SUVCHEM
LABORATORY CHEMICALS

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MATERIAL SAFETY DATA SHEET (MSDS)

POTASSIUM PYROANTIMONATE AR (POTASSIUM ANTIMONATE)

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product name : Potassium Pyro Antimonate

CAS-No. : 12208-13-8

Product Coad: P0169400500

Formula : KSb(OH)6

Molecular Weight : 262,9 g/mol

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Acute toxicity, Inhalation (Category 4)

Acute toxicity, Oral (Category 4)

Chronic aquatic toxicity (Category 2)

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Harmful by inhalation and if swallowed. Toxic to aquatic organisms, may cause long-term adverse effects

in the aquatic environment. Harmful by inhalation and if swallowed. Toxic to aquatic organisms, may causelong-term adverse effects in the aquatic environment.

Label elements

Labelling according Regulation (EC) No 1272/2008 [CLP]

PictogramSignal word Warning

Hazard statement(s)

H302 Harmful if swallowed.

H332 Harmful if inhaled.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statement(s) P273 Avoid release to the environment.

Supplemental Hazard Statements none

According to European Directive 67/548/EEC as amended.

Hazard symbol(s) R-phrase(s)

R20/22 Harmful by inhalation and if swallowed.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the

aquatic environment. S-phrase(s)

S61 Avoid release to the environment. Refer to special instructions/ Safety

data sheets.Other hazards - none

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Formula : KSb(OH)6

Molecular Weight : 262,9 g/mol

Component Concentration

Potassium hexahydroxoantimonate

CAS-No. 12208-13-8

EC-No. 235-387-7

Index-No. 051-003-00-9

4. FIRST AID MEASURES

Description of first aid measures

General advice:Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact:Wash off with soap and plenty of water. Consult a physician.

In case of eye contact:Flush eyes with water as a precaution.

If swallowed Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. Most important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical, and toxicological properties have not been

thoroughly investigated.

Indication of any immediate medical attention and special treatment needed:no data available

5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Special hazards arising from the substance or mixture Antimony oxide, Potassium oxides

Nature of decomposition products not known.

Potassium oxides, Antimony oxide

Advice for firefighters Wear self contained breathing apparatus for fire fighting if necessary.

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Further information The product itself does not burn.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure

adequate ventilation. Avoid breathing dust.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the

environment must be avoided.

Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed

containers for disposal. Reference to other sections

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Specific end uses:no data available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Components with workplace control parameters

Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and

at the end of workday.

Personal protective equipment

Eye/face protection:Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection:Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique(without touching glove's outer surface) to avoid skin contact with this product. Dispose of

contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands.

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The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and

the standard EN 374 derived from it.

Body Protection:Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator.For higher

level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges.

Use respirators and components tested and approved under appropriate government standards

such as NIOSH (US) or CEN (EU).

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

a) Appearance Form: solid Colour: white

b) Odour no data available

c) Odour Threshold no data available

d) pH no data available

e) Melting point/freezing point no data available

f) Initial boiling point and boiling range no data available

g) Flash point not applicable

h) Evaporation rate no data available

i) Flammability (solid, gas) no data available

j) Upper/lower flammability or explosive limits no data available

k) Vapour pressure no data available

l) Vapour density no data available

m) Relative density no data available

n) Water solubility no data available

o) Partition coefficient: noctanol/water no data available

p) Autoignition temperature no data available

q) Decomposition temperature no data available

r) Viscosity no data available

s) Explosive properties no data available

t) Oxidizing properties no data available

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Other safety information:no data available

10. STABILITY AND REACTIVITY

Reactivity:no data available

Chemical stability:no data available

Possibility of hazardous reactions:no data available

Conditions to avoid:no data available

Incompatible materials Strong acids

Hazardous decomposition products

Other decomposition products - no data available

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:no data available

Skin corrosion/irritation:no data available

Serious eye damage/eye irritation:no data available

Respiratory or skin sensitization:no data available

Germ cell mutagenicity:no data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as

probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity:no data available

Specific target organ toxicity - single exposure:no data available

Specific target organ toxicity - repeated exposure:no data available

Aspiration hazard:no data available

Potential health effects

Inhalation Harmful if inhaled. May cause respiratory tract irritation.

Ingestion Harmful if swallowed.

Skin May be harmful if absorbed through skin. May cause skin irritation.

Eyes May cause eye irritation.:Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been

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thoroughly investigated.:Additional Information

RTECS: Not available

12. ECOLOGICAL INFORMATION

Toxicity

Toxicity to daphnia and other aquatic

invertebrates

LC50 - Daphnia magna (Water flea) - > 164 mg/l - 24 h

Persistence and degradability:no data available

Bioaccumulative potential:no data available

Mobility in soil:no data available

Results of PBT and vPvB assessment:no data available

Other adverse effects

Toxic to aquatic life with long lasting effects.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Product Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

UN number

ADR/RID: 1549 IMDG: 1549 IATA: 1549

UN proper shipping name

ADR/RID: ANTIMONY COMPOUND, INORGANIC, SOLID, N.O.S. (Potassium hexahydroxoantimonate)

IMDG: ANTIMONY COMPOUND, INORGANIC, SOLID, N.O.S. (Potassium hexahydroxoantimonate)

IATA: Antimony compound, inorganic, solid, n.o.s. (Potassium hexahydroxoantimonate)

Transport hazard class(es)

ADR/RID: 6.1 IMDG: 6.1 IATA: 6.1

Packaging group

ADR/RID: III IMDG: III IATA: III

Environmental hazards

ADR/RID: yes IMDG Marine pollutant: yes IATA: no

Special precautions for user:no data available

15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

no data available

Chemical Safety Assessment:no data available

16. Other Information

Product Use: Laboratory Reagent.

In accordance with REACH Regulation (CE) Nº 1907/2006 and with CLP Regulation (CE) Nº 1272/2008

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