

SAFETY DATA SHEET

According to Regulation EC No. 1907/2006

Section 1. Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier	Battles Strong Iodine 10%
Other Identifier	
1.2. Relevant identified uses of the substance or mixture and uses advised against	
Product Use	Topical preparation for farm livestock
1.3. Details of the supplier of the safety data sheet	
Company	Battle, Hayward & Bower Ltd., Crofton Drive, Lincoln. LN3 4NP
Telephone	01522 541241
Email address	phillip@battles.co.uk
1.4. Emergency telephone number	
Telephone	01522 541241

Section 2. Hazards identification

2.1

Classification under Regulation (EC) No. 1272/2008

Category 2 eye irritant
Category 3 STOT SE
Category 2 Flammable

Classification under Directive 1999/45/EC

F; R11

2.2 Label elements

Classification under Regulation (EC) No. 1272/2008

Pictogram



Signal word	Danger
Hazard statements	Highly flammable liquid and vapour Causes serious eye irritation May cause drowsiness or dizziness

Precautionary statements	Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Wash hands thoroughly after handling. Wear protective eye protection. Avoid breathing vapours/spray. Use only outdoors or in a well-ventilated area.
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IF ON SKIN (or hair): Remove/Take off immediately all

contaminated clothing. Rinse skin with water/shower.
 In case of fire: Use water for extinction.
 IF IN EYES: Rinse cautiously with water for several minutes.
 Remove contact lenses if present and easy to do and continue rinsing.
 If eye irritation persists: get medical advice
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 Call a POISON CENTER or doctor if you feel unwell.

Store in a well ventilated place. Keep container tightly closed.
 Store locked up.

Dispose of empty container through local recycling facilities

2.3 Other hazards

Section 3: Composition / Information on ingredients

3.1 Substances

3.2 Mixtures

Chemical name	Registration number(s)	Classification Regulation (EC) No. 1272/2008	Concentration
Iodine	7553-56-2 053-001-00-3 231-442-4	Acute Tox 4; H302, H312, H332. Skin Irrit 2; H319. STOT SE3; H335 STOT RE1; H372. Aquatic Tox 1; H400	7-13%
Isopropanol	67-63-0 603-117-00-0 200-661-7	Flam. Liq. 2 - H225 Eye Irrit. 2 - H319; STOT SE 3 - H336	60-100.0%
Potassium Iodide	7681-11-0 2131-659-4	Skin Irrit 2; H315 Eye Irrit 2; H319 STOT SE3; H335	5-10%

Section 4: First Aid Measures

4.1 Description of first aid measures

General advice	Consult a physician
If in eyes	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do and continue rinsing.
If inhaled	Remove victim to fresh air and keep at rest in a position comfortable for breathing.
In case of skin contact	Remove contaminated clothing. Wash with soap and water
If swallowed	Do NOT induce vomiting Never give anything by mouth to an unconscious person Obtain medical attention

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

CNS depression, nausea, headache, vomiting, narcosis, drowsiness, eye and skin irritation,

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

No data available

Section 5: Fire fighting Measures

5.1 Extinguishing media

Suitable extinguishing media Water, foam, powder or carbon dioxide

Unsuitable extinguishing media

5.2. Special hazards arising from the substance or mixture

5.3. Advice for fire fighters

In the event of a fire, wear self contained breathing apparatus

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment

Avoid breathing vapour

Ensure adequate ventilation.

6.2. Environmental precautions

Prevent product from entering drains

6.3. Methods and material for containment and cleaning up

Contain spillage, use absorbent material to soak up product and dispose of in accordance with local regulations.

6.4. Reference to other sections

Section 7: Handling and storage

7.1. Precautions for safe handling

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Keep container tightly closed.

Wash hands thoroughly after handling.

Wear protective eye protection.

Avoid breathing vapours/spray.

Use only outdoors or in a well-ventilated area.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed.

Store in a well ventilated place. Keep container tightly closed.

Store locked up.

7.3. Specific end use(s)

Section 8: Exposure controls / personal protection

8.1. Control parameters

Components with workplace control parameters

Component	Cas – No.	Value	Control parameters	Basis
Iso propanol	67-63-0	STEL	500ppm 1250 mg/m ³	UK EH40 WEL Workplace Exposure Limits
		TWA	400ppm	UK EH40 WEL

			999 mg/m ³	Workplace Exposure Limits
Iodine	7553-56-2	STEL	0.1ppm 1.1 mg/m ³	UK EH40 WEL Workplace Exposure Limits

8.2. Exposure controls

Keep away from heat/sparks/open flames/hot surfaces. No smoking.
 Keep container tightly closed.
 Wash hands thoroughly after handling.
 Wear protective eye protection.
 Avoid breathing vapours/spray.
 Use only outdoors or in a well-ventilated area.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Brown almost Black liquid.
Odour	Alcoholic with Iodine.
pH	N/A
Melting point / freezing point	N/A
Initial boiling point and boiling range	80°C
Flash point	12°C
Evaporation rate	3
Flammability (solid, gas)	No data available
Upper / lower flammability or explosive limits	UEL 12.7% LEL 2%
Vapour pressure	No data available
Vapour density	No data available
Relative density	0.93
Solubility(ies)	Partially miscible with water, miscible with alcohol.
Partition coefficient: n-octanol / water	No data available
Auto ignition temperature	425°C
Decomposition temperature	No data available
Viscosity	Mobile liquid
Explosive properties	No data available
Oxidising properties	No data available

9.2. Other information

Section 10: Stability and reactivity

10.1. Reactivity

Iodine in its pure form can react with metals. Potassium iodide in its pure form reacts with strong acids and oxidising substances.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

Heat, flames and sparks

10.5. Incompatible materials

Oxidising agents, acid anhydrides, aluminium, halogenated compounds, acids, strong reducing agents, phosphorus and ammonia solutions.

10.6. Hazardous decomposition products

Toxic gases of carbon monoxide, carbon dioxide

Section 11: Toxicological information

Acute Toxicity > 2000mg/Kg

Section 12: Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

Partially miscible with water

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

No data available

Section 13: Disposal considerations

Dispose of waste and residues in accordance with local authority requirements.

Section 14: Transport information

14.1. UN number	1219
14.2. UN proper shipping name	Isopropanol
14.3. Transport hazard class(es)	3
14.4. Packing group	II
14.5. Environmental hazards	No
14.6. Special precautions for user	
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	

Section 15: Regulatory information

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

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

15.2. Chemical safety assessment

Section 16: Other information

Hazard statements in full

H225 Highly flammable liquid and vapour

H319 Causes serious eye irritation

H336 May cause drowsiness or dizziness