Sol-X

SAFETY DATA SHEET

Issued: 11/09/2023; Revision No.1
GB Regulation S.I. 2020 No. 1577

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

1.1 Product Identifier

Material name : AdBlue Crystal Clean & Preventer
Product code : SXAD150

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

Product use : Vehicle fuel system additive

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Central Solutions (GB) Ltd
Sol-X House, Tweed Farm
Lawn Lane
Fenwick
Doncaster
DN6 0HB
Tel. : +44 (0) 1302 708895
Fax. : +44 (0) 1302 708895

Email (for SDSs) : info@solxsolutions.com

1.4 Emergency tel. no. : +44 (0) 1302 708895 (Office hours)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
According to GB Classification, Labelling and Packaging of Substances and Mixtures Regulation (CLP):

Physical and Chemical Hazards	Not classified.
Human health	Not classified.
Environment	Not classified.

2.2 Label elements
Labelling according to GB CLP:
Signal word: None required.

Pictograms: None required.

Hazard statements: None required.

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

2.3 Other hazards: No data available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures:

Hazardous components

Chemical Name	CAS No./ EC No./ Index No./ Reg. No	Classification (CLP)	Content
2-PROPENOIC ACID, HOMOPOLYMER, SODIUM SALT	9003-04-7 618-349-8 - Exempt from registration	Not classified but has a WEL.	30-40%

Substance classifications are taken from the GB Mandatory Classification and Labelling (MCL) list, or if absent, from supplier's information.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice: Remove casualty from exposure ensuring one's own safety whilst doing so. Take off any contaminated clothing and shoes/boots immediately. Never give anything by mouth to an unconscious person.

Skin contact: Wash skin thoroughly with soap and warm water. Dry skin and apply replenishing cream. Seek medical advice if irritation develops.

Eye contact: Rinse with water for 10 minutes and seek medical advice if irritation persists.

Ingestion: Rinse mouth with water and give water to drink. Do not induce vomiting. Seek medical advice.

Inhalation: No undue effects in normal circumstances.

4.2 Most important symptoms and effects, both acute and delayed: No particular concerns.

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

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Use extinguishing media appropriate for the surrounding environment.
Unsuitable extinguishing media: High volume water jet.

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting: Irritating/toxic fumes may be released at elevated temperatures.

5.3 Advice for fire-fighters:

Special protective equipment: Wear self-contained breathing apparatus. Use personal protective equipment.

Further information: Standard procedure for chemical fires. Use water spray to cool unopened containers. Do not allow fire run-off to enter drains.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Spillage may present a slip hazard. Use personal protective equipment to deal with spillage. Wash contaminated clothing before reuse.

6.2 Environmental precautions

Prevent product from entering drains. If product enters waterways, inform relevant authorities.

6.3 Methods and materials for containment and cleaning up

Wipe up any liquid spillage with absorbent material such as sand, earth, or vermiculite, and place in a labelled container for disposal in accordance with local/national regulations.

6.4 References to other sections: See sections 8 and 13 for personal protection and disposal information.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Handle with care.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, well-ventilated area. Protect from frost, heat and sunlight. Keep away from food, drink and animal feed.

7.3 Specific end use(s): No information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters:

Chemical name	8hr TWA	15min STEL	Comment	Reference
2-PROPENOIC ACID, HOMOPOLYMER, SODIUM SALT	0.5 mg/m^3	-	Respirable fraction	Supplier

DNEL/PNEC: No data available.

8.2 Exposure controls

Engineering measures: Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If in doubt, suitable respiratory protection should be worn.

Personal protective equipment

Respiratory protection: Unlikely to be necessary in normal circumstances.

Hand protection: Wear chemically resistant gloves such as nitrile rubber approved to standard EN 374; material thickness 0.5mm; break through time ≥ 8 hours. Gloves must be replaced after 8 hours of wear. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Check with glove manufacturer for specific advice.

Eye protection: Chemical splash goggles of EN 166 standard if eye contact is reasonably probable.

Skin and body protection: Depending on the conditions of use, protective gloves, apron, boots, head and face protection should be worn. The selected protective clothing has to satisfy the standard EN 13034, which describes clothing offering limited 8 hour protection against splashes. Use PPE that is chemically resistant to the product and prevents skin contact.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practices. Do not eat or drink whilst using the product. Wash hands before breaks and at the end of the workday. Wash contaminated clothing before re-use.

