



Created: 1 Dec 2023 Revised: 1 Dec 2023

SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

- Product Name: Sodium Dichromate Anhydrous
- UFI: 5722
- Product Part Number: 5722

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

- Use of the substance/mixture: Laboratory chemical

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Better Equipped Educational Supplies Ltd
- Address of Supplier: Wrenbury Business Park, Wrenbury Rd, Wrenbury CW5 8EB
- Telephone: 0800 970 7142
- Email: Sales@betterequipped.co.uk

1.4 Emergency telephone number

- Emergency Telephone: 01270 781238
-

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- CLP: Lact., Resp. Sens. 1, Skin Sens. 1, Acute Tox. 1, Skin Corr. 1B, Muta. Cat. 1B, Carc. 1B, Repr. Cat. 1B, STOT RE 1, Aquatic Chronic 1

2.2 Label elements



GHS05



GHS08



GHS09



GHS06



GHS03

- Signal Word: Danger

2.2.1 Hazard statements

- H301 - Toxic if swallowed.
 - H312 - Harmful in contact with skin.
 - H330 - Fatal if inhaled.
 - H350 - May cause cancer.
 - H340 - May cause genetic defects.
 - H360FD - May damage fertility. May damage the unborn child.
 - H362 - May cause harm to breast-fed children.
 - H372 - Causes damage to organs through prolonged or repeated exposure.
 - H314 - Causes severe skin burns and eye damage.
-



Created: 1 Dec 2023 Revised: 1 Dec 2023

SECTION 2: Hazards identification (....)

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 H317 - May cause an allergic skin reaction.
 H410 - Very toxic to aquatic life with long lasting effects.
 H272 - May intensify fire; oxidiser.

2.2.2 Precautionary statements

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
 P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.

2.3 Other hazards

- Contains: Sodium dichromate

SECTION 3: Composition/information on ingredients

3.1 Substances

3.1.1 sodium dichromate

CAS Number:	10588-01-9
EC Number:	234-190-3
Concentration:	100%
Symbols:	GHS03;GHS06;GHS05;GHS08;GHS09
H Statements:	H272;H350;H340;H360FD;H330;H301;H312;H372;H314;H334;H317;H400;H410
Specific Concentration Limits:	STOT SE 3; H335: C ≥ 5 % Resp. Sens. 1; H334: C ≥ 0,2 % Skin Sens. 1; H317: C ≥ 0,2 %
Categories:	Ox. Sol. 2, Acute Tox. 2, Acute Tox. 4, Acute Tox. 3, Skin Corr. 1B, Resp. Sens. 1, Skin Sens. 1, Muta. Cat. 1B, Carc. 1B, Repr. Cat. 1B, STOT RE 1, Aquatic Acute 1, Aquatic Chronic 1

SECTION 4: First aid measures

4.1 Description of first aid measures

- IF exposed or concerned: Get medical advice/attention.
- Call a POISON CENTRE or doctor if you feel unwell.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If skin irritation or rash occurs: Get medical advice/attention.
- Take off immediately all contaminated clothing.
- Wash contaminated clothing before reuse.
- Rinse mouth.
- IF INHALED: Remove person to fresh air and keep comfortable for breathing.



Created: 1 Dec 2023

Revised:: 1 Dec 2023

SECTION 4: First aid measures (....)

- Do not induce vomiting
- If breathing is difficult, oxygen should be given by a trained person
- IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

4.2 Most important symptoms and effects, both acute and delayed

- Prolonged skin or eye contact may cause chemical burns
- Can cause damage to the kidneys
- Can cause damage to the liver

4.3 Indication of any immediate medical attention and special treatment needed

- Immediately call a POISON CENTER or doctor/physician.
-

SECTION 5: Firefighting measures**5.1 Extinguishing media**

- In case of fire: use dry powder/BCF to extinguish.
- In case of fire use water
- In case of fire use carbon dioxide

5.2 Special hazards arising from the substance or mixture

- Oxidising and Very Toxic
- Contains dust

5.3 Advice for firefighters

- Wear full protective clothing including chemical protection suit
 - Wear Breathing Apparatus
-

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

- Avoid raising dust
- Wear suitable respiratory protection
- Wear protective clothing as per section 8

6.2 Environmental precautions

- Do not allow to enter public sewers and watercourses
- Use appropriate containment to avoid environmental contamination
- If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities

6.3 Methods and material for containment and cleaning up

- Collect spillage.
- Use vacuum cleaner to collect spilled material

6.4 Reference to other sections

- See Section 8 for information on PPE
-

SECTION 7: Handling and storage



Created: 1 Dec 2023

Revised:: 1 Dec 2023

SECTION 7: Handling and storage (....)

7.1 Precautions for safe handling

- Do not allow dust to accumulate on surfaces and equipment
- Forms hazardous decomposition products
- Call a POISON CENTRE or doctor if you feel unwell.
- Dispose of contents/container to an authorised waste collection point
- Ensure adequate ventilation
- Take off immediately all contaminated clothing and wash it before reuse.
- If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
- Eyewash bottles should be available
- Do not handle until all safety precautions have been read and understood.

