



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 : **Chromium Metal**

CAS-No. : 7440-47-3

Relevantidentifiedusesofthesubstanceor mixtureanduses advisedagainst

Identifieduses : Laboratorychemicals,Industrial&forprofessionaluseonly.

Detailsofthesupplierofthesafetydatasheet

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.

Labellements

Labellingaccording Regulation(EC)No1272/2008

Pictogram none

Signalword none

Hazardstatement(s) none

Precautionarystatement(s) none

SupplementalHazard
Statements none

Safetydatasheetavailableonrequest.

Otherhazards

This substance/mixture 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.

SECTION3:Composition/informationoningredients

Substances

Formula : Cr
Molecularweight : 51.10g/mol
CAS-No. : 7440-47-3
EC-No. : 231-157-5

Hazardousingredientsaccording toRegulation(EC)No1272/2008

Component	Classification	Concentration
Chromium		
CAS-No.	7440-47-3	<=100%
EC-No.	231-157-5	

SECTION4:Firstaidmeasures

Description offirstaidmeasures If

inhaled

Ifbreathedin,movepersonintofreshair.Ifnotbreathing,giveartificialrespiration.

Incaseofskincontact

Washoffwithsoapandplentyofwater.

Incaseofeyecontact

Flusheyeswithwaterasaprecaution.

Ifswallowed

Nevergiveanythingbymouthtoanunconsciousperson.Rinsemouthwithwater.

Most importantsymptomsandeffects,bothacuteanddelayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section11

Indicationofany immediatemedicalattentionandspecialtreatmentneeded

Nodataavailable

SECTION 5:Firefightingmeasures

ExtinguishingmediaSuitableexting

uishingmedia

Usewaterspray,alcohol-resistantfoam,drychemicalorcarbondioxide.

Specialhazardsarisingfromthesubstanceormixture

Chromiumoxides

Adviceforfirefighters

Wearself-containedbreathingapparatusforfirefightingifnecessary.

Furtherinformation

Nodataavailable

SECTION 6:Accidentalrelease measures

Personalprecautions,protectiveequipmentandemergencyprocedures

Avoiddustformation.Avoidbreathingvapours,mistorgas. For personal protection see section 8.

Environmentalprecautions

Nospecialenvironmentalprecautionsrequired.

Methodsandmaterialsforcontainmentandcleaningup

Sweepupandshovel.Keepinsuitable,closedcontainersfordisposal.

Referencetoothersections

For disposal see section 13.

SECTION 7: Handling and storage

Precautions for safe handling

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.

Air sensitive.

Storage class (TRGS 510): Non Combustible Solids

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

Exposure controls

Appropriate engineering controls

General industrial hygiene practice.

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

Respiratory protection is not required. Where protection from nuisance (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

No special environmental precautions required.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

- | | |
|---------------------------------|--------------------------------------|
| a) Appearance | Form: granules
Colour: light grey |
| b) Odour | odourless |
| c) Odour Threshold | No data available |
| d) pH | No data available |
| e) Melting point/freezing point | Melting point/range: 1,857°C-lit. |

f) Initial boiling point and boiling range	2,672°C-lit.
g) Flashpoint	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	7.14 g/mL at 25°C
n) Water solubility	No data available
o) Partition coefficient: n-octanol/water	No data available
p) Auto-ignition 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

Other safety information

No data available

SECTION 10: Stability and reactivity

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

No data available

Conditions to avoid

No data available

Incompatible materials

Strong acids, Strong oxidizing agents

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Chromium oxides
Other decomposition products - No data available
In the event of fire: see section 5

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

No data available Chromium

Skin corrosion/irritation

No data available (Chromium)

Serious eye damage/eye irritation

No data available (Chromium)

Respiratory or skin sensitisation

No data available (Chromium)

Germ cell mutagenicity

No data available (Chromium)

Carcinogenicity

IARC: 3-Group 3: Not classifiable as to its carcinogenicity to humans (Chromium)

Reproductive toxicity

No data available (Chromium)

Specific target organ toxicity - single exposure

No data available (Chromium)

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available (Chromium)

Additional Information

RTECS: GB4200000

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

SECTION 12: Ecological information**Toxicity**

Toxicity to fish	LC50-Cyprinus carpio (Carp)-14.3 mg/l-96h (Chromium)
Toxicity to daphnia and other aquatic invertebrates	EC50-Daphnia magna (Water flea)-0.07 mg/l-48h (Chromium)

Persistence and degradability

No data available

Bioaccumulative potential

Bioaccumulation: Oncorhynchus mykiss (rainbow trout)-30d -50 µg/l (Chromium)

Bioconcentration factor (BCF): 1.03-1.22

Mobility in soil

No data available (Chromium)

Results of PBT and vPvB assessment

This substance/mixture 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.

Other adverse effects

No data available

SECTION 13: Disposal considerations**Waste treatment methods****Product**

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

Contaminated packaging
Dispose of as unused product.

SECTION 14: Transport information

UN number

ADR/RID:-

IMDG:-

IATA:-

UN proper shipping name ADR/RID:

Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

Transport hazard class(es)

ADR/RID:-

IMDG:-

IATA:-

Packaging group

ADR/RID:-

IMDG:-

IATA:-

Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

Special precautions for user

No data available

SECTION 15: Regulatory information

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

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

Chemical safety assessment

For this product a chemical safety assessment was not carried out

SECTION 16: Other information

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.