

Material Safety Data Sheet

Sodium Silicate Solution 40% CARS Program

Date of Preparation: 07/09

MSDS No.113

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: Sodium Silicate Solution 40% CARS Program
Chemical Formula: MIXTURE
CAS Number: N/A
Other Designations: N/A
General Use: Used in disabling auto engines in CARS Program

HMIS	
H	1
F	0
R	0
PPE†	
†Sec. 8	

Manufacturer: Wedor Corporation, 1907 S. 89th Street, West Allis, WI 53227, Phone (414)329-9047, FAX (414)329-9043, Emergency Phone Number 1-800-424-9300.

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

Colorless, possibly hazy liquid; odorless.

Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	% wt or % vol
Sodium Silicate Solution	1344-09-08	40%
Water	7732-18-5	60%

Trace Impurities:

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH IDLH
	TWA	STEL	TWA	STEL	TWA	STEL	
Sodium Silicate Solution	None estab	none estab.	None estab	none estab.	None estab	none estab.	None estab

Toxicity Data:

Section 3 - Physical and Chemical Properties

<p>Physical State: Liquid Appearance and Odor: Clear liquid Cloudy/Clear with No Odor Odor Threshold: N/A Vapor Pressure: N/A Vapor Density (Air=1): N/A Formula Weight: 9.41 Density: N/A Specific Gravity (H₂O=1, at 4 °C): 1.127 pH: 11.6</p>	<p>Water Solubility: Complete Other Solubilities: N/A Boiling Point: >= 340 deg F Freezing/Melting Point: < / = 32 deg F Viscosity: N/A Refractive Index: N/A Surface Tension: N/A % Volatile: N/A Evaporation Rate (water = 1): N/A</p>
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Section 4 - Fire-Fighting Measures

Flash Point: None
Flash Point Method: N/A
Burning Rate: N/A
Autoignition Temperature: N/A
LEL: N/A



UEL: N/A

Flammability Classification: Non-Flammable

Extinguishing Media: Dry chemical, Carbon Dioxide, Alcohol Foam, Water

Unusual Fire or Explosion Hazards: May react with some metals to release flammable gas.

Hazardous Combustion Products: N/A

Fire-Fighting Instructions: Do not release runoff from fire control methods to sewers or waterways.

Fire-Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.

Section 5 - Stability and Reactivity

Stability: Sodium Silicate Solution 40% CARS Program is stable at room temperature in closed containers under normal storage and handling conditions.

Polymerization: Hazardous polymerization cannot occur.

Chemical Incompatibilities: None

Conditions to Avoid: None

Hazardous Decomposition Products: None

Section 6 - Health Hazard Information

Potential Health Effects

Primary Entry Routes: Skin Contact, Eye Contact

Target Organs: Tissues of Eyes & Skin.

Acute Effects

Inhalation: Irritation of respiratory tract.

Eye: Mild irritation and redness, alkaline material.

Skin: Slight irritation with prolonged or repeated exposure, alkaline material.

Ingestion: Gastrointestinal irritation, nausea, diarrhea.

Carcinogenicity: IARC, NTP, and OSHA do not list Sodium Silicate Solution 40% CARS Program as a carcinogen.

Medical Conditions Aggravated by Long-Term Exposure: None Known

Chronic Effects: None Known

Emergency and First Aid Procedures

Inhalation: Get victim to fresh air. If not breathing, use artificial respiration.

Eye Contact: Wash for 15 minutes or more, holding eyelids open. Call a physician

Skin Contact: Wash off with plenty of water. Material may stick to skin so wash for 15 minutes or more

Ingestion: Drink plenty of water and/or milk. Do not induce vomiting. Call a physician.

After first aid, get appropriate in-plant, paramedic, or community medical support.

Note to Physicians: Neutral pH.

Special Precautions/Procedures: N/A

Section 7 - Spill, Leak, and Disposal Procedures

Spill /Leak Procedures: Neutral product, small spills can be mopped up and flushed down sewer.

Small Spills: Mop up floor with plenty of water.

Large Spills

Containment: For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways.

Cleanup: As above indicated under Spill/Leak procedure.

Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120).

Disposal: Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

EPA Regulations:

RCRA Hazardous Waste Number: Not listed (40 CFR 261.33): N/A

RCRA Hazardous Waste Classification (40 CFR 261.??): Not classified

CERCLA Hazardous Substance (40 CFR 302.4) listed specific per RCRA, Sec. 3001; CWA, Sec. 311 (b)(4); CWA, Sec. 307(a), CAA, Sec. 112: Not classified

CERCLA Reportable Quantity (RQ): Not classified

SARA 311/312 Codes: Listed product under section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR 372: Not classified

SARA Toxic Chemical (40 CFR 372.65): Not listed

SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed, Threshold Planning Quantity (TPQ)

OSHA Regulations:

Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Not listed

OSHA Specifically Regulated Substance (29CFR 1910.????): Not listed

State Regulations: N/A

Section 8 - Exposure Controls / Personal Protection

Engineering Controls:

Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Administrative Controls:

Respiratory Protection: Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or nonroutine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA.

Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres. If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit-testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

Protective Clothing/Equipment: Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Section 9 - Special Precautions and Comments

Handling Precautions: When handling be sure drum is tightly sealed and the bungs are tight. Wear chemical gloves and eye protection when using.

Storage Requirements: Keep in a cool dry place away from heat and flame. Do not store with acids or cyanides close by. Keep container closed.

DOT Transportation Data (49 CFR 172.101):

Shipping Name: NONE

Shipping Symbols: NONE

Hazard Class: N/A

ID No.: N/A

Packing Group: N/A

Label: N/A

Special Provisions (172.102):

N/A

Packaging Authorizations

a) **Exceptions:** N/A

b) **Non-bulk Packaging:** N/A

c) **Bulk Packaging:** N/A

Quantity Limitations

a) **Passenger, Aircraft, or Railcar:** N/A

b) **Cargo Aircraft Only:** N/A

Vessel Stowage Requirements

a) **Vessel Stowage:** N/A

b) **Other:** N/A

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Revision Notes:

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