

SAFETY DATA SHEET

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

Guldets/Guldets Special/22196**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1. Product identifier**

Product name : Guldets/Guldets Special/22196

1.2. Relevant identified uses of the substance or mixture and uses advised against Relevant identified uses

Main use category : Professional use

Use of the substance/mixture : Electronics chemical

Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet**Supplier**

Sunchem AB
Box 69
S-433 21 Partille Sweden
T +46 31 447310 - F +46 31 449581
[E-mail: d.s@sunco.se](mailto:d.s@sunco.se)

Manufacturer

Sunchem AB
Box 69
S-433 21 Partille Sweden
T +46 31 447310 - F +46 31
449581
[E-mail: d.s@sunco.se](mailto:d.s@sunco.se)

Contact person : Dick Sundström

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number
United Kingdom	National Poisons Information Service (Newcastle Unit)	Claremont Place Newcastle-upon-Tyne, Newcastle	+44 191 2606182/+44 191 2606180 24H

SECTION 2: HAZARDS IDENTIFICATION**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

STOT RE 1 H372

Full text of H statements : see section 16

2.2. Label elements**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard pictograms (CLP) :

GHS08

Signal word (CLP) : Danger

Hazardous ingredients : potassium iodide

Hazard statements (CLP) : H372 - Causes damage to organs through prolonged or repeated exposure.

Precautionary statements (CLP) : P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P314 - Get medical advice/attention if you feel unwell.

2.3. Other hazards

Other hazards not contributing to the classification : None under normal conditions.

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
potassium iodide	(CAS-No.) 7681-11-0 (EC-No.) 231-659-4 (REACH-no) N/A	10 - 30	STOT RE 1, H372
iodine	(CAS-No.) 7553-56-2 (EC-No.) 231-442-4 (EC Index-No.) 053-001-00-3 (REACH-no) 01-2119485285-30	1 - 10	Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Dermal), H312 Aquatic Acute 1, H400

Full text of H-statements: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

First-aid measures general : Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.

First-aid measures after inhalation : Call a poison center or a doctor if you feel unwell. Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash with plenty of soap and water. Take off immediately all contaminated clothing. Get medical attention if any discomfort continues.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

First-aid measures after ingestion : Rinse nose, mouth and throat with water. Contact physician if larger quantity has been consumed. Do not give victim anything to drink if he is unconscious.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects : No specific symptoms noted.

Symptoms/effects after skin contact : Contact during a long period may cause light irritation.

Symptoms/effects after eye contact : Liquid splashes in the eye may cause irritation.

Symptoms/effects after ingestion : Ingestion may cause nausea and vomiting.

4.3. Indication of any immediate medical attention and special treatment needed

No specific first aid measures noted.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Non flammable.

Hazardous decomposition products in case of fire : Iodides of: Nitrous gases (NO_x).
Toxic gases/vapours/fumes.

5.3. Advice for firefighters

Firefighting instructions : Do not enter fire area without proper personal protective equipment, including respiratory protection. Exercise caution when fighting any chemical fire. Containers close to fire should be removed immediately or cooled with water.

Protection during firefighting : Wear self-contained breathing apparatus (SCBA) to prevent contact with thermal decomposition products.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Ensure adequate ventilation, especially in confined areas. Avoid contact with skin and eyes.
Use personal protective equipment as required.

For non-emergency personnel : Wear appropriate personal protective equipment - see Section 8.

Protective equipment : Keep public away from danger area.

Emergency procedures

For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Discharging into rivers and drains is forbidden. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Dispose of at a licensed waste collection centre.

Methods for cleaning up : Mechanically recover the product. Take up liquid spill into absorbent material. Post clean with water.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

See Section 8 for information on personal protection equipment. See section 13 for waste handling.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Precautions for safe handling : Ensure adequate ventilation. Avoid spilling, skin and eye contact. Avoid inhalation of vapours. Do not breathe dust/fume/gas/mist/vapours/spray.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands, forearms and face thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep cool. Store in a well-ventilated place. Keep container tightly closed.

