

# PAX

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME	PAX
SUPPLIER OF THE SDS	Axis House Group (Pty) Ltd P O Box 26265 Hout Bay 7872
TELEPHONE NUMBER	+27 11 463-4888
EMERGENCY TELEPHONE	DRIZIT ENVIRONMENTAL (24 hours) +27 800 202 202

## 2. HAZARDS IDENTIFICATION



<b>SIGNAL WORD</b>	<b>Danger</b>
<b>Physical Hazard</b>	
Self-heating substances mixtures	Category 2
<b>Health Hazard</b>	
Acute toxicity, oral	Category 4
Skin Corrosion/irritation	Category 1A
<b>HAZARD STATEMENT(S)</b>	H252 – Self-heating in large quantities, may catch fire. H302- Harmful if swallowed. H314 – Causes severe skin burns and eye damage.
<b>PRECAUTIONARY STATEMENT(S)</b>	
<b>Prevention</b>	P261 – Avoid breathing in fumes. P210 – Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
<b>Response</b>	P301+P312 – IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell. P302 + P352 – IF ON SKIN: Wash with plenty of water. P304 + P340 + P312 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE/doctor if you feel unwell. P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>Storage</b>	P403 + P233 – Store in a well-ventilated place and keep the container tightly closed.
<b>Disposal</b>	P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Percentage
Potassium Amyl Xanthate	2720-73-2	>90
Potassium Hydroxide	1310-58-3	<1

### 4. FIRST AID MEASURES

#### SKIN CONTACT

Remove all contaminated clothing, flush area of contact with water for at least 15 minutes. Then wash with soap and water. If irritation persists, seek medical attention. Do not wash with solvent. Launder clothes before re-use.

#### EYE CONTACT

Check for and remove any contact lenses. Immediately flush eyes with water for at least 15 minutes, while holding eyelids open, seek medical attention at once. Cold water may be used. Do not use eye ointment. Remove to fresh air. Apply artificial respiration or administer oxygen if necessary. Seek prompt medical attention.

#### INHALATION

Do not induce vomiting. Loosen tight clothing. Seek medical attention immediately.

#### INGESTION

Precautions should always be taken to avoid contact or inhalation of fumes of any chemical substance. Precautions should always be taken to avoid skin/eye contact with any chemical substance.

### 5. FIRE FIGHTING MEASURES

#### EXTINGUISHING MEDIA

Dry chemical, water spray, chemical foam, carbon dioxide (CO<sub>2</sub>).

#### SUITABLE MEDIA

Do not use direct water jet.

#### UNSUITABLE MEDIA SPECIAL HAZARD ARISING FROM THE SUBSTANCE OR MIXTURE

Carbon oxides, Sulphur oxide, Potassium oxides. Combustible. Vapours are heavier than air and may spread along floors. Forms explosive mixtures with air on intense heating. Development of hazardous combustion gases or vapours possible in the event of fire.

#### PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Firefighters must wear self-contained breathing apparatus with full face mask. Firefighting suit may not be efficient against chemicals.

#### SPECIAL FIRE-FIGHTING PROCEDURE

Use water spray to cool fire-exposed containers. Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply.

### 6. ACCIDENTAL RELEASE MEASURES

#### CLEAN UP PROCEDURES

#### DRY SPILLS

Wear eye protection and gloves dusk mask if necessary. Collect in dry containers and seal to be reused. Do not dilute with water. Keep away from heat and sources of ignition. Do not let the product into drains. Avoid generation of dust.

#### WET SPILLS

Cover drains. Collect, bind and pump of spills. Safe-contained apparatus should be used. Xanthates may be recovered by leaching out with water, but if recovery is not possible bury waste in an

approved 'landfill' site. Flush remaining spill away with plenty of water.

## 7. HANDLING AND STORAGE

### HANDLING

Keep container closed. Use only with adequate ventilation. Do not inhale substances/mixture. Keep away from open flames, hot surfaces, and sources of ignition. Immediately change contaminated clothing. Apply skin protection. Wash hands and face after working with substance.

### STORAGE

Store in cool, dry place out of direct sunlight. Store in a well-ventilated area. Keep away from heat and sources of ignition.

## 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

### PRECAUTIONARY MEASURES

Avoid contact with skin and eyes. Avoid ingestion. Avoid breathing vapours. Never allow this product to come in contact with acids, do not try to neutralize with acids as toxic. Do not let product enter drains.

### PERSONAL PROTECTION

#### GLOVES/TYPE

Heavy natural rubber gloves.

