

R-(-)-Glucoraphanin Potassium Salt: sc-359618



The Power to Question

MATERIAL SAFETY DATA SHEET

1 Identification of the substance/mixture and of the company/undertaking

Product Name: R-(-)-Glucoraphanin Potassium Salt
Catalog Number: sc-359618
Synonyms: 4-Methylsulfinylbutylglucosinate potassium salt; GLUCORAPHANIN; 4-METHYLSULFINYL-BUTYLGLUCOSINOLATE; 1-Thio- β -D-glucopyranose 1-[N-(hydroxysulfonyloxy)-5-(methylsulfinyl)pentanimidate]; 1-Thio- β -D-glucopyranose 1-[N-(hydroxysulfonyloxy)-5-methylsulfinylpentanimidate]; N-(Hydroxysulfonyloxy)-5-(methylsulfinyl)pentanimidothioic acid β -D-glucopyranosyl ester;
CAS Number: 21414-41-5
Supplier: Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, CA 95060
800.457.3801 or 831.457.3800
Emergency: ChemWatch
Within the US & Canada: 877-715-9305
Outside the US & Canada: +800 2436 2255 (1-800-CHEMCALL) or call +613 9573 3112

2 Hazards identification

Classification according to Regulation (EC) No 1272/2008: The substance is not classified according to the CLP regulation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC: Not applicable.

Information concerning particular hazards for human and environment: Not applicable.

Labelling according to Regulation (EC) No 1272/2008: N/A

Hazard pictograms: N/A

Signal word: N/A

Hazard-determining components of labelling: N/A

Hazard statements: N/A

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3 Composition/information on ingredients

Chemical characterization: Substances

<i>CAS No.</i>	<i>Description:</i>
21414-41-5	R-(-)-Glucoraphanin . potassium salt

Identification number(s): Not applicable

4 First aid measures

Description of first aid measures

General information: No special measures required.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Seek medical attention if symptoms appear. Remove contaminated clothing.

After eye contact: Rinse opened eye for several minutes under running water.

After ingestion: Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek medical attention if symptoms appear. Provide MSDS and label information if possible.

Information for doctor: Treat symptomatically. No further relevant information available.

5 Firefighting measures

Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture: No further relevant information available.

Advice for firefighters

Protective equipment: Wear self-contained respiratory protective device. Do not inhale explosion gases or combustion gases. Wear fully protective suit.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures: AN/A formation of dust. Wear protective clothing.

Environmental precautions: No special measures required.

Methods and material for containment and cleaning up: Pick up mechanically.

Reference to other sections

No dangerous substances are released.

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

Precautions for safe handling: Store in cool, dry place in tightly closed receptacles.

Information about fire – and explosion protection: Do not breathe dust.

Storage:

Requirements to be met by storerooms and receptacles: Store tightly sealed in a cool, dry and well ventilated location (see label for storage temperature and additional specific information). Store at room temperature.

Information about storage in one common storage facility: Keep away from heat, sources of ignition and incompatibles such as oxidizing agents.

Further information about storage conditions: Store under lock and key and with access restricted to technical experts or their assistants only.

Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

Control parameters

Ingredients with limit values that require monitoring at the workplace: Not required.

Additional information: The lists valid during the making were used as basis.

Exposure controls

Personal protective equipment:

General protective and hygienic measures: Do not eat, drink, smoke or sniff while working. Avoid any and all modes of exposure.

Respiratory protection: Do not breathe dust.

Protection of hands: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. The glove material has to be impermeable and resistant to the product/the substance/the preparation.

Material of gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Safety glasses

9 Physical and chemical properties

Form: Solid

Odor: Characteristic

Odor threshold: Not determined.

pH-value:	Not applicable.
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.
Flash point:	Not applicable.
Flammability (solid, gaseous):	Product is not flammable.
Ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
Self-igniting:	Not determined.
Danger of explosion:	No explosion hazard.
Lower :	Not determined.
Upper Explosion limits:	Not determined.
Vapor pressure:	Not applicable.
Density:	Not determined.
Relative density:	Not determined.
Vapor density:	Not applicable.
Evaporation rate:	Not applicable.
Water Solubility:	Not determined.
Dynamic Viscosity:	Not applicable.
Kinematic Viscosity:	Not applicable.
Segregation coefficient (n-octanol/water):	Not determined.

10 Stability and reactivity

Reactivity

Chemical stability: Stable. Avoid strong oxidizing agents.

Thermal decomposition / conditions to be aN/Aed: No decomposition if used according to specifications.

Possibility of hazardous reactions: No dangerous reactions known.

Conditions to aN/A: No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification: Not applicable

Primary irritant effect:

on the skin: No irritant effect.

on the eye: No irritating effect.

Sensitization: No sensitizing effects known.

Additional toxicological information: When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us. The substance is not subject to classification according to the latest version of the EU lists.

12 Ecological information

Toxicity

Aquatic toxicity: No further relevant information available.

Persistence and degradability: No further relevant information available.

Behaviour in environmental systems:

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects: No further relevant information available.

13 Disposal considerations

Waste treatment methods

Recommendation: Smaller quantities can be disposed of with household waste.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

14 Transport information

Maritime transport IMDG:

Marine pollutant: No

Special precautions for user: Not applicable.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

15 Regulatory information

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.

2/7/2011