



Qualikems

Qualikems Lifesciences Pvt. Ltd.

(Formerly known as Qualikems fine chem Pvt Ltd)

Works : Plot No. 68-69,G.I.D.C Industrial Estate,Nandesari,Vadodara-391340 (Gujarat)

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SECTION1:Identificationofthesubstance/mixtureandofthecompany/undertaking

Productidentifiers

Productname : **Potassium Ferricyanide**

CAS-No. : 13746-66-2

Relevantidentifiedusesofthesubstanceormixtureandusesadvisedagainst

Identifieduses : Laboratorychemicals,Industrial&forprofessionaluseonly.

Detailsofthesupplierofthesafetydata sheet

Company : Qualikems Lifesciences Pvt Ltd

Works : Plot No. 68.69,G.I.D.C
Industrial Estate, Nandesari,
Vadodara-391340 (Gujarat)

Emergency telephone number

Emergency Phone # : +91-265-2841531 (9:00am - 6:30 pm) [Office hours]

SECTION2:Hazardsidentification

Classificationofthesubstanceormixture

NotahazardoussubstanceormixtureaccordingtoRegulation(EC)No.1272/2008.

ClassificationaccordingtoEUDirectives67/548/EECor1999/45/EC

R32

ForthefulltextoftheR-phrasesmentionedinthisSection,seeSection16.

Labellements

LabellingaccordingRegulation(EC)No1272/2008

Pictogram none

Signalword none

Hazard statement(s) none

Precautionarystatement(s) none

SupplementalHazardinformation(EU)

EUH032 Contactwithacidsliberatesverytoxicgas.

Other hazards- none

SECTION3:Composition/informationoningredients

Substances

Synonyms : Potassiumhexacyanoferrate(III)
Red prussiate

Formula : $K_3Fe(CN)_6$
MolecularWeight : 329,25g/mol
CAS-No. : 13746-66-2
EC-No. : 237-323-3

Nocomponentsneedtobedisclosedaccordingtotheapplicableregulations.

SECTION4:Firstaidmeasures

Descriptionoffirstaidmeasures General

advice

Consultaphysician.Showthissafetydatasheettothedoctorinattendance.

Ifinhaled

Ifbreathedin,movepersonintofreshair.Ifnotbreathing,giveartificialrespiration.Consultaphysician.

Incaseofskincontact

Washoffwithsoapandplentyofwater.Consultaphysician.

Incaseofeyecontact

Flusheyeswithwaterasaprecaution.

Ifswallowed

Nevergiveanythingbymouthtoanunconsciousperson.Rinsemouthwithwater.Consultaphysician.

Most importantsymptomsandeffects,bothacuteanddelayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Indicationofanyimmediate medicalattentionandspecialtreatmentneeded

nodataavailable

SECTION5:Firefightingmeasures

Extinguishing

mediaSuitableextinguishing

media

Drypowder

Specialhazardsarisingfromthesubstanceormixture

Carbonoxides,nitrogenoxides(NOx),Potassiumoxides,Ironoxides

Adviceforfirefighters

Wearselfcontainedbreathingapparatusforfirefightingifnecessary.

Furtherinformation

nodataavailable

SECTION6:Accidentalreleasemeasures

Personalprecautions,protectiveequipmentandemergencyprocedures

Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Avoid breathing dust.

Forpersonalprotectionseesection8.

Environmentalprecautions

Donotletproductenterdrains.

Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Do not flush with water. Keep in suitable, closed containers for disposal.

Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

Precautions for safe handling

Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed.

For precautions see section 2.2.

Conditions for safe storage, including any incompatibilities

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

Never allow product to get in contact with water during storage. Do not store near acids.

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

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

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.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Do not let product enter drains.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

- | | |
|--------------------|-------------------|
| a) Appearance | Form: powder |
| b) Odour | no data available |
| c) Odour Threshold | no data available |

d) pH	6,0-9at329g/lat25°C
e) Melting point/freezing point	nodataavailable
f) Initial boiling point and boiling range	nodataavailable
g) Flashpoint	notapplicable
h) Evaporationrate	nodataavailable
i) Flammability(solid,gas)	nodataavailable
j) Upper/lower flammability or explosivelimits	nodataavailable
k) Vapourpressure	nodataavailable
l) Vapourdensity	nodataavailable
m) Relativedensity	1,890g/cm3
n) Watersolubility	329g/lat20°C-completelysoluble
o) Partition coefficient: n-octanol/water	nodataavailable
p) Auto-ignition temperature	nodataavailable
q) Decomposition temperature	nodataavailable
r) Viscosity	nodataavailable
s) Explosiveproperties	nodataavailable
t) Oxidizingproperties	nodataavailable

Othersafetyinformation

nodataavailable

SECTION10:Stabilityandreactivity

Reactivity

Contactwithacidsliberatesverytoxicgas.

Chemicalstability

Stableunderrecommendedstorageconditions.

Possibilityof hazardousreactions

nodataavailable

Conditionstoavoid

nodataavailable

Incompatiblematerials

Strongacids,Strongoxidizingagents,Ammonia, hydrochloricacid, Cyanides

Hazardousdecompositionproducts

Otherdecompositionproducts-nodataavailable In the event of fire: see section 5

SECTION11:Toxicologicalinformation

Informationontoxicologicaleffects Acute

toxicity

nodataavailable

LD50Oral-mouse-2.970mg/kg

Skincorrosion/irritation

nodataavailable

Seriouseyedamage/eyeirritation

nodataavailable

Respiratoryorskinsensitisation

nodataavailable

Germcellmutagenicity

nodataavailable

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.

Reproductivetoxicity

nodataavailable

Specifictargetorgantoxicity-singleexposure

nodataavailable

Specifictargetorgantoxicity-repeatedexposure

nodataavailable

Aspirationhazard

nodataavailable

AdditionalInformation

RTECS:LJ8225000

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

SECTION12:Ecologicalinformation**Toxicity**

Toxicity to fish LC50-Oncorhynchusmykiss(rainbowtrout)-869mg/l-96h

Toxicity to daphnia and otheraquatic invertebrates EC50-Daphniamagna(Waterflea)-549mg/l-48h

Persistence anddegradability

nodataavailable

Bioaccumulativepotential

nodataavailable

Mobilityinsoil

nodataavailable

ResultsofPBTandvPvBassessment

PBT/vPvBassessmentnotavailableaschemical safetyassessmentnotrequired/notconducted

Otheradverseeffects

nodataavailable

SECTION13:Disposalconsiderations**Wastetreatmentmethods****Product**

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner andscrubber. Offer surplus andnon-recyclablesolutions to a licensed disposalcompany.

Contaminatedpackaging

Disposeofasunusedproduct.

SECTION14:Transportinformation

UNnumber

ADR/RID:-

IMDG:-

IATA:-

UN proper shipping name ADR/RID:

Notdangerousgoods

IMDG: Notdangerousgoods

IATA: Notdangerousgoods

Transport hazard class(es)

ADR/RID:-

IMDG:-

IATA:-

Packaginggroup

ADR/RID:-

IMDG:-

IATA:-

Environmentalhazards

ADR/RID:no

IMDGMarinepollutant:no

IATA:no

Specialprecautions foruser

nodataavailable

SECTION15:Regulatoryinformation

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

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

nodataavailable

Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

SECTION16:Otherinformation

Full text of R-phrases referred to under sections 2 and 3

R32

Contact with acids liberates very toxic gas.

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Qualikems Lifesciences Pvt. Ltd and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.qualikems.com for additional terms and conditions of sale.