

MINING COMMODITIES LIMITED

PHONE : + 44 1225 331514
FAX : + 44 1225 338842

#3, 46 GREAT PULTENEY STREET
BATH BA2 4DR, ENGLAND

Potassium Ethyl Xanthate (MSDS)

General

Synonyms: ethylxanthic acid potassium salt, potassium xanthogenate
Molecular formula: $\text{KC}_3\text{H}_5\text{S}_2\text{O}$
CAS No: 140-89-6
EINECS No: 205-439-3

Physical data

Appearance: white to light yellow pellets
Melting point: ca. 213°C (decomposes)
Density (g cm^{-3}): 1.558
Flash point: 96°C
Molecular Weight: 160.30

Stability

Stable. Incompatible with strong acids, strong bases, strong oxidizing agents.

Toxicology

Harmful by inhalation, ingestion or if absorbed through skin.

Toxicity data

ORL-RAT LD50 1700 mg kg^{-1}

Risk phrases

R20 R21 R22 R36 R37 R38.

Transport information

UN No. 3342, IMO Class:4.2, ADR.RIC Code 6.1. Packing group II.

Personal protection

Safety glasses, adequate ventilation.

First Aid

EYE CONTACT: Check for and remove any contact lenses. IMMEDIATELY flush eyes with running water for at least 15 minutes while keeping eyes open. COLD water may be used. Seek medical attention.

SKIN CONTACT: After contact with skin, wash with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. COLD water may be used. Cover the irritated skin with an emollient. Seek medical attention. Wash any contaminated clothing before reusing.

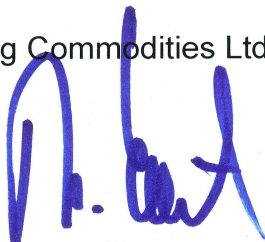
INHALATION: Remove victim from source of exposure to fresh air. If breathing is difficult administer oxygen. Seek medical attention.

INGESTION: Do not induce vomiting. Give water to victim to drink. Seek medical attention

Storage

Heating or overexposure to moisture of solid xanthates or heating or aging of xanthate solutions causes some decomposition to poisonous and flammable carbon disulfide. Storage tanks should have certain design features for maximum safety, and vapour space should be free of sources of ignition. Store at $<32.2 - 10^{\circ}\text{C}$

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10 Sep. 2011

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Potassium Butyl Xanthate (MSDS)

General

Synonyms: ethylxanthic acid potassium salt, potassium xanthogenate
Molecular formula: $C_5H_9OS_2K$
CAS No: 871-58-9
EINECS No: 212-808-2

Physical data

Appearance: yellow to green pellets
Melting point: ca. 150-250°C (decomposes)
Density ($g\ cm^{-3}$): 1.476
Flash point: -22 (-30°C) carbon disulphide method
Molecular Weight: 188.34

Stability

Stable. Incompatible with strong acids, strong bases, strong oxidizing agents.

Toxicology

Harmful by inhalation, ingestion or if absorbed through skin.

Toxicity data

ORL-RAT LD50 1700 $mg\ kg^{-1}$

Risk phrases

R20 R21 R22 R36 R37 R38.

Transport information

UN No. 3342, IMO Class:4.2, ADR.RIC Code 6.1. Packing group II.

Personal protection

Safety glasses, adequate ventilation.

First Aid

EYE CONTACT: Check for and remove any contact lenses. IMMEDIATELY flush
Eyes with running water for at least 15 minutes while keeping eyes open. COLD water
may be used. Seek medical attention.

SKIN CONTACT: After contact with skin, wash with plenty of water. Gently and thoroughly wash
the contaminated skin with running water and non-abrasive soap. COLD water may be used.
Cover the irritated skin with an emollient. Seek medical attention. Wash any contaminated
clothing before reusing.

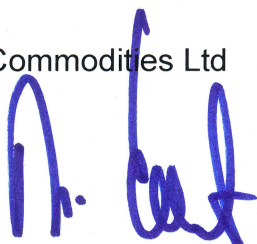
INHALATION: Remove victim from source of exposure to fresh air. If breathing is difficult
administer oxygen. Seek medical attention.

INGESTION: Do not induce vomiting. Give water to victim to drink. Seek medical attention

Storage

Heating or overexposure to moisture of solid xanthates or heating or aging of xanthate solutions
causes some decomposition to poisonous and flammable carbon disulfide. Storage tanks should have
certain design features for maximum safety, and vapour space should be free of sources of ignition. Store
at $<32.2 - 10^{\circ}C$

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Sodium Isopropyl Xanthate (MSDS)

General

Synonyms: Sodium Propan – 2yloxymethanedithioate
Molecular formula: $C_4H_7NaOS_2$
CAS No: 140-93-20
EINECS No: 205-443-5

Physical data

Appearance: yellow to light green pellets
Melting point: ca. $124^{\circ}C$ (decomposes)
Density ($g\ cm^{-3}$): 1.263
Flash point: Not applicable
Molecular Weight: 158.22

Stability

Stable. Incompatible with strong acids, strong bases, strong oxidizing agents.

Toxicology

Harmful by inhalation, ingestion or if absorbed through skin.

Toxicity data

ORL-RAT LD50 1700 $mg\ kg^{-1}$

Risk phrases

R20 R21 R22 R36 R37 R38.

Transport information

UN No. 3342, IMO Class:4.2, ADR.RIC Code 6.1. Packing group II.

Personal protection

Safety glasses, adequate ventilation.

First Aid

EYE CONTACT: Check for and remove any contact lenses. IMMEDIATELY flush
Eyes with running water for at least 15 minutes while keeping eyes open. COLD water
may be used. Seek medical attention.

SKIN CONTACT: After contact with skin, wash with plenty of water. Gently and thoroughly wash
the contaminated skin with running water and non-abrasive soap. COLD water may be used.
Cover the irritated skin with an emollient. Seek medical attention. Wash any contaminated
clothing before reusing.

INHALATION: Remove victim from source of exposure to fresh air. If breathing is difficult
administer oxygen. Seek medical attention.

INGESTION: Do not induce vomiting. Give water to victim to drink. Seek medical attention

Storage

Heating or overexposure to moisture of solid xanthates or heating or aging of xanthate solutions
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