

DEGUSSA Corp./CREANOVA Inc.
Fine Chemicals Division

24 Hour Emergency Number: 800-424-9300
24 Hour CHEMTREC Number: 800-424-9300

Approval Date: May 9, 1996
Print Date: July 16, 2001

Quat: 17197056
MSDS Number: 4103250 01-03

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name : SODIUM METHYLATE SOLUTION, 30%

Supplier/Manufacturer:
DEGUSSA Corp./CREANOVA Inc.
379 Interpace Parkway
Building C
P.O. Box 677
Parsippany, NJ 07054-0677
Product Regulatory Services, Information Number: 973-541-8060

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients

	CAS Number	% (Wt./Wt.)
Methanol	000067-56-1	70
Methanol, sodium salt	000124-41-4	30

See Section 8 for Exposure Guidelines

3. HAZARDS IDENTIFICATION

*** EMERGENCY OVERVIEW ***

Harmful if inhaled or swallowed. Causes skin and eye burns. Flammable liquid and vapor.

POTENTIAL HEALTH EFFECTS

Eye Contact:

Corrosive. May cause burns resulting in permanent damage. Causes painful stinging or burning of eyes and lids, watering of eyes, conjunctivitis, opaqueness of cornea, possibly leading to loss of sight. See Section 3: General (below)

Skin Contact:

Corrosive. May cause burns resulting in permanent damage. See Section 3: General (below).

Inhalation:

Possibly irritating. Toxic. Harmful if inhaled. See Section 3: General (below).

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3. HAZARDS IDENTIFICATION (CONTINUED)

Ingestion:

Toxic. Harmful if swallowed. See Section 3: General (below).

Subchronic/Chronic Hazards:

See Section 3: General (below)

General:

Methanol: OSHA PEL: TWA 200ppm (skin); ACGIH TLV: TWA 200ppm, STEL 250ppm (skin). Causes moderate eye irritation with transient redness and discomfort. Contact causes moderate skin irritation with dryness (defatting), itching and/or rash. Absorption through the skin is possible and can cause nausea, headache, and general discomfort. Prolonged or repeated exposure may cause adverse eye effects such as conjunctivitis or corneal damage, and skin effects such as defatting, rash, or corrosion.

Methanol is toxic by inhalation and ingestion. Inhalation of vapors may cause cyanosis, lethargy, loss of consciousness and death. The effects from inhalation may be delayed. Ingestion may cause malaise, discomfort, and death if not treated promptly.

Medical conditions aggravated by exposure include: skin disorders and allergies, liver disorders and eye disease.

4. FIRST AID MEASURES

FIRST AID

Eye Contact:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes or until all material has been removed. Obtain medical attention without delay, preferably from an ophthalmologist.

Skin Contact:

Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Thoroughly wash clothing, shoes and protective equipment before reuse or discard. Get medical attention if irritation develops or persists.

Inhalation:

If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If unconscious, evaluate the need for artificial respiration. Get immediate medical attention.

Ingestion:

If swallowed give two glasses of water and induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

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5. FIRE FIGHTING MEASURES

Flash Point: 90 °F

Flash Point Method: Pensky-Martens C.C.

Lower Explosive Limit: 6.0 %

Upper Explosive Limit: 44.0 %

OSHA Flammability Classification: Flammable liquid

Autoignition Temperature: Not Determined

Other Flammable Properties:

Flammable liquid. Vapors can travel to a source of ignition and flash back. Explosive mixtures may occur at temperatures at or above the flashpoint.

Extinguishing Media:

Use water spray or fog, foam, dry chemical or CO2.

Fire Fighting Procedures:

Containers can build up pressure if exposed to heat (fire). Cool with water spray. As in any fire, wear self-contained, pressure-demand breathing apparatus (MSHA-NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled:

Absorb spill with inert material, then place in a chemical waste container. After removal, flush contaminated area with water and collect for disposal. Clean up spills immediately. Remove sources of ignition and ventilate area. Use a respirator and other protective equipment as outlined in Section 8. Obey relevant local, state, provincial and federal laws and regulations. Do not contaminate any lakes, streams, ponds, groundwater or soil.

7. HANDLING AND STORAGE

Handling:

Keep away from heat. Keep away from sparks, flames and other sources of ignition. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use with adequate ventilation. The need for grounding and bonding of containers in accordance with OSHA 29 CFR 1910.106 and NFPA 77 should be assessed for all product transfers. Follow all MSDS/label precautions even after the container is emptied because it may retain product residues. Wash thoroughly after handling.

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7. HANDLING AND STORAGE (CONTINUED)

Storage:

Store in a cool, dry place. Keep container closed when not in use. Residual vapors might explode on ignition; do not apply heat, cut, drill, grind or weld on or near this container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

	Value	Limit	Reference
Methanol	200 ppm (skin)	TWA	OSHA/ACGIH
	250 ppm	STEL	ACGIH
Methanol, sodium salt	N.E.	TWA	OSHA/ACGIH
	N.E.	STEL	OSHA/ACGIH

Engineering Controls:

Use process enclosures, local exhaust ventilation or other engineering controls to control airborne exposure.