7.2 Conditions for safe storage, including any incompatibilities

- Forms hazardous decomposition products
- Store in a well-ventilated place. Keep container tightly closed.
- Store locked up.

7.3 Specific end use(s)

- See Section 1.2

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

- No exposure limits have been set for this substance

8.1.1 sodium dichromate

WEL (long term): 0.05 mg/m³ (

8.2 Exposure controls



Gloves



Respirator



Suit



Goggles



No Flames



No Smoking

- Wear suitable protective clothing, including eye/face protection and gloves (nitrile are recommended)
- Wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Physical state: Solid
- Colour: Orange
- Odour: Odourless
- Melting point/Range: 357 °C with decomposition
- Boiling Point/Range: Not available



Created: 1 Dec 2023

Revised:: 1 Dec 2023

SECTION 9: Physical and chemical properties (....)

- Flammability: Not flammable
- pH: 3.5
- Solubility in water: 740 g/l
- Density: Not applicable

9.2 Other information

- No information available
-

SECTION 10: Stability and reactivity**10.1 Reactivity**

- No information available

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- No information available

The substance is a strong oxidant and reacts with combustible and reducing materials. The solution in water is a weak acid.

10.4 Conditions to avoid

- Keep away from naked flames, incandescent or hot surfaces
- Avoid contact with eyes

10.5 Incompatible materials

- Incompatible with reducing agents

10.6 Hazardous decomposition products

- Decomposition products may include toxic fumes
-

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****11.1.1 Acute toxicity**

- LD₅₀ (oral) : 50 mg/kg
- LD₅₀ (dermal) : 1000 mg/kg
- LC₅₀ (inhalation) : 0.124 mg/l/4hr (dust/mist)

11.1.2 Skin corrosion/irritation

- Causes blistering of the skin
- Causes burning sensation

11.1.3 Serious eye damage/irritation

- Can cause damage to the eyes

11.1.4 Respiratory or skin sensitisation



Created: 1 Dec 2023

Revised:: 1 Dec 2023

SECTION 11: Toxicological information (....)

Capable of causing respiratory sensitization
Causes allergic reaction in susceptible people

11.1.5 Germ cell mutagenicity

May cause genetic defects.

11.1.6 Carcinogenicity

May cause cancer.

11.1.7 Reproductive toxicity

May cause harm to breastfed babies
May cause harm to the unborn child
May damage fertility.

11.1.8 STOT (specific target organ toxicity) - single exposure

No information available but must be considered harmful

11.1.9 STOT (specific target organ toxicity) - repeated exposure

Causes damage to organs through prolonged or repeated exposure.

11.1.10 Aspiration hazard

No information available but must be considered harmful

11.2 Information on other hazards

- No information available but must be considered harmful
-

SECTION 12: Ecological information**12.1 Toxicity**

- No information available

12.2 Persistence and degradability

- Toxic to sewage works organisms

12.3 Bioaccumulative potential

- Will bioaccumulate

12.4 Mobility in soil

- soluble in water

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Endocrine disrupting properties

- No information available

12.7 Other adverse effects

- Toxic to sewage works organisms



Created: 1 Dec 2023 Revised: 1 Dec 2023

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Dispose of contents/container to an authorised waste collection point
 - Avoid release to the environment. Refer to special instructions/Safety data sheets
 - Do not empty into drains
 - Seek specialist advice
-

SECTION 14: Transport information



Toxic

14.1 UN number or ID number

- UN No.: 3288

14.2 UN proper shipping name

- Proper Shipping Name: TOXIC SOLID, INORGANIC, N.O.S. MIXTURE

14.3 Transport hazard class(es)

- Hazard Class: 6.1

14.4 Packing group

- Packing Group: III

14.5 Environmental hazards

- Marine Pollutant
- Environmentally hazardous

14.6 Special precautions for user

- Contains: Sodium dichromate

14.7 Maritime transport in bulk according to IMO instruments

- Not applicable
-

SECTION 15: Regulatory information

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

- This Safety Data Sheet is provided in compliance with the EC Regulations 1907/2006, 1272/2008, 2015/830 and 2020/878

15.2 Chemical safety assessment

- A REACH chemical safety assessment has been carried out



Created: 1 Dec 2023

Revised:: 1 Dec 2023

SECTION 16: Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:-
H272: May intensify fire; oxidiser. H301: Toxic if swallowed. H312: Harmful in contact with skin. H314: Causes severe skin burns and eye damage. H317: May cause an allergic skin reaction. H330: Fatal if inhaled. H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled. H340: May cause genetic defects. H350: May cause cancer. H360FD: May damage fertility. May damage the unborn child. H372: Causes damage to organs through prolonged or repeated exposure. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects.

--- end of safety datasheet ---
