



CHEMSYNTH CORPORATION

(Exporter of chemical Raw materials)

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MATERIAL SAFETY DATA SHEET

******Section 1 - Chemical Product******

Chemical : Sodium Formaldehyde Sulfoxylate

Synonym: Hydroxymethanesulfinic acid sodium salt

CAS 149-44-0

****** SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS ******

CAS#	Chemical Name	%	EINECS#
149-44-0	Sodium formaldehyde sulfoxylate	100.0	205-739-4

Hazard Symbols: None Listed.

Risk Phrases: None Listed.

FREE FORMALDEHYDE CONTENT IN SFS IS LESS THAN 1 %.

****** SECTION 3 - HAZARDS IDENTIFICATION ******

EMERGENCY OVERVIEW : Not available.

Potential Health Effects

Eye: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion : Low hazard for usual industrial handling.
Inhalation : May cause respiratory tract irritation.

Chronic : No information found.

****** SECTION 4 - FIRST AID MEASURES ******

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Get medical aid if irritation develops or persists. Flush skin with plenty of soap and water.

Ingestion: Get medical aid. Wash mouth out with water.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

Notes to Physician:

****** SECTION 5 - FIRE FIGHTING MEASURES ******

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing Media:

Use water spray, dry chemical, carbon dioxide, or chemical foam.

****** SECTION 6 - ACCIDENTAL RELEASE MEASURES ******

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Vacuum or sweep up material and place into a suitable disposal container.

****** SECTION 7 - HANDLING and STORAGE ******

Handling:

Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Use only in a chemical fume hood.

Storage:

Store in a cool, dry place. Store in a tightly closed container.

****** SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION ******

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Exposure Limits Not available

Personal Protective Equipment

Eyes: Wear chemical splash goggles.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear a chemical apron.

Respirators: A NIOSH/MSHA approved air purifying dust or mist respirator or European Standard EN 149.

****** SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ******

Physical State:	Solid
Color:	white
Odor:	Not available.
pH:	Not available.
Vapor Pressure:	Not available.
Viscosity:	Not available.
Boiling Point:	Not available.
Freezing/Melting Point:	Not available.
Autoignition Temperature:	Not applicable.
Flash Point:	120 deg centigrade.
Explosion Limits, lower:	Not available.
Explosion Limits, upper:	Not available.
Decomposition Temperature:	63-64C
Solubility in water:	Soluble in water.
Specific Gravity/Density:	Not available.
Molecular Formula:	CH ₂ (OH)SO ₂ Na.2H ₂ O
Molecular Weight:	154.0958

****** SECTION 10 - STABILITY AND REACTIVITY ******

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials.

Incompatibilities with Other Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Irritating and toxic fumes and gases.

Hazardous Polymerization: Has not been reported.

****** SECTION 11 - TOXICOLOGICAL INFORMATION ******

RTECS#: CAS# 149-44-0: PB0380000

LD50/LC50: CAS# 149-44-0: Oral, mouse: LD50 = 4 gm/kg; Oral, rat: LD50 = >2 gm/kg.

Carcinogenicity: Sodium formaldehyde sulfoxylate Not listed by ACGIH, IARC, or NTP.

Other: See actual entry in RTECS for complete information.

****** SECTION 12 - ECOLOGICAL INFORMATION ******

NO DATA AVAILABLE CURRENTLY.

****** SECTION 13 - DISPOSAL CONSIDERATIONS ******

Products which are considered hazardous for supply are classified as Special Waste and the disposal of such chemicals is covered by regulations which may vary according to location. Contact a specialist disposal company or the local waste regulator for advice. Empty containers must be decontaminated before returning for recycling.

****** SECTION 14 - TRANSPORT INFORMATION ******

IATA No information available. Not Regulated

IMO No information available. Not regulated

RID/ADR No information available.

****** SECTION 15 - REGULATORY INFORMATION ******

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available.

Risk Phrases:

Safety Phrases:

WGK (Water Danger/Protection) CAS# 149-44-0: 1

Canada CAS# 149-44-0 is listed on Canada's DSL List.

CAS# 149-44-0 is not listed on Canada's Ingredient Disclosure List. US FEDERAL

TSCA CAS# 149-44-0 is listed on the TSCA inventory.

****** SECTION 16 - ADDITIONAL INFORMATION ******

MSDS Creation Date: 12/12/1997 Revision #2 Date: 3/18/2003

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.