
SURE-MIX
GPA00126 Revised February 13, 2014

CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Material Identification

"SURE-MIX" is a registered trademark of DuPont.

Product Use

Agricultural Adjuvant

Tradenames and Synonyms

Company Identification

MANUFACTURER/DISTRIBUTOR

E.I. du Pont Canada Company
P.O. Box 2200
Streetsville
Mississauga, Ontario L5M 2H3

PHONE NUMBERS

Product Information : 1-800-387-2122
Medical Emergency : 1-800-441-3637 (24 hours)

COMPOSITION/INFORMATION ON INGREDIENTS

Components

Material	CAS Number	%
Agricultural adjuvant, surfactant blend		40 %
Paraffinic hydrocarbon, petroleum oil		60 %

HAZARDS IDENTIFICATION

Potential Health Effects

HEALTH HAZARDS: Eye irritant

OTHER EFFECTS OF OVEREXPOSURE:

No other adverse clinical effects have been associated with exposures to this material.

Eye contact with Sure-Mix may cause eye irritation with tearing, pain or blurred vision.

Skin contact with Sure-Mix may cause skin irritation with discomfort or rash.

(HAZARDS IDENTIFICATION - Continued)

Inhalation of high concentrations of the mist or aerosol may cause irritation of the respiratory passages with coughing and discomfort.

Ingestion of Sure-Mix may cause irritation of the digestive tract with stomach pain, heartburn, nausea, vomiting or diarrhea. Ingestion of large amounts may cause central nervous system depression with dizziness, confusion, incoordination, drowsiness or unconsciousness. Small amounts of hydrocarbon solvent, if aspirated into the lungs during ingestion or subsequent vomiting, may cause severe lung congestion resulting in labored breathing, coma and death.

Carcinogenicity Information

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

FIRST AID MEASURES

First Aid

SKIN CONTACT:

IF ON SKIN OR CLOTHING: Wash with soap and water. Remove contaminated clothing and launder separately from household laundry before reuse. Consult a physician or poison control center if irritation develops.

EYE CONTACT:

IF IN EYES: Flush immediately with clean flowing water for at least 15 minutes consult a physician or poison control center if irritation develops.

INGESTION:

IF SWALLOWED: DO NOT INDUCE VOMITING. Give water or milk. Consult a physician immediately or call a poison control center. This product contains PETROLEUM DISTILLATES.

INHALATION:

IF INHALED: Remove person to fresh air. Assist breathing if necessary. Consult a physician immediately or call a poison control center. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

Notes to Physicians

Lavage is indicated for the unresponsive patient who has ingested a large dose. Hydrocarbon pneumonitis is a risk if product is aspirated.

FIRE FIGHTING MEASURES

Flammable Properties

Flash Point : 93 C (199 F)
Method : Setaflash Closed Cup - SCC.

Unusual Fire and explosion hazards:
None known

Extinguishing Media

Foam, dry chemical, CO₂, halogenated agents.
Water spray may be used to cool containers, but a water stream may spread flames.

Fire Fighting Instructions

Wear self contained breathing apparatus with full facepiece and protective clothing.

ACCIDENTAL RELEASE MEASURES

Safeguards (Personnel)

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

If needed, use MSHA-NIOSH approved respirator for organic vapors

Initial Containment

If spilled, this material and its mixtures with water present a slip hazard. Use extra care in cleaning up spill areas to prevent injury.

Spill Clean Up

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Wear skin, eye, and respiratory protection during cleanup.
Contain spill.
Keep out of sewers and drains.
Soak up material with absorbent and shovel into a chemical waste container.

Disposal Method:

Discarded product is not a hazardous waste under RCRA, 40 CF 261

HANDLING AND STORAGE

Handling (Personnel)

Do not take internally. Harmful if swallowed or absorbed through the skin.

Skin irritant. Avoid inhalation of vapor or spray mist and contact with eyes, skin or clothing.

Wash thoroughly after handling and before eating, drinking, or smoking.

If clothing becomes contaminated, remove and wash separate from household laundry before re-use.

Handling (Physical Aspects)

Clean spray equipment thoroughly after use.

Storage

Store in original tightly closed container and do not allow water to be introduced to this container.

Do not ship or store near food, feed, seed, or fertilizers.

Store product in a cool, dry, locked, well-ventilated area without floor drain.

