

Chem-X STARS (100:1)

Official Safety Data Sheet (SDS)

1. Product and Company Identification

Product Identifier

Trade Name: STARS (100:1)
Item Number(s):

Relevant Identified Uses of the Substance or Mixture:

Restrictions on Use: For Industrial Use Only

Manufacturer/Supplier:

Chem-X

270 Main St, Unit X
Agawam, MA 01001
(800) 624-5403

**FOR EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE
OR ACCIDENT CONTACT: INFOTRAC (800-535-5053)**

2. Hazards(s) Identification

GHS Classification and Label Elements of the Product



DANGER

Category

1

Signal Word

Danger

H314:

Hazard Statement

Causes severe skin burns and eye damage

Prevention

P260:	Do not breathe dust/fume/gas/mist/vapours/spray.
P264:	Wash hands thoroughly after handling.
P280:	Wear protective gloves/eye protection/face protection.

Response

P301+P330+P331:	IF SWALLOWED: Rinse Mouth. Do NOT induce vomiting.
P303+P353+P361:	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P363:	Wash contaminated clothing before reuse.
P305+P351+P338:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313:	If eye irritation persists: Get medical advice/attention.
P304+P340+P310:	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

Chem-X STARS (100:1)

Official Safety Data Sheet (SDS)

Storage

P405: Store locked up.

Disposal

P501: Dispose of contents/container according to local/regional regulations.

3. Composition/Information on Ingredients

Component Name	CAS #	Concentration % by Weight	GHS Hazard Codes
<i>Sulfamic Acid</i>	5329-14-6	4-7%	H314, H318, H401
<i>Proprietary Surfactant Blend</i>	Proprietary	13-18%	H314, H318

4. First Aid Measures

Inhalation: Remove victim to fresh air. Administer oxygen if breathing is difficult. Seek medical attention if respiratory irritation or distress continues.

Skin Contact: Wash with plenty of soap and water for no less than 15 minutes. Wash contaminated clothing before reuse.

Eye Contact: Flush with a gentle, steady stream of water for at least 15 minutes. Seek medical attention.

Ingestion: Do **NOT** induce vomiting. If victim is conscious and alert, give 1-2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Do not leave victim unattended. Immediately call a **POISON CENTER** or doctor/physician.

5. Fire Fighting Measures

Suitable Extinguishing Media: Dry chemical, carbon dioxide, foam, water spray.

Specific Fire Fighting Measures: Apply water from a safe distance to cool and protect surrounding area.

Unusual Fire and Explosion Hazards: N/A

Special Protective Equipment and Precautions for Fire Fighters: None

6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures | Wear proper protective equipment. Dispose according to State, Federal and Local regulations.

Environmental Precautions: Avoid runoff to waterways and sewers.

7. Handling and Storage

Precautions for Safe Handling:

Protect against physical damage.

Store in a cool, dry, well ventilated location away from heat/sparks/open flame.

Separate from incompatibles.

Keep containers tightly closed. Do not store in unlabeled or mislabeled containers.

Chem-X STARS (100:1)

Official Safety Data Sheet (SDS)

8. Exposure Controls / Personal Protection

Airborne Exposure Limits: N/A

Eye Protection: Wear splash-proof goggles and/or face shield.

Skin Protection: Wear protective clothing including gloves, lab coat, apron or coveralls, as appropriate, to minimize skin contact.

General Industrial Hygiene Practices:

Wash with soap and water before meals and at the end of each work shift. Good manufacturing practices require amounts of any chemical be removed from the skin as soon as practical, especially before eating or smoking.

9. Physical and Chemical Properties

Appearance:	Blue Liquid	Viscosity:	Unknown	Odor:	Blueberry
Odor Threshold:	Unknown	Relative Density:	1.1-1.2	pH:	1-2
Melting Point:	N/A	Partition coefficient: n-octanol/water	Unknown	Freezing Point:	Unknown
Initial Boiling Point:	Approx. 212°F/100°C	Decomposition Temperature:	Unknown	Boiling Range:	Unknown
Flash Point:	>212°F/100°C	Vapor Density:	N/A	Evaporation Rate:	1
Flammability, Solid:	Unknown	Solubility	100%	Flammability, Gas:	Unknown
Lower Explosive Limit:	Unknown	Auto-Ignition Temperature:	Unknown	Upper Explosive Limit:	Unknown
Vapor Pressure:	Unknown	VOC Content:	<0.3 lbs/gallon		

10. Stability and Reactivity

Stability: This product is stable under normal handling and storage conditions.

11. Toxicological Information

Sulfamic Acid	Rat
Dermal LD-50:	>2000 mg/kg
Oral LC-50:	2065 mg/kg

12. Ecological Information

Sulfamic Acid	Pimephales promelas	Daphnia magna	Desmodesmus subspicatus
LC-50:	70.3 mg/l (96 h)		
EC-50:		71.6 mg/l (48h)	
ErC-50 (algae):			48 mg/l (72h)

*Does not contain bio-accumulative components



Chem-X STARS (100:1)

Official Safety Data Sheet (SDS)

13. Disposal Considerations

Waste Disposal: Dispose according to Federal, State and Local regulations.
EPA Hazardous Waste: No

14. Transport Information

US Department of Transportation : Regulated

Transport Document Description : UN 2967 Sulfamic Acid Solution, 8, III
ID Number : UN2967
Hazard Class : 8 – Class 8 – Corrosive Material
Packing Group : III – Minor Danger

IMDG

UN Number : UN 2967
Proper Shipping Name : Sulfamic Acid Solution
Hazard Class : 8
Packing Group : III

IATA

UN Number : UN 2967
Proper Shipping Name : Sulfamic Acid Solution
Hazard Class : 8
Packing Group : III

15. Regulatory Information

Inventory Status: All components included on TSCA, DSL, EINECS/ELINCS, AICS, MITI, KECL inventory lists.
Federal Regulations: All functional components of this product are listed on the TSCA inventory.

16. Other Information

This information is furnished without warranty, expressed or implied, and is believed to be accurate to the best knowledge of Chem-X. The data on this SDS relates only to the specific material design herein. Chem-X assumes no legal responsibility for use or reliance upon this data. This product has been classified according to the hazard criteria of the CPR and the SDS contains all the information required by the CPR.