

MATERIAL SAFETY DATA SHEET

Chemical Product

Product Name: DITHIOOXAMIDE AR

CAS#: 79-40-3

Synonym: Rubenic Acid,
Dithiooxalic diamide

Chemical Name:

Dithiooxamide AR

Chemical Formula: C₂H₄N₂S₂

Composition and Information on Ingredients

Name	S.K.U	% by Weight
DITHIOOXAMIDE AR	GCS-2477	100

Hazards Identification

Risk advice to man and the environment:

Harmful if swallowed. Irritating to eyes, respiratory system and skin.

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:

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed:

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Fire and Explosion Data

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

Accidental Release Measures

Personal precautions:

Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

Environmental precautions:

Do not let product enter drains.

Methods for cleaning up:

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

Handling and Storage

Handling:

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Storage:

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

Exposure Controls/Personal Protection

Personal protective equipment

Respiratory protection:

Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection:

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Handle with gloves.

Eye protection: Safety glasses.

Skin and body protection:

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Physical and Chemical Properties**Physical state and appearance****: Solid.**

Odor

: Not available.

Taste

: Not available.

Appearance Form

: Powder.

Colour

: Dark red.

Molecular Weight

: 120.2 g/mole

pH

: No data available.

Melting point

: $\geq 300\text{ }^{\circ}\text{C}$

Boiling point

: No data available.

Flash point : No data available.

Ignition temperature : No data available.

Lower explosion limit : No data available.

Upper explosion limit : No data available.

Water solubility : No data available.

Stability and Reactivity Data**Storage stability:**

Stable under recommended storage conditions.

Materials to avoid: Oxidizing agents.

Hazardous decomposition products:

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NO_x), Sulphur oxides.

Toxicological Information**Acute toxicity:**

LD50 Oral - mouse - 350 mg/kg

Remarks: Behavioral: Somnolence (general depressed activity). Behavioral:

Convulsions or effect on seizure threshold. Behavioral: Change in motor activity (specific assay).

Irritation and corrosion: No data available.

Sensitisation: No data available.

Chronic exposure

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.

Signs and Symptoms of Exposure:

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

Potential Health Effects

Inhalation May be harmful if inhaled. Causes respiratory tract irritation.

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

Eyes Causes eye irritation.

Ingestion Harmful if swallowed.

Ecological Information

Elimination information (persistence and degradability): No data available.

Ecotoxicity effects: No data available.

Further information on ecology: No data available

Disposal Considerations

Product:

Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging: Dispose of as unused product.

Transformation Information

Land transport (ADR-RID)

General information: Not regulated.

Sea transport (IMDG) [English only]

General information: Not regulated.

Air transport (ICAO-IATA) [English only]

General information: Not regulated.

Other Regulatory Information

Labelling
according to EC
Directives Hazard
symbols:

Xn Harmful.

R-phrase(s):

R22 Harmful if swallowed.

R36/37/38 Irritating to eyes, respiratory system and skin.

S-phrase(s):

S36/37 Wear suitable protective clothing and gloves.

Additional Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:

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