



Supplier: Glycomix Ltd
The Science & Technology Centre
Earley Gate, Whiteknights Road
Reading, UK, RG6 6BZ

Telephone Number: (+44) 118 935 7285
Fax Number: (+44) 118 926 7917

Emergency telephone number: 07880742361: hours: 8.30 AM to 5.30 PM

UK Company Number 6376288

2. IDENTIFICATION

Product name: SOLANINE
Catalog Number: GS112
Synonyms: Not Available

UN/Id No: No UN Number allocated
Proper shipping name: No Dangerous goods class allocated
IATA Hazard Label(s): No Dangerous goods class allocated
Hazard Class No Dangerous goods class allocated
Subsidiary risk: No Subsidiary Risk allocated

Emergency Action Code (Hazchem code): No Hazchem Code allocated
Poisons schedule No. (Aust)/Toxic Substance (NZ): No Poisons Schedule Number allocated
Recommended use: Research product for non-human use

Component
SOLAMARGIN Present

3. PHYSICAL DESCRIPTION/PROPERTIES

Physical state: Solid
Formula: C₄₅H₇₃NO₁₅
Molecular weight: 868.06
Melting point/range: 271-273°C
Vapor pressure: Not determined
Solubility: Pyridine, Ethanol (hot)
Flash point: Not determined
Autoignition temperature: Not determined

Flammable limits in air - lower (%) : Not determined
Flammable limits in air - upper (%) : Not determined

4. INGREDIENTS

Components	CAS Number	Weight %	EC No.	Classification
SOLANINE	20562-02-1	100		--

5. HAZARDS IDENTIFICATION

EC Hazardous Statement: Not classified as hazardous according to criteria of NOHSC

Indication of Danger:
None.

Safety Phrases:
S36 - Wear suitable protective clothing.

6. HEALTH HAZARD INFORMATION

HEALTH EFFECTS

EMERGENCY OVERVIEW: May cause skin irritation and/or dermatitis
Principle routes of exposure: Skin
Inhalation: May cause irritation of respiratory tract
Ingestion: May be harmful if swallowed.
Skin contact: May cause allergic skin reaction
Eye contact: Avoid contact with eyes
Statements of hazard MAY CAUSE ALLERGIC SKIN REACTION.

Components	UK Exposure Standards - Carcinogens	UK Exposure Standards - Short
SOLANINE	Not Listed	Not Listed

Components	UK Exposure Standards - Skin E	UK Exposure Standards - Time W
SOLANINE	Not Listed	Not Listed

FIRST AID

General advice: In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
Inhalation: Move to fresh air. Call a physician immediately.
Skin contact: Rinse immediately with plenty of water and seek medical advice
Ingestion: Do not induce vomiting without medical advice.
Eye contact: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Protection of first-aiders: No information available
Notes to physician: None
Medical conditions aggravated by exposure: None known

7. PRECAUTIONS FOR USE

Section 8 Notes: TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life. According to current knowledge this concentration should neither impair the health or, not cause undue discomfort to, nearly all workers.

Engineering measures: Ensure adequate ventilation.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection: Self-contained breathing apparatus

Hand protection: Pvc disposable gloves

Skin and body protection: Usual safety precautions while handling the product will provide adequate protection against this potential effect.

Eye protection: Safety glasses

Hygiene measures: Avoid contact with skin, eyes and clothing.



8. SAFE HANDLING INFORMATION

Storage:

ROOM TEMPERATURE

Handling:

Safe handling advice:

Use only in area provided with appropriate exhaust ventilation.

Wear personal protective equipment.

Stability:

Polymerization:

Hazardous decomposition products:

Stable under recommended storage conditions.

None under normal processing.

Nitrogen oxides (NOx)/ammonia/CN-

Materials to avoid:

Conditions to avoid:

Strong oxidising agents

Exposure to air or moisture over prolonged periods.

Spills and Disposal:

Personal precautions:

Environmental precautions:

Methods for cleaning up:

Waste from residues / unused products:

Use personal protective equipment.

Prevent product from entering drains.

Sweep up and shovel into suitable containers for disposal.

Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority. Residue from fires extinguished with this material may be hazardous.

Do not re-use empty containers

Contaminated packaging:

Fire/Explosion Hazards:

Suitable extinguishing media:	Use dry chemical, CO2, water spray or "alcohol" foam
Specific hazards:	Burning produces irritant fumes.
Unusual hazards:	None known
Special protective equipment for firefighters:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear
Specific methods:	Water mist may be used to cool closed containers.

9. TOXICOLOGICAL INFORMATION

Product Information

Acute toxicity

Components	RTECS Number:	Selected LD50s and LC50s
SOLANINE	WF1300023	Oral LD50 Rat : 4978 mg/kg Oral LD50 Mouse : 27500 ug/kg

Chronic toxicity:	Chronic exposure may cause nausea and vomiting, higher exposure causes unconsciousness.
Local effects:	Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.
Specific effects:	May include moderate to severe erythema (redness) and moderate edema (raised skin), nausea, vomiting, headache.
Carcinogenic effects:	No data is available on the product itself.
Mutagenic effects:	No data is available on the product itself.
Reproductive toxicity:	No data is available on the product itself.

10. ECOLOGICAL INFORMATION

Mobility:	No data available
Bioaccumulation:	No data available
Ecotoxicity effects:	No data available
Aquatic toxicity:	May cause long-term adverse effects in the aquatic environment.

Components	U.S. DOT - Appendix B - Marine Pollutant	U.S. DOT - Appendix B - Severe Marine Pollutants	United Kingdom - The Red List:
SOLANINE	Not Listed	Not Listed	Not Listed

Components	Germany VCI (WGK)	World Health Organization (WHO) - Drinking Water	Ecotoxicity - Fish Species Data
SOLANINE	Not Listed	Not Listed	Not Listed

Components	Ecotoxicity - Freshwater Algae Data	Ecotoxicity - Microtox Data	Ecotoxicity - Water Flea Data
SOLANINE	Not Listed	Not Listed	Not Listed

Components	EPA - ATSDR Priority List	EPA - HPV Challenge Program Chemical List	California - Priority Toxic Pollutants
SOLANINE	Not Listed	Not Listed	Not Listed

Components	California - Priority Toxic Pollutants	California - Priority Toxic Pollutants
SOLANINE	Not Listed	Not Listed

11. TRANSPORT INFORMATION

IMDG/IMO

IMDG - Hazard Classifications	Not Applicable
IMDG - Marine Pollutants	Not Applicable
IMDG - Marine Pollutants	Not Applicable
IMDG - Regulated Substances	Not Applicable
IMDG - Severe Marine Pollutants	Not Applicable

IMO-labels:

Packing group:	None
Proper shipping name:	Not Regulated
UN/Id No:	Not regulated

ADR/RID

Australia Hazardous Statement:	Not classified as hazardous according to criteria of NOHSC
Hazard Class	No Dangerous goods class allocated
Item:	SOLAMARGIN
ADR/RID-labels:	No Dangerous goods class allocated
UN/Id No:	Not regulated
Emergency Action Code (Hazchem code):	Not required
Proper shipping name:	Not Regulated

ICAO:

Hazard Class	No Dangerous goods class allocated
Packing group:	None
Proper shipping name:	Not Regulated

12. REGULATORY INFORMATION

International inventories:

SOLANINE

EU EINECS List - 204-774-2; C45H73NO16

Indication of Danger:

None.

Safety Phrases: S36 - Wear suitable protective clothing.

13. OTHER INFORMATION

Prepared by: Health & Safety

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