#### RESPIRATOR/TYPE

Where vapours or mist are present, use an approved NIOSH/MSHA approved respirator appropriate for the indicated components, or use an approved air supplied respirator.

#### EYE/TYPES

Safety goggles with side shields.

#### FOOTWEAR/TYPE

Rubber safety boots.

#### CLOTHING/TYPE

Wear adequate protective clothes.

#### OTHER/TYPE

An eye wash station and safety shower should be near the work area.

### ENGINEERING CONTROLS

Adequate ventilation to keep vapours low.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Powder or Pellets

### Colour

Yellow or grey

### Odour

Unpleasant sulphurous odour

### Melting Point

± 100°C

### Freezing point

Not determined.

### Flash Point & Method

Not applicable

### Auto-ignition Temperature

± 90°C for carbon disulphide vapours

### Vapour Pressure (mm/Hg)

Not available

### Solubility in water

± 570 g/L

## 10. STABILITY AND REACTIVITY

### STABILITY

Stable when kept in cool dry storage in original packaging.

Xanthate decomposes on heating or in contact with water.

Strong acids and oxidizing agents.

### MATERIALS TO AVOID

Carbon disulphide, trithiocarbonate, hydrogen sulphide.

### HAZARDOUS DECOMPOSITION PRODUCTS

## 11. TOXICOLOGICAL INFORMATION

### Information on Toxicological effects

LD50 (oral) - Rat	500 - 2000 mg/kg
LC50 (inhalation) - Rat, 4h	1.5 mg/l

<b>IRRITANCY OF MATERIAL</b>	Irritant refer to route of entry.
<b>SENSITIZING CAPABILITY OF MATERIAL</b>	N/AV
<b>CARCINOGENICITY OF MATERIAL</b>	None known.
<b>REPRODUCTIVE EFFECTS</b>	No effects have been reported.
<b>SYNERGISTIC MATERIAL</b>	None known.
<b>MEDICAL CONDITIONS AGGRAVATED BY</b>	
<b>OVER EXPSCOURe</b>	Repeated, Long Exposure of workers resulted in headaches, dizziness, fatigue, weariness, and gastrointestinal symptoms.
<b>SKIN CONTACT</b>	Moderate skin irritation.
<b>EYE CONTACT</b>	Moderate eye irritation.
<b>INHALATION</b>	May cause respiratory irritation.

## 12. ECOLOGICAL INFORMATION

<b>TOXICITY TO FISH</b>	LC50 -Oncorhynchus mykiss (rainbow trout) -52 mg/l-96h NOEC-Brachydanio rerio (zebrafish)-5,26 mg/l -8d
<b>TOXICITY TO FISH (CHRONIC TOXICITY)</b>	NOEC-Danio rerio (zebra fish)-5,26 mg/l- 8d
<b>TOXICITY DAPHNIA</b>	LC50- Gammarus fasciatus (freshwater shrimp)- 52 mg/l-96h
<b>BIODEGRADABILITY</b>	Results: Inherently biodegradable. Remarks: Read across (Analogy).

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

## 13. DISPOSAL CONSIDERATIONS

<b>WASTE DISPOSAL METHOD</b>	Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate, or otherwise inappropriate. Please be advised that the state and local requirements for waste disposal may be more restrictive otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.
<b>CONTAMINATED PACKAGING</b>	Any containers or equipment used should be decontaminated immediately after use.

## 14. TRANSPORT INFORMATION



**UN-NUMBER**  
**PACKAGING GROUP**

3342

II

**ADR/RID**

**UN PROPER SHIPPING NAME** Xanthates  
**TRANSPORT HAZARD CLASSES** 4.2

**IMDG**

**UN PROPER SHIPPING NAME** Xanthates  
**TRANSPORT HAZARD CLASSES** 4.2

**IATA**

**UN PROPER SHIPPING NAME** Xanthates  
**TRANSPORT HAZARD CLASSES** 4.2

**15. REGULATORY INFORMATION****SUPPLY CLASSIFICATION**

**HAZARD SYMBOL(S)** None

**SAFETY PHRASES S61:** Avoid release to the environment. Refer to special instructions / Safety Data Sheet

**16. OTHER INFORMATION**

**Revision date:** January 2023

**SAFETY**

The data contained herein is believed to be accurate. However, neither the above-named supplier nor any of its subsidiaries assume any legal liability whatsoever for the accuracy or completeness of the information contained herein. Users should undertake sufficient verification and testing to determine the suitability for their own purpose of any product or inform.