCBA) if exposure is unknown or above 15 ppm during wet deactivation of partially spent material. Do not cover the container at any time. Do not dispose of dust in a toilet. Do not allow quantities of dry residual dust from KILLZ-ALL 60® to be collected or stored without deactivation.

DRY DEACTIVATION:

Extension of the fumigation period is the simplest method for further deactivation of partially spent product prior to disposal.

Partially spent or unreacted product may also be deactivated as follows using the “Dry Method’.

Spread product out onto the ground in a secure, open area away from inhabited buildings, protected from rain and groundwater, to be deactivated by atmospheric moisture.

Care should be taken to ensure that the product is not carried away by the wind. Do not use this procedure during periods of rain or if the soil is wet. After deactivation, the spent product may be gathered for disposal at approved sites.

Storage of partially spent product in a closed container may result in a fire hazard.

SECTION 14: Transport information

In accordance with DOT

Transport document description : UN1397 Aluminum phosphide, 4.3, I

UN-No.(DOT) : UN1397

Proper Shipping Name (DOT) : Aluminum phosphide

Transport hazard class(es) (DOT) : 4.3 - Class 4.3 - Dangerous When Wet

Hazard labels (DOT) : 4.3 (6.1) - Dangerous When Wet, Poison

Packing group (DOT) : I - High Danger

DOT Special Provisions (49 CFR 172.102) : A8 - For combination packagings, if glass inner packagings (including ampoules) are used, they must be packed with cushioning material in tightly closed metal receptacles before packing in outer packagings.
A19 - Combination packagings consisting of outer fiber drums or plywood drums, with inner plastic packagings, are not authorized for transportation by aircraft.
N40 - This material is not authorized in the following packagings:
a. A combination packaging consisting of a 4G fiberboard box with inner receptacles of glass or earthenware;
b. A single packaging of a 4C2 sift-proof, natural wood box; or
c. A composite packaging 6PG2 (glass, porcelain or stoneware receptacles within a fiberboard box).
W32 - Non-bulk packagings shall be hermetically sealed, except for solid fused material.

DOT Packaging Exceptions (49 CFR 173.xxx) : None

DOT Packaging Non Bulk (49 CFR 173.xxx) : 211

DOT Packaging Bulk (49 CFR 173.xxx) : 242

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	:	Forbidden
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	:	15 kg
DOT Vessel Stowage Location	:	E – The material may be stowed “on deck” or “under deck” on a cargo vessel or on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length, but is prohibited from carriage on a passenger vessel in which the limiting number of passengers is exceeded.
DOT Vessel Stowage Other	:	13,40,52,85,148

Additional information

Other information	:	No supplementary information available.

ADR

No additional information available

Transport by sea

UN-No. (IMDG)	:	1397
Proper Shipping Name (IMDG)	:	ALUMINIUM PHOSPHIDE
Class (IMDG)	:	4.3
Subsidiary risk	:	6.1
Packing group (IMDG)	:	I - substances presenting high danger

Air transport

UN-No. (IATA)	:	1397
Proper Shipping Name (IATA)	:	Aluminum phosphide,
Class (IATA)	:	4.3 (6.1) – Dang. When wet & Toxic
Packing group (IATA)	:	I - high danger

SECTION 15: Regulatory information

15.1. US Federal regulations

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

Keep out of Reach of children

DANGER- POISON

HAZARDOUS TO HUMANS AND DOMESTIC ANIMALS

Aluminum phosphide tablets or dust may be fatal if swallowed. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke while handling aluminum phosphide fumigants. If a sealed container is opened, or if the material comes in contact with moisture, water or acids, extremely toxic phosphine gas will be released. If a garlic odor is detected, you must monitor to determine whether phosphine gas is present above the acceptable exposure limits (see section on respiratory protection). Pure phosphine gas is odorless; the garlic odor is due to an inert ingredient added to the formulation. Since an odor may not be detected under certain circumstances, the absence of a garlic odor does not mean that phosphine gas is absent. Observe proper application, aeration, re-entry and disposal procedures specified elsewhere in the labeling to prevent overexposure.

Other Information

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Aluminum oxide	
CERCLA SARA	1.0 % de minimis

Aluminum Phosphide	
CERCLA SARA	1.0 % de minimis
RQ	100 lb

15.2. International regulations

No additional information availale

15.3. US State regulations

No additional information availale

SECTION 16: Other information

Indication of changes : Criteria of HazCom 2102 applied

Revision date : 04/24/2018

The information on this sheet is not a specification and does not guarantee specific properties. The information is intended to provide general knowledge as to health and safety based upon our knowledge of the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product or where instruction or recommendations are not followed.