

IoLiLyte SP-382+

Revision Date: 01/10/2011 Date Issued: 010/5/2017

1 IDENTIFICATION OF THE SUBSTANCE/MIXTRUE AND THE COMPANY/UNDERTAKING

Product name loLiLyte SP-382

Product code ES-0002-V18

Use of the mixture Electrolyte for dye-sensitised solar cells

Supplier IoLiTec

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2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture Classification (REGULTATION (EC) No 1272/2008)

Caution! Substance not yet fully tested. Risks cannot be excluded if the product is handled inappropriately. For laboratory use only!

Classification (67/548/EEC or 1999/45/EC)

Caution! Substance not yet fully tested. Risks cannot be excluded if the product is handled inappropriately. For laboratory use only!

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2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Substance not yet fully tested.

Hazard statements

H-phrases Substance not yet fully tested.

Precautionary statements

P phrases

P262: Do not get in eyes, on skin, or on clothing

P280: Wear protective gloves/ protective clothing/ eye

protection/ face protection

P305 + P351 + P338: IF IN EYES: Rinse continuously with water for

several minutes. Remove contact lenses if

present and easy to do - continue rinsing.

P313: Get medical advice/attention

Labelling (67/548/EEC or 1999/45/EC)

Substance not yet fully tested.

Risk phrases Not fully tested substance.

Safety phrases

S: 24/25 Avoid contact with skin and eyes.

S: 26 In case of contact with eyes, rinse immediately

with plenty of water and seek medical advice.

S: 36/37/39 Wear suitable protective clothing, gloves and

eye/face protection.

S:28, 2 After contact with skin, wash immediately with

plenty of water and liquid soap.

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3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name	CAS	Contents	Health(Class)	Risk(R/No.)
1-Methyl-3-propylimidazolium iodide	119171-18-5	~ 20 %	Substance not ye	et fully tested!
lodine	7553-56-2	~ 0,02 %	Xn, N	R 20/21, 50
N-Alkylbenzimidazole	42032-46-2	~ 11 %	Xi	R 36/37/38
Guanidine thiocyanate	593-84-0	~ 1%	Xn	R 20/21/22, 32
3-Methoxypropionitrile	110-67-8	~ 67 %	Xi	R 36/37/38

4 FIRST AID MEASURES

General Contaminated clothing should be removed and

washed before being reused.

Inhalation Move the exposed person to fresh air at once.

If respiratory problems, provide artificial

respiration/oxygen.

Ingestion Immediately rinse mouth and provide fresh air.

Do not induce vomiting. Get medical attention

immediately.

Skin Wash the skin immediately with soap and

water.

Eyes Promptly wash eyes with plenty of water while

lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention immediately.

Continue to rinse.

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5 FIRE FIGHTING MEASURES

Extinguishing media Use: Water spray, fog or mist. Carbon dioxides

(CO₂). Dry chemicals, sand, dolomite etc.

Special fire fighting procedures Avoid water in straight hose stream, will scatter

and spread fire. Keep run-off water out of sewers and water sources. Dike for water

control.

Unusual fire & explosion hazards

Protective measures in fire

Fire causes formation of toxic gases.

Wear self-contained breathing apparatus as

combustion may produce hazardous fumes.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions during spill Wear protective clothing and avoid inhalation of

vapor, skin or eye contact.

Precautions to protect

environment Avoid washing into water courses. Avoid

contaminating public drains or water supply.

Spill cleanup methodsAvoid contact with skin or inhalation of spillage,

dust or vapor, Avoid dust formation. Collect and reclaim or dispose in sealed containers in license waste. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking.

Ventilate.

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7 HANDLING AND STORAGE

Usage precautions Keep away from heat, sparks and open flame.

Do not use in confined spaces without

adequate ventilation and/or respirator.

Storage precautions Store at moderate temperatures in dry, well

ventilated area.

Storage criteria Chemical storage.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Protective equipment Safety goggles. Chemical resident gloves.

Protective clothing.

Process control measures Provide eyewash station and safety shower.

Use engineering controls to reduce air contamination to permissible exposure levels.

Ventilation Provide adequate general and local exhaust

ventilation.

RespiratorsUse high efficiency particulate respirator with

appropriate filter.

Other protection Wear overalls and industrial shoes.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance Liquid.

ColorDeeply colored.Odor/tasteNot available.

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10 STABILITY AND REACTIVITY

Stability No particular stability concerns.

Conditions to avoid Avoid contact to strong oxidizers, bases and

acids.

Hazardous

Decomposition Products High temperatures generate: Corrosive

gases/vapor/fumes of: Carbon dioxide (CO₂). Carbon monoxide (CO). Nitrous gases (NOx).

11 TOXICOLOGICAL INFORMATION

IngestionNot available.SkinNot available.EyesNot available.

Data on the toxicity of this mixture are not available. Hazardous properties cannot be excluded.

12 ECOLOGICAL INFORMATION

Environmental hazards Avoid washing into water courses. Avoid

contaminating public drains or water supply.

13 DISPOSAL CONSIDERATIONS

Disposal methodContact specialist disposal companies. Dispose

of in accordance with Local Authority

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requirements. Recover and reclaim or recycle,

if practical.

14 TRANSPORT INFORMATION

General Not classified as dangerous for transport

purposes.

UN No.

Road transport notes

Rail transport notes

Not classified as dangerous for road transport.

Not classified as dangerous for rail transport.

Sea transport notes

Not classified as dangerous for sea transport.

Air transport notes

Not classified as dangerous for air transport.

15 REGULATORY INFORMATION

Label for supply Substance not yet fully tested.

P phrases

P262: Do not get in eyes, on skin, or on clothing

P280: Wear protective gloves/ protective clothing/ eye

protection/ face protection

P305 + P351 + P338: IF IN EYES: Rinse continuously with water for

several minutes. Remove contact lenses if

present and easy to do – continue rinsing.

P313: Get medical advice/attention

Safety phrases

S: 24/25 Avoid contact with skin and eyes.

S: 26 In case of contact with eyes, rinse immediately

with plenty of water and seek medical advice.

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S: 36/37/39 Wear suitable protective clothing, gloves and

eye/face protection.

S:28,2 After contact with skin, wash immediately with

plenty of water and liquid soap.

Country specific information

Germany WGK: 3 (Self-Classification)

16 OTHER INFORMATION

DISCLAIMER

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