

Safety data sheet

Guldets Buffrad

Version 1.0
Effective date: 22-03-2022



SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product identifier.

Trade name: Guldets Buffrad.

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

Product use: Professional use.
Electronics chemical.

1.3 Details of the supplier of the safety data sheet

Company: Sunchem AB
Box 69
S-433 21 Partille
Sverige
Tel: +46 31 447310
www.sunchem.se

Contact: info@sunco.se

1.4 Emergency telephone number:

Use your national or local emergency number.
United Kingdom: Contact The National Poisons Information Service (dial 111, 24 h service).

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture according to CLP No. 1272/2008/GB CLP. Eye Dam. 1; H318, STOT RE 1; H372.

2.2 Label elements CLP No. 1272/2008/GB CLP.

Hazard pictograms:



Signal word:
Danger

Contains: Aluminium nitrate nonahydrate, Potassium iodide.

Hazard statements:

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H318 Causes serious eye damage.

H372 Causes damage to organs through prolonged or repeated exposure.

Precautionary statements:

General:

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Prevention:

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

Storage:

-

Disposal:

-

Additional labelling:

-

2.3 Other hazards.

This mixture does not meet the criteria for PBT or vPvB according to regulation 1907/2006 REACH, annex XIII.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

The product is a mixture.

3.2 Mixture:

CAS/EC-no.	REACH-no.	Name	Content %	Classification CLP
7784-27-2 / 616-523-8	-	Aluminium nitrate nonahydrate	30-70	Eye Dam. 1; H318.
7681-11-0 / 231-659-4	-	Potassium iodide	10-20	STOT RE 1; H372.
7553-56-2 / 231-442-4	01-2119485285- 30	Iodine	1-5	Acute Tox. 4; H312+ H332, Aquatic Acute 1; H400 (M=1).

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See full text of H-phrases in section 16. Occupational limits, where applicable, are listed in section 8.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures.

General information:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a Poison Centre or doctor if you feel unwell.
Inhalation:	Call a Poison Centre or doctor if you feel unwell. Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Skin contact:	Wash with plenty of soap and water. Contaminated clothing must be removed immediately. Contact a doctor if symptoms persist.
Eye contact:	Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Check for and remove any contact lenses. Get medical attention immediately. Show this safety data sheet.
Ingestion:	Rinse nose, mouth and throat with water. Contact a doctor if a large amount is ingested. Do not give anything by mouth in case of unconsciousness.

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

Symptoms/effects: Causes damage to organs through prolonged or repeated exposure.
Symptoms/effects after skin contact: Prolonged contact may cause slight irritation.
Symptoms/effects after eye contact: Causes serious eye damage.
Symptoms/effects after swallowing: Ingestion may cause nausea and vomiting.

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

Treat symptomatically.

SECTION 5. FIRE FIGHTING MEASURES

5.1 Extinguishing media: Use an extinguishing agent suitable for the surrounding fire.

Extinguishing media which must not be used for safety reasons:

Water jets should not be used, since they can spread the fire.

5.2 Special hazards arising from the substance or mixture:

Not flammable.
Hazardous decomposition products: Iodine. Nitrogen oxides. Toxic gases, vapours, fumes.

- 5.3 Advice for firefighters:** Do not enter fire area without proper protective equipment, including respiratory protection. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

See section 8 for recommendations on the use of personal protective equipment. Avoid contact with skin, eyes and clothes. Keep unprotected persons away. Ensure adequate ventilation, especially in confined areas. Do not breathe vapor or mist.

6.2 Environmental precautions:

Prevent entry to sewers and public waters.

6.3 Methods and material for containment and cleaning up:

Small spills: wipe up with absorbent material (e.g. cloth, fleece).
Large spills: Use sand, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in suitable closed container for disposal, according to local regulations. Then rinse the spillage site with plenty of water. Dispose of in accordance with section 13.

6.4 Reference to other sections:

See section 8 for personal protection.
See section 13 for disposal.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

See section 8 for recommendations on the use of personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid breathing vapour/mist. Provide adequate ventilation of the work area. Use only in a well-ventilated area. Avoid spills.