Environmental exposure controls: Do not discharge into drains or rivers.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

State and colour	Clear/slightly hazy, colourless liquid
Odour	Practically odourless
Odour Threshold	No data available
Flammability	Non-flammable
Flash point	Not applicable
Lower explosion limit	Not applicable
Upper explosion limit	Not applicable
Explosive properties	Not explosive
Thermal decomposition	>230°C
Auto-ignition temperature	No data available
Oxidising properties	Non-oxidising
Solubility in water	Completely soluble
Solubility in other solvents	Not determined
pH	7-9
Melting point/range	0°C
Boiling point/range	100°C
Specific gravity	~1.0 @ 20°C
Vapour pressure	No data available
Vapour density	No data available
Partition coefficient: n-octanol/water	Not applicable for mixtures
Viscosity (kinematic)	No data available
Evaporation rate	<1 (water =1)

9.2 Other information No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity	Generally non-reactive.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	None if stored and used as directed.
10.4 Conditions to avoid	None known.
10.5 Incompatible materials	None known.
10.6 Hazardous decomposition products	Acrylic monomers.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity: Based on available data the classification criteria are not met.

Chemical name	Oral (LD50)	Inhalation (LC50)	Dermal (LD50)
2-PROPENOIC ACID, HOMOPOLYMER, SODIUM SALT	>5000 mg/kg (Rat)	No data available	>2000 mg/kg (Rat)

Skin corrosion/irritation: Based on available data the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data the classification criteria are not met.

Respiratory or skin sensitisation: Based on available data the classification criteria are not met.

Repeated dose toxicity: Based on available data the classification criteria are not met.

Carcinogenicity: Based on available data the classification criteria are not met.

Mutagenicity: Based on available data the classification criteria are not met.

Toxicity for reproduction: Based on available data the classification criteria are not met.

Specific target organ toxicity (STOT): Based on available data the classification criteria are not met.

Aspiration hazard: Based on available data the classification criteria are not met.

Further information No data available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity: Based on available data the classification criteria are not met.

Chemical name	Species	Test	Value
2-PROPENOIC ACID, HOMOPOLYMER, SODIUM SALT	Daphnia Fish Algae	EC50 48h LC50 96h EC50 72h	>1000 mg/l 700 mg/l 480 mg/l

12.2 Persistence and degradability Slowly biodegradable.

12.3 Bioaccumulative potential No data available.

12.4 Mobility in soil Soluble in water.

12.5 Results of PBT and vPvB assessment Contains no PBT or vPvB substances.

12.6 Other adverse effects No data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal operations: Dispose of contents and container to appropriate waste site or reclaimer in accordance with local and national regulations. Do not dispose of waste into sewer. Contact licensed waste disposal company. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

Not classified for transport.

15. REGULATORY INFORMATION

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

UK Regulatory References
The Control of Substances Hazardous to Health Regulations 2002 (S.I 2001 No.2677) with amendments.

GB MCL (Mandatory Classification and Labelling).

Statutory Instruments
The Chemicals (Hazard information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

S.I. 2020 No. 1577: The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

Guidance Notes
Health and Safety Executive Workplace Exposure Limits EH40.

15.2 Chemical Safety Assessment
Chemical Safety Assessments/Reports (CSA/CSR) are not required for mixtures.

16. OTHER INFORMATION

This safety data sheet is prepared in accordance with the requirements of the UK REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation - The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020. (S.I. 2020 No. 1577).

Classification and procedure used to derive the classification for mixtures according to GB CLP:

Physical hazards:	Not classified.
Health hazards:	Not classified.
Environmental hazards:	Not classified.

Abbreviations and acronyms

CAS: Chemical Abstract Service (division of the American Chemical Society).
STOT: Single Target Organ Toxicity
TWA: Time-weighted average.
STEL: Short-term exposure limit.
DNEL: Derived No Effect Level
PNEC: Predicted No Effect Concentration
PBT: Persistent, Bioaccumulative, Toxic.
vPvB: very Persistent and very Bioaccumulative.
EC50: Effective Concentration, 50 percent.
LC50: Lethal Concentration, 50 percent.
LD50: Lethal Dose, 50 percent.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

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