Respiratory Protection:

A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use. NIOSH's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.

Eye Protection:

Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent).

Skin Protection:

Use impermeable gloves. Special precautions should be taken to ensure that material cannot get inside gloves. If contact with liquid is possible, wear impervious clothing. Showering after work is recommended.

Other Protective Equipment:

To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132) be conducted before using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure	: 45hPa @ 20°C
Vapor Density (Air = 1)	: Is heavier than air
Specific Gravity	: 0.97
Boiling Point	: 92°C @ 1013hPa
pH	: Not available
Evaporation Rate	: Not available

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9. PHYSICAL AND CHEMICAL PROPERTIES (CONTINUED)

Other Properties:

Colorless. Liquid. Alcoholic odor. Solubility in water: Reacts.

10. STABILITY AND REACTIVITY

Stability:

This product is stable under normal storage conditions.

Hazardous Polymerization:

Will not occur under normal conditions.

Conditions To Avoid:

Avoid high temperatures and sources of ignition.

Incompatibility With Other Materials:

Oxidizing materials. Acids. Metals. Water.

Hazardous Decomposition Products:

Sodium hydroxide on hydrolysis.

11. TOXICOLOGICAL INFORMATION

Component Toxicological Information:

Methanol

Oral LD50 (rat): 5628 mg/kg

Dermal LD50 (rabbit): 15,800 mg/kg

Inhalation LC50 (rat): 64,000 ppm/4H

Methanol, sodium salt

Oral LD50 (rat): 1687 mg/kg

12. ECOLOGICAL INFORMATION

No product ecological data available

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13. DISPOSAL CONSIDERATIONS

Disposal Method:

Waste must be disposed of in accordance with federal, state and local regulations. Incineration is the preferred method. Empty containers must be handled with care due to product residue. DO NOT HEAT OR CUT THE EMPTY CONTAINER WITH ELECTRIC OR GAS TORCH.

14. TRANSPORT INFORMATION

U.S. DOT Transport Information

Proper Shipping Name: Sodium methylate, solution

Hazard Class: 3

Packing Group: III

RQ (lbs.): 1000

I.D. Number: UN1289

ERG No.: 132 Hazard Subclasses: 8

Transport Label(s) Required: FLAMMABLE LIQUID, CORROSIVE (recommended)

15. REGULATORY INFORMATION

This product contains the following non-hazardous components:

No non-hazardous components exist

U.S. Federal Regulations

OSHA:

This document has been prepared in accordance with the MSDS requirements of the OSHA Hazard Communication Standard.

Clean Air Act Section 112:

This product contains the following components present at or above the OSHA de minimus level and listed as Hazardous Air Pollutants:

	CAS Number	Wt. %
Methanol	000067-56-1	70

This product contains the following components present at or above the OSHA de minimus level and listed as Extremely Hazardous Air Pollutants:

None

SARA Section 302:

This product contains the following components listed as Extremely Hazardous Substances:

None

SARA Section 311/312:

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15. REGULATORY INFORMATION (CONTINUED)

SARA Section 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

	CAS Number	Wt. %
Methanol	000067-56-1	70

TSCA:

This product or its components are listed in or exempt from the TSCA inventory requirements.

This product contains the following non-proprietary substances subject to export notification under Section 12(b) of TSCA:

None

State Regulations

New Jersey:

This product contains the following non-hazardous components subject to disclosure under New Jersey Right-To-Know legislation:

None

Pennsylvania:

This product contains the following non-hazardous components subject to disclosure under Pennsylvania Right-To-Know legislation:

None

Massachusetts:

This product contains the following substances on the Massachusetts Substance List:

None

California (Proposition 65):

This product contains the following substances known to the State of California to cause cancer:

None

This product contains the following substances known to the State of California to cause adverse reproductive effects:

None

International Regulations

Summary of International Chemical Inventory Status

Canada	On inventory
Europe	On inventory
South Korea	On inventory

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15. REGULATORY INFORMATION (CONTINUED)

Australia On inventory

16. OTHER INFORMATION

HMIS Ratings: Health - 3 Flammability - 3 Reactivity - 1

Ratings Key: 4 = Highest hazard, 0 = Lowest hazard,

 * = Chronic health hazard, N = No rating for powders

NEPA Ratings: Health - 3 Flammability - 3 Reactivity - 1

Ratings Key: 4 = Highest hazard, 0 = Lowest hazard, N = No rating for powders

Key to abbreviations used:

NA Not applicable

NAV Not available

NE Not established

NJTSR No. New Jersey Trade Secret Registry Number

® Registered Trademark.

TM Trademark.

Revision Summary:

This is the first issue of this MSDS in the ANSI Z400.1 format.

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