Hygiene measures:

Do not eat, drink or smoke when using this product. Wash face, hands and any exposed skin thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities:

Store in original container protected from direct sunlight in a dry, cool and well-ventilated area. Keep container tightly closed. Protect from direct sunlight.

7.3 Specific end use(s): See section 1.2.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits EH40:

CAS-no:	Name:	Limits 8 h:	Limits 15 min.:	Ref./comments:
7553-56-2	Iodine	-	1.1 mg/m 0.1 ppm	EH40/-

DNEL / PNEC:

-

8.2 Exposure controls.

Appropriate technical measures:

Airborne concentrations must be kept as low as possible. Use for example an exhaust system if the normal air flow in the work room is not sufficient.

General information:

Smoking, consumption of food or liquid, and storage of tobacco, food or liquid, are not allowed in the workroom. Always wash hands, forearms and face. Make sure that eyewash are clearly marked and available. Avoid contact with skin and eyes. Avoid breathing mist/vapours.

Personal protective equipment:

Only CE-marked personal protection equipment should be used.

Respiratory protection:

If risk of inhalation, use respiratory protection with filter type B – EN 149.

Hand protection:

If there is a risk of skin contact, wear suitable protective gloves. Neoprene/Butyl/Nitrile rubber. Breakthrough time: 6 (≥480 minutes). Thickness: 0.2 - 0.4 mm. STANDARD EN 374.

Eye protection:

Tightly fitting safety goggles. EN 166.

Body protection:

Impervious working clothes.

Measures to avoid environmental exposure:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties.

a	Physical state	Liquid
b	Colour	Dark brown
c	Odour/odour threshold	Characteristic
d	Melting point/Freezing point	No data available/not applicable
e	Initial boiling point/boiling range	100°C
f	Flammability (solid, gas)	No data available/not applicable
g	Lower and upper explosion limit	No data available/not applicable
h	Flash point	No data available
i	Auto-ignition temperature	No data available/not applicable
j	Decomposition temperature	No data available/not applicable
k	pH	No data available/not applicable
l	Kinematic viscosity	No data available/not applicable
m	Solubility	Water 100 g/L - 20°C
n	Partition coefficient (n-octanol/water)	No data available/not applicable
o	Vapour pressure	No data available/not applicable
p	Density and/or relative density	1.2 g/cm ³ - 20°C
q	Relative vapour density	No data available/not applicable
r	Particle characteristics	No data available/not applicable

9.2 Other information

No hazard. Not flammable and not explosive properties.

SECTION 10. STABILITY AND REACTIVITY

- 10.1 Reactivity:** No dangerous reaction known under conditions of normal use and storage.
- 10.2 Chemical stability:** Stable under normal storage conditions.
- 10.3 Possibility of hazardous reactions:** None known if used and storage as recommended.
- 10.4 Conditions to avoid:** Stable under normal temperature conditions and recommended use. See section 7.
- 10.5 Incompatible materials:** None known.
- 10.6 Hazardous decomposition products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects.

Acute toxicity:	Not classified. Aluminium nitrate nonahydrate - CAS 7784-27-2: Oral – LD50 – Rat: 3671 mg/kg Potassium iodide – CAS 7681-11-0: Oral – LD50 – Rat: 4340 mg/kg Iodine – CAS 7553-56-2: Oral – LD50 – Rat: 14000 mg/kg Inhalation – LC50 – Rat: >0.8 mg/L/4 h.
Skin corrosion/irritation:	Not classified.
Serious eye damage/irritation:	Causes serious eye damage.
Respiratory or skin sensitization:	Not classified.
Germ cell mutagenicity:	Not classified.
Carcinogenicity:	Not classified.
Reproductive toxicity:	Not classified.
Specific target organ toxicity - single exposure:	Not classified.
Specific target organ toxicity – repeated exposure:	Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard:	Not classified.