7.3. Specific end use(s)

No additional data.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

iodine (7553-56-2)		
United Kingdom	Local name	Iodine
United Kingdom	WEL STEL (mg/m ³)	1.1 mg/m ³
United Kingdom	WEL STEL (ppm)	0.1 ppm

8.2. Exposure controls

Appropriate engineering controls	: Ensure good ventilation of the work station. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.
Hand protection	: For prolonged or repeated skin contact use suitable protective gloves. Viton. Neoprene. Butyl rubber. Nitril. Breakthrough time : 6 (> 480 minutes). Layer thickness : 0,2 - 0,4 mm. STANDARD EN 374.
Eye protection	: Use splash goggles when eye contact due to splashing is possible. STANDARD EN 166.
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. Use respiratory equipment with gas filter, type B. Standard EN 149.
Other information	: Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the protective equipment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
	:
Colour	: dark
	: brown.
Odour	: Characteristic.
	:
Odour threshold	: No data available
	:
pH	: No data available
	:
	No data available
Relative evaporation rate (butylacetate=1)	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	100 °C
Flash point	No data available

Auto-ignition temperature	No data available
Decomposition temperature	No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.2 g/cm ³ @ 20 °C
Solubility	: Very soluble in water. soluble in most organic solvents.
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Product is not explosive.
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No incompatible groups noted.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Stable under recommended handling and storage conditions (see section 7). Protect against frost.

10.5. Incompatible materials

None to our knowledge.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity : Not classified
Based on available data, the classification criteria are not met

potassium iodide (7681-11-0)	
LD50 oral rat	4340 mg/kg
iodine (7553-56-2)	
LD50 oral rat	14000 mg/kg
LC50 inhalation rat (Vapours - mg/l/4h)	> 0.8 mg/l/4h
Skin corrosion/irritation	: Not classified Based on available data, the classification criteria
Serious eye damage/irritation	: are not met Not classified Based on available data, the classification criteria
Respiratory or skin sensitisation	: are not met Not classified Based on available data, the classification criteria
Germ cell mutagenicity	: Based on available data, the classification criteria are not met Not classified
Carcinogenicity	: Based on available data, the classification criteria are not met Not classified
Reproductive toxicity	: Based on available data, the classification criteria are not met Not classified
STOT-single exposure	: Based on available data, the classification criteria are not met Not classified
STOT-repeated exposure	: Based on available data, the classification criteria are not met
Aspiration hazard	: Causes damage to organs through prolonged or repeated exposure. Not classified Based on available data, the classification criteria are not met

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - general : Not regarded as dangerous to the environment. This does not, however, rule out the possibility that large or frequent smaller emissions of the product may be harmful to the environment.

potassium iodide (7681-11-0)	
LC50 fish 1	896 mg/l (96 hours - Rainbow trout)
iodine (7553-56-2)	
LC50 fish 1	0.53 mg/l (96 hours - Rainbow trout)
EC50 Daphnia 1	1.73 mg/l (48 hours - Daphnia magna)
IC50 algae	48 mg/l

12.2. Persistence and degradability

Guldets/Guldets Special/22196	
Persistence and degradability	The product is potentially degradable.

iodine (7553-56-2)	
Persistence and degradability	The product is not biodegradable.

12.3. Bioaccumulative potential

Guldets/Guldets Special/22196	
Bioaccumulative potential	No bioaccumulation.

potassium iodide (7681-11-0)	
Bioconcentration factor (BCF REACH)	1.26
Log Pow	2.49

iodine (7553-56-2)	
Bioconcentration factor (BCF REACH)	5.37
Log Pow	2.49

12.4. Mobility in soil

Guldets/Guldets Special/22196	
Ecology - soil	The product contains substances, which are water soluble and may spread in water systems.

12.5. Results of PBT and vPvB assessment

Guldets/Guldets Special/22196	
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	

12.6. Other adverse effects

Other adverse effects : None to our knowledge.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Regional legislation (waste) : Dispose as hazardous waste.

Product/Packaging disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.

Additional information : The given LoW-code is a guiding, and the code depends on how the waste is formed. User must evaluate the choice of correct code.

European List of Waste (LoW) code : 11 01 99 - wastes not otherwise specified
16 05 07* - discarded inorganic chemicals consisting of or containing dangerous substances

SECTION 14: TRANSPORT INFORMATION

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not regulated for transport				
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
ADR	IMDG	IATA	ADN	RID
14.5. Environmental hazards				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
No supplementary information available				

14.6. Special precautions for user

- Overland transport

No data available

- Transport by sea

No data available

- Air transport

No data available

Rail transport

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

IBC code : No IBC-code for bulk transport offshore (MARPOL).

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

National regulations

EC-regulation 2015/830 /EC, 1907/2006/EC (REACH), 1272/2008/EC (CLP), 790/2009/EC. Transport of dangerous goods (ADR/RID, IMDG, IATA/ICAO). Workplace exposure limits.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: OTHER INFORMATION

Data sources : EC-regulation 2015/830 /EC, 1907/2006/EC (REACH), 1272/2008/EC (CLP), 790/2009/EC. Transport of dangerous goods (ADR/RID, IMDG, IATA/ICAO). Workplace exposure limits.

Full text of H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.

The information in this safety data sheet is based on information from the manufacturer/supplier, present european and national legislation, and presupposes that the product is used within the specified area of application.