

SAFETY DATA SHEET

ROYSON 79

Date issued : 01/1/2024

SDS number : 92

Date revised : 110823



1. Identification

Product identifier: Royson 79**Relevant identified uses:** Industrial cleaner**Manufacturer / Supplier**

Royson Engineering Company

www.royson.com

100 N Penn St

Hatboro, PA 19040

Customer Service: (215) 675-2800**E-Mail:** roysondan@gmail.com**Emergency telephone number (24 hour)**For Hazardous Materials [or Dangerous Goods] Incident
Spill, Leak, Fire, Exposure, or Accident

Call CHEMTREC Day or Night

Within USA and Canada: 1-800-424-9300

Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

CHEMTREC Customer Number (CCN) 1145

2. Hazard identification

Classification of the substance or mixture**Health hazards:**

Skin Irritation, Category 2

Eye Irritation, Category 2

Reproductive Toxicity, Category 2

Label elementsExclamation
markHealth
hazard**Signal word:** WARNING**Hazard statement(s)**

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H361: Suspected of damaging fertility or the unborn child.

Precautionary statement(s)**Prevention:**

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

P264: Wash thoroughly after handling.

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

Response:

P302+P352: IF ON SKIN: Wash with plenty of water.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P313: IF exposed or concerned: Get medical advice/ attention.

P322: Specific measures (see on this label).

P332+P313: If skin irritation occurs: Get medical advice/attention.
 P337+P313: If eye irritation persists: Get medical advice/attention.
 P362: Take off contaminated clothing.

Storage:

P405: Store locked up.

Disposal:

P501: Dispose of contents/container in accordance with local/ regional/ national/ international regulations.

Potential health effects

Eye: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: Ingestion of this product is unlikely. However, if ingested the product may cause gastrointestinal irritation and disturbances.

Inhalation: Inhalation of vapors or mists may be irritating to respiratory system.

3. Composition/information on ingredients

Chemical name	% w/w	CAS No.
Borax	10 - 30	1303-96-4
Carbonic acid sodium salt (1:2)	30 - 50	497-19-8
Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, sodium salt (1:4)	1 - 5	64-02-8
Surfactant	1 - 5	

Comments:

As per paragraph (i) of 29 CFR 1910.1200, formulation is considered a trade secret and specific chemical identity and exact percentage (concentration) of composition may have been withheld. Specific chemical identity and exact percentage composition will be provided to health professionals, employees, or designated representatives in accordance with applicable provisions of paragraph (i).

4. First-aid measures

Eye: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

Skin: Wash with soap and water. Get medical attention if irritation develops or persists.

Ingestion: Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

Inhalation: If mist or vapor of this product is inhaled, remove person immediately to fresh air. Seek medical attention if symptoms develop or persist.

5. Fire-fighting measures

Suitable extinguishing media: Use alcohol foam, carbon dioxide, or water fog when fighting fires involving this material.

Hazardous combustion products: Oxides of carbon may be produced.

Fire fighting equipment: Wear self-contained breathing apparatus and full protective clothing.

6. Accidental release measures

General procedures: Absorb spill with inert material. Collect material into appropriate container for disposal. Dispose of in accordance with Federal, State and local regulations.

Special protective equipment: Wear suitable protective clothing, gloves and eye/face protection. Prevent further leakage or spillage if safe to do so.

7. Handling and storage

Precautions for safe handling: Avoid contact with eyes and skin. Wash thoroughly after handling.

Conditions for safe storage: Keep container tightly closed and in a cool, well-ventilated place.

8. Exposure controls/personal protection

Exposure controls

Control parameters				
		Occupational exposure limit values		
Chemical name	Type		ppm	mg/m ³
Borax	OSHA PEL	TWA		5
	ACGIH TLV	TWA		2
		STEL		6
Carbonic acid sodium salt (1:2)	OSHA PEL	TWA		5
	ACGIH TLV	TWA		3

Appropriate engineering controls: Provide local and general exhaust ventilation.

Individual protection measures, such as personal protective equipment

Eye / face protection: Safety glasses

Skin protection - hand protection: Chemical resistant protective gloves

Respiratory protection: If ventilation is not sufficient to prevent buildup of mists and vapors, wear appropriate NIOSH/MSHA respirator.

Occupational hygiene practices: Wash hands before breaks and at the end of work.

9. Physical and chemical properties

Appearance: Powder

Color: Off-white

Odor: Mild

Odor threshold: Not determined.

pH: ~ 10.2

Notes: @ 6% aqueous solution

Freezing point: NA = Not Applicable

Initial boiling point and boiling range: NA = Not Applicable

Flash point: NA = Not Applicable

Evaporation rate (n-butyl acetate = 1): NA = Not Applicable

Explosion limit / flammability limit notes: N/D

Vapor pressure: NA = Not Applicable

Relative vapor density: NA = Not Applicable

Relative density: Not determined.

Solubility: Soluble

Decomposition temperature: Not determined.

Viscosity: Not determined.

10. Stability and reactivity

Reactivity: Product reacts with acids.

Chemical stability: Stable

Conditions to avoid: Avoid contact with acids.

Possibility of hazardous reactions: None known.

Hazardous decomposition products: No dangerous decomposition products known.

Incompatible materials: Strong oxidizing agents.

11. Toxicological information

Acute toxicity

Chemical name	LD ₅₀ (oral) mg/kg(rat)	LD ₅₀ (dermal) mg/kg(rabbit)	LC ₅₀ (inhalation) mg/l
Borax	4500 to 6000 mg/kg	> 2000 mg/kg	> 2.0 mg/L
Carbonic acid sodium salt (1:2)	4090 mg/kg		
Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, sodium salt (1:4)	3030 mg/kg	> 5000 mg/kg	

Carcinogenicity**IARC:** No components listed.**NTP:** No components listed.**OSHA:** No components listed.**Reproductive toxicity:** In animal testing, the risk of impaired fertility was shown only after administration of very high doses of boric acid.**General comments:** Routes of exposure: skin, inhalation and eyes.**12. Ecological information****Other adverse effects:** No data available.**13. Disposal considerations****Disposal methods:** Dispose of in accordance with local, state and federal regulations.**14. Transport information****USA Department of Transport Regulations (DOT)****UN proper shipping name:** Not regulated**15. Regulatory information****UNITED STATES****SARA Section 311/312 Hazard Categories****313 reportable ingredients:** None above reporting de minimis.**EPCRA Section 302 Extremely Hazardous Substances****EPCRA Status:** None above reporting de minimis.**TSCA (The Toxic Substances Control Act)****TSCA regulatory:** All of the components in this product are either listed on or exempt from the Toxic Substance Control Act (TSCA) chemical substance inventory.**16. Other information****Date revised:** 11/08/2023**Revision summary:** This SDS replaces the 03/17/2015 SDS. Revised: **Section 2:** Classification of the substance or mixture, Label elements, Precautionary statement(s).**HMIS rating**

Health	<input type="text" value="2"/>
Flammability	<input type="text" value="0"/>
Physical hazard	<input type="text" value="0"/>
Personal protection	<input type="text" value="B"/>

Manufacturer disclaimer:

Disclaimer: The information-contained herein has been compiled from sources considered to be dependable and is accurate as of the date issued. However, since data, safety standards, and governmental regulations are subject to change and the conditions of handling and use are beyond the control of Royson Engineering Company and/or any of its representatives, Royson Engineering Company makes no warranty regarding the accuracy of such information or its suitability for any purchasers and/or users for any consequence of its use. .