

# Safety Data Sheet

In accordance with Regulation (EU) No 830/2015

Revision date: 26.03.2020 version 1

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name	40x One-step SOLIScript® Mix
Catalogue number	06-38-000S, 06-38-00250, 06-38-05000
REACH registration number	Not applicable
Recommended use of the chemical and uses advised against	This product is for Research Use Only. Not for consumer use.
Manufacturer/Supplier	Solis BioDyne OÜ Teaduspargi 9, 50411 Tartu, Estonia Tel. +372 740 9960, Fax. +372 740 2079
Information in case of emergency	Tel. +372 740 9960

## 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
Label elements	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
Physical hazards	Not hazardous
Health hazards	Not hazardous
Environmental hazards	Not hazardous
Explosion hazards	Not hazardous
Other hazards	This mixture does not contain any substances that are assessed to be a PBT or a vPvB

## 3. COMPOSITION/ INFORMATIONS ON INGREDIENTS

Hazardous/Non-hazardous Components:

Component	CAS-No.	EC No.	Weight %
Glycerol	56-81-5	200-289-5	50%

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

## 4. FIRST-AID MEASURES

Skin contact	Wash off with plenty of water, also under the eyelids, for at least 15 minutes
Eye contact	Rinse opened eye immediately with plenty of water. Remove contact lenses if present. If irritation persists, get medical attention.
Inhalation	Move to fresh air. Consult a physician if necessary.
Ingestion	Do not induce vomiting.
Most important symptoms and effects, both acute and delayed	No information available

Indication of any immediate medical attention and special treatment needed	None
Notes to physician	Treat symptomatically

## 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Dry chemical, CO <sub>2</sub> , water spary or alcohol resistant foam.
Unsuitable extinguishing media	No information available
Fire/Explosion hazards	Not applicable
Specific Hazards Arising from the Chemical	Keep product and empty container away from heat and sources of ignition.
Protective equipment and precautions for fire-fighters	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Use personal protective equipment. Ensure adequate ventilation, especially in confined areas.
Personal protective equipment	Use personal protection recommended in Section 8.
Environmental precautions	Do not allow to enter surface/ sewers or ground water. Prevent further leakage or spillage if safe to do so. See section 12 for additional information.
Methods and material for containment and cleaning up	Soak up with inert absorbent material

## 7. HANDLING AND STORAGE

Precautions for safe handling	Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation.
Conditions for safe storage, including any incompatibilities	Store at -20 °C. Keep/store only in original container and tightly closed.
Specific uses	For Research Use Only

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits	Contains no substances with occupational exposure limit values.		
Components with critical values that require monitoring at the workplace:			
Component	AGW (Germany)	PEL (USA)	TLV (USA)
Glycerol CAS-No. 56-81-5	Long-term value: 200 E mg/m <sup>3</sup> 2(l); DFG, Y	Long-term value: 15* 5* mg/m <sup>3</sup> mist; *total dust **respirable fraction	TLV withdrawn- insufficient data human occup. Exp.
Engineering measures	Showers. Eyewash stations. Ensure adequate ventilation.		
Personal protective equipment:			
Respiratory protection	Not required. Use in well ventilated areas.		
Skin and body protection	Wear suitable protective clothing and gloves		
Eye and face protection	Wear safety glasses with side shields (or goggles)		
Skin and body protection	Appropriate protective clothing.		
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice		

Protection of hands	Check protective gloves prior to each use for their proper condition. Material of gloves: Nitrile rubber, NBP Penetration time of glove material (in minutes): 480 Glove thickness: 0.11 mm
Environmental exposure controls	Prevent product from entering drains. Do not allow material to contaminate ground water system

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Slightly viscous liquid
Appearance	Colorless
Odour	Not defined
pH value	7.0-9.0. Contact to info@solisbiodyne.com for specific information
Melting point	No data available
Boiling point	No data available
Flash point	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Explosive properties	No data available
Vapor pressure	No data available
Relative density	No data available
Water solubility	No data available
Solubility in other solvents	No data available
Partition coefficient	No data available
Viscosity	No data available
Oxidizing properties	No data available
Other information	No data available

## 10. STABILITY AND REACTIVITY

Reactivity	No data available
Chemical stability	Stable under normal conditions
Possibility of hazardous reactions	Hazardous reaction has not been reported
Conditions to avoid	No information available
Incompatible materials	Strong oxidizing agents, acids and alkali
Hazardous decomposition products	None under normal conditions