11.2 Information on other hazards:

Endocrine disrupting properties:

The product/substance has no endocrine disrupting properties.

Additional information:

Symptoms/effects: Causes damage to organs through prolonged or repeated exposure.
Symptoms/effects after skin contact: Prolonged contact may cause slight irritation.
Symptoms/effects after eye contact: Causes serious eye damage.
Symptoms/effects after swallowing: Ingestion may cause nausea and vomiting.

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SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity:

Not classified harmful to the environment.

Large amounts of the product may affect the water environment.

Potassium iodide – CAS 7681-11-0:

Fish – LC50 – 96 h.: 896 mg/L

Iodine – CAS 7553-56-2:

Fish – LC50 – 96 h.: 0.53 mg/L

Daphnia – EC50 – 48 h.: 1.73 mg/L

Algae – IC50: 48 mg/L

12.2 Persistence and degradability:

Product:

Readily biodegradable.

Iodine – CAS 7553-56-2:

Not readily biodegradable.

12.3 Bioaccumulative potential:

Product:

No potential.

Potassium iodide – CAS 7681-11-

0: BCF: 1.26 Log Pow: 2.49.

Iodine – CAS 7553-56-2:

BCF: 5.37.

Log Pow: 2.49.

12.4 Mobility in soil:

The product contains substances that are water-soluble and can be spread in the aquatic environment.

12.5 Result of PBT and vPvB assessment:

This mixture does not meet the criteria for PBT or vPvB according to regulation 1907/2006 REACH, annex XIII.

12.6 Endocrine disrupting properties:

The product/substance has no endocrine disrupting properties.

12.7 Other adverse effects:

None known.

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SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Avoid release to the environment. This product is hazardous waste.

Dispose in a safe manner in accordance with local/national regulations. The coding of a waste stream is based on the application of the product by the consumer – end-user.

EWC-Code: 11 01 99 wastes not otherwise specified.
16 05 07* discarded inorganic chemicals consisting of or containing dangerous substances.

Contaminated packing: Properly cleaned container is disposed of according to packaging material, otherwise:
15 01 10* packaging containing residues of or contaminated by dangerous substances.

SECTION 14. TRANSPORT INFORMATION

This product is not classified as dangerous to transport.

	ADR/RID	IMDG/IMO
14.1 UN number	Not relevant	Not relevant
14.2 UN proper shipping name	Not relevant	Not relevant
14.3 Transport hazard class(es)	Not relevant	Not relevant
14.4 Packing group	Not relevant	Not relevant
14.5 Environmental hazards – MP EmS:	No Not relevant	No Not relevant
Other informations	LQ: Not relevant Tunnel: Not relevant	LQ: Not relevant Tunnel: Not relevant

14.6 Special precautions for user:
Not relevant.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:
Not relevant.

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SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Pressure Equipment (Amendment) Regulations 2011. Chemicals (Hazard Information and Packaging for Supply) Regulations 2009. Control of Substances Hazardous to Health Regulations 2002 (as amended). Merchant Shipping (Dangerous Goods and Marine Pollutants) Regulations 1997. Reporting of Injuries, Personal Protective Equipment Regulations 2002. Personal Protective Equipment at Work Regulations 1992. Hazardous Waste (England and Wales) Regulations 2005(as amended). EC regulation 1907/2006 (REACH) Directive 2000/532/EC. EU No. 2020/878. CLP No. 1272/2008. GB CLP.

Additional information: People under the age of 18 must not be exposed to this product. Council Directive 94/33/EC.

Product type (Biocide): 2 - Disinfectants and algacides that are not intended for direct application to humans or animals.

15.2 Chemical safety assessment:

No Chemical safety assessment has been carried out for this substance/mixture by the supplier.

SECTION 16. OTHER INFORMATION

Full text of H-phrases as mentioned in section 2/3:

H312 Harmful in contact with skin.

H318 Causes serious eye damage.

H332 Harmful if inhaled.

H372 Causes damage to organs through prolonged or repeated exposure. H400

Very toxic to aquatic life.

Additional information:

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.