Herbicides should be shipped or stored separately from other pesticides to avoid cross-contamination

Product must be stored at temperatures above 5 C.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

Use only with adequate ventilation.

Personal Protective Equipment

If needed, use MSHA-NIOSH approved respirator for organic vapors.

PROTECTIVE CLOTHING:

When mixing/loading this product, wear a long-sleeved shirt, long trousers, goggles or a face shield, chemical-resistant gloves, a hat, and rubber boots.

OTHER PROTECTIVE EQUIPMENT:

Eyewash station and safety shower in work area.

(EXPOSURE CONTROLS/PERSONAL PROTECTION - Continued)

Exposure Guidelines

Exposure Limits

SURE-MIX

PEL (OSHA)	: None Established
TLV (ACGIH)	: None Established

Exposure Guideline Comments

TLV or suggested control value:

No ACGIH TLV or OSHA PEL is assigned to this mixture.
Control of exposure to below the PEL for the ingredients
(See components section) may not be sufficient. Minimise
exposure in accordance with good hygiene practice.

PHYSICAL AND CHEMICAL PROPERTIES

Physical Data

Form	: Liquid.
pH	: 5-7
Specific Gravity	: 0.9 (approx.)
Color	: Pale yellow
Solubility in water	: Dispersible
% volatile by volume	: 4 (approx.)

STABILITY AND REACTIVITY

Chemical Stability

Stable at normal conditions.

Incompatibility with Other Materials

Oxidizing agents

Decomposition

Combustion product:

Carbon dioxide, carbon monoxide
nitrogen oxides, ammonia
sulfur oxides

Polymerization

Polymerization will not occur.

TOXICOLOGICAL INFORMATION

Animal Data

Hydrocarbon Solvent
Oral LD50: > 24,000 mg/kg in rats

Animal testing indicates that the Hydrocarbon Solvent is an eye irritant, a mild skin irritant but not a skin sensitizer.

Single exposure tp ingestion to high doses of Hydrocarbon Solvent caused diarrhea. Repeated exposure caused decreased growth rate.

Single and repeated exposure by inhalation to high doses of Hydrocarbon Solvent caused inflammation of the lungs, histopathological changes of the lungs, and a form of pneumonia. Effects were only detected at or above levels well in excess of 100 ppm.

No adequate animal data are available to define the carcinogenic potential, developmental toxicity or reproductive effects of the Hydrocarbon Solvent.

Hydrocarbon Solvent did not produce genetic damage in bacterial cell cultures.

ECOLOGICAL INFORMATION

Ecotoxicological Information

AQUATIC TOXICITY:
No information is available.

DISPOSAL CONSIDERATIONS

Waste Disposal

Empty container retains product residue. Observe all hazard precautions. Do not distribute, make available, furnish or reuse empty container except for storage and shipment of original product. Remove all product residue from container and puncture or otherwise destroy empty container before disposal.

For information on the disposal of unused, unwanted, product and the cleanup of spills, contact the Provincial Regulatory Agency or the Manufacturer.

(DISPOSAL CONSIDERATIONS - Continued)

Container Disposal

Triple-rinse the emptied container thoroughly and add the rinsing to the spray mixture in the tank.

Follow provincial instructions for any required additional cleaning of the container prior to its disposal.

Make the empty unsuitable for further use.

Dispose of the container in accordance with provincial requirements.

Do not contaminate domestic or irrigation water, lakes, streams, or ponds by the cleaning of equipment or the disposal of waste.

TRANSPORTATION INFORMATION

Shipping Information

Not Regulated by DOT/IMO/IATA

Shipping Information -- Canada

This material is Not Regulated.

REGULATORY INFORMATION

U.S. Federal Regulations

TSCA Inventory Status : Listed.

Canadian Regulations

Regulated under the Pest Control Products Act--WHMIS Exempt

Registration No. 25467 Pest Control Products Act

OTHER INFORMATION

References

Information contained in the Material Safety Data Sheet was obtained from I.C.I. Americas Inc.- MSDS ID: 805479, with following disclaimer:

The information herein is given in good faith but no warranty, expressed or implied, is made.

(Continued)

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

Responsibility for MSDS

----- Crop Protection E.I. du Pont Canada Company
Box 2200, Streetsville
Mississauga, Ontario L5M 2H3
(905) 821-3300.

End of MSDS