## 11. TOXICOLOGICAL INFORMATION

Acute toxicity	Based on available data, the classification criteria are not met.		
Component Information:			
Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Glycerol	12600 mg/kg (Rat)	>10 g/kg (Rabbit)	>2.75 mg/L/4h (Rat) (mist)
Skin corrosion/irritation	May cause skin irritation		
Serious eye damage/irritation	May cause eye irritation		

Sensitization:	
Respiratory	Material may be irritating to mucous membranes and upper respiratory tract
Skin	Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
STOT-single exposure	No data available
STOT-repeated exposure	No data available
Aspiration hazard	No data available

## 12. ECOLOGICAL INFORMATION

Marine pollutant	No data available
Mobility	No data available
Persistence and degradability	No data available
Bioaccumulation	No data available
Ecotoxicity	This product is slightly hazardous for water Do not allow product to reach ground water, water course or sewage system
Other adverse effects	No data available

## 13. DISPOSAL CONSIDERATIONS

Waste handling and disposal	The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in according to approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations. Do not empty into drains. Do not dispose of waste into sewer.
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## 14. TRANSPORT INFORMATION

Land transport ADR/RID (cross-border):	
ADR/RID class	Not regulated
Air transport ICAO-TI and IATA-DGR:	
ICAO/IATA class	Not regulated
Additional information	This substance is considered to be non-hazardous for transport

## 15. REGULATORY INFORMATION

Labelling according to EU guidelines	This product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials
Chemical safety assessment	No Chemical safety assessment has been carried out

**16. OTHER INFORMATION**

Prepared by	Solis BioDyne / Product Manager
Reason for revision	Update according to Commission Regulation (EU) No 830/2015
Revision number	1
Revision date	26.03.2020
Revision note	SDS is valid 3 years from revision date. Contact <a href="mailto:info@solisbiodyne.com">info@solisbiodyne.com</a> for latest revision.

IMPORTANT: The information in this SDS is provided in good faith based on our knowledge as of the issue date (or subsequent revision date, if any), and is to be used only as a guide. This SDS does not constitute a guarantee (express or implied) of any kind and we make no warranties or merchantability or fitness for a particular purpose. This information relates only to the designated product as shipped and may not be valid if the product is used in combination with any other materials or is not used in accordance with our instructions. It is the responsibility of the buyer/user to ensure that its activities comply with all applicable governmental requirements. Since conditions of use of the product are not under the control of Solis BioDyne it is the duty of the buyer/user to determine the necessary conditions for the safe use of the product. Solis BioDyne will not be liable for any damages resulting from handling or contact with the product.

# Safety Data Sheet

In accordance with Regulation (EU) No 830/2015

Revision date: 26.03.2020 version 1

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name	5x One-step SolisGreen® Mix
Catalogue number	08-62-0000S, 08-62-00250, 08-62-05000
REACH registration number	Not applicable
Recommended use of the chemical and uses advised against	This product is for Research Use Only. Not for consumer use.
Manufacturer/Supplier	Solis BioDyne OÜ Teaduspargi 9, 50411 Tartu, Estonia Tel. +372 740 9960, Fax. +372 740 2079
Information in case of emergency	Tel. +372 740 9960

## 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture	Classification according to Regulation (EC) No 1272/2008
Physical hazards	Not hazardous
Health hazards	Not hazardous
Environmental hazards	Not hazardous
Explosion hazards	Not hazardous
Other hazards	This mixture does not contain any substances that are assessed to be a PBT or a vPvB

## 3. COMPOSITION/ INFORMATION ON INGREDIENTS

Hazardous/Non-hazardous Components:

The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

## 4. FIRST-AID MEASURES

Skin contact	Wash off with plenty of water. Immediate medical attention is not required.
Eye contact	Rinse opened eye immediately with plenty of water. Remove contact lenses if present. If irritation persists, get medical attention.
Inhalation	Move to fresh air. Consult a physician if necessary.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Consult a physician if necessary.
Most important symptoms and effects, both acute and delayed	No information available
Indication of any immediate medical attention and special treatment needed	None
Notes to physician	Treat symptomatically

**5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media	Dry chemical, CO <sub>2</sub> , water spray or alcohol resistant foam.
Unsuitable extinguishing media	No information available
Fire/Explosion hazards	Not applicable
Protective equipment and precautions for fire-fighters	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes

**6. ACCIDENTAL RELEASE MEASURES**

Personal precautions	Use personal protective equipment. Ensure adequate ventilation, especially in confined areas.
Personal protective equipment	Use personal protection recommended in Section 8.
Environmental precautions	Do not allow to enter surface/ sewers or ground water. Prevent further leakage or spillage if safe to do so. See section 12 for additional information.
Methods and material for containment and cleaning up	Soak up with inert absorbent material

**7. HANDLING AND STORAGE**

Precautions for safe handling	Handle in accordance with good industrial hygiene and safety practice
Conditions for safe storage, including any incompatibilities	Store at -20 °C. Keep/store only in original container.
Specific uses	For Research Use Only

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Exposure Limits	Contains no substances with occupational exposure limit values.
Engineering measures	Showers. Eyewash stations. Ensure adequate ventilation.
Personal protective equipment:	
Respiratory protection	Not required. Use in well ventilated areas.
Skin and body protection	Wear suitable protective clothing and gloves
Eye and face protection	Wear safety glasses with side shields (or goggles)
Skin and body protection	Appropriate protective clothing.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice
Environmental exposure controls	Prevent product from entering drains. Do not allow material to contaminate ground water system

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical state	Liquid
Appearance	Colorless
Odour	Not defined
pH value	7.0-9.0. Contact to <a href="mailto:info@solisbodyne.com">info@solisbodyne.com</a> for specific information
Melting point	No data available
Boiling point	No data available
Flash point	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available



Evaporation rate	No data available
Flammability (solid, gas)	No data available
Explosive properties	No data available
Vapor pressure	No data available
Relative density	No data available
Water solubility	No data available
Solubility in other solvents	No data available
Partition coefficient	No data available
Viscosity	No data available
Oxidizing properties	No data available
Other information	No data available

## 10. STABILITY AND REACTIVITY

Reactivity	No data available
Chemical stability	Stable under normal conditions
Possibility of hazardous reactions	Hazardous reaction has not been reported
Conditions to avoid	No information available
Incompatible materials	Strong oxidizing agents, acids and alkali
Hazardous decomposition products	No data available

## 11. TOXICOLOGICAL INFORMATION

Acute toxicity	There is no evidence available indicating acute toxicity
Skin corrosion/irritation	May cause skin irritation
Serious eye damage/irritation	May cause eye irritation
Sensitization:	
Respiratory	Material may be irritating to mucous membranes and upper respiratory tract
Skin	Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
STOT-single exposure	No data available
STOT-repeated exposure	No data available
Aspiration hazard	No data available

## 12. ECOLOGICAL INFORMATION

Marine pollutant	No data available
Ecotoxicity	No data available. Prevent product from entering drains. Do not allow material to contaminate ground water system.
Mobility	No data available
Persistence and degradability	No data available
Bioaccumulation	No data available
Ecotoxicity	This product is slightly hazardous for water. Do not allow product to reach ground water, water course or sewage system



Other adverse effects	No data available
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### 13. DISPOSAL CONSIDERATIONS

Waste handling and disposal	<p>The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in accordance with approved disposal technique</p> <p>Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations. Do not empty into drains. Do not dispose of waste into sewer.</p>
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### 14. TRANSPORT INFORMATION

Land transport ADR/RID (cross-border):	
ADR/RID class	Not regulated
Air transport ICAO-TI and IATA-DGR:	
ICAO/IATA class	Not regulated
Additional information	This substance is considered to be non-hazardous for transport

### 15. REGULATORY INFORMATION

Labelling according to EU guidelines	This product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials
Chemical safety assessment	No Chemical safety assessment has been carried out

### 16. OTHER INFORMATION

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## Important Note

### Water, Nuclease Free

In accordance with European Directive 1999/45/EC and Regulations 1907/2006/EC and 1272/2008/EC the product „Water, nuclease free“ does not require a Safety Data Sheet as it contains a quantity not exceeding 1% of components classified as dangerous and not greater than 0.1% of components classified as carcinogenic. For this reason Solis BioDyne provides no safety data sheet for this product. Despite working with these or any other chemical is always advisable to use protective gloves, suitable clothing and goggles. Solis BioDyne assumes no liability for damage to property and / or injury resulting from use and contact with this product.

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