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Safety & Environmental
Health

Material Safety Data Sheet

Customer P.O. No. 39280W

Date Printed: 07/05/2010
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Section 1 - Product and Company Information

Catalog Number: 47627-U (Reorder Product by this No.)
Product Name: KDWR PESTICIDES KIT, 5X1ML, METHANOL 1000UG/ML
Street Address: 595 North Harrison Road
City, State, Zip, Country: Bellefonte, PA 16823-0048 USA
Fax (MSDS Dept.): 814-359-5930
Emergency Phone: 800-521-8956 EXT 2143
CHEMTREC: 800-424-9300

Section 2 - Composition/Information on Ingredient(s)

Substance Name: KDWR PESTICIDE MIX
CAS#: no data available
SARA 313: No
Ingredients:

Ingredient Name	CAS #	% OR Conc.	OSHA PEL	ACGIH TLV	SARA	LD50	Codes
FENITROTHION	122-14-5	0.1	N/A	N/A	No	242 mg/kg	OR
DIAZINON	333-41-5	0.1	0.1 mg/m3	0.1 mg/m3	No	300 mg/kg	OR
MALATHION	121-75-5	0.1	10 mg/m3	10 mg/m3	No	290 mg/kg	OR
PARATHION	56-38-2	0.1	0.1 mg/m3	0.1 mg/m3	Yes	2 mg/kg	OR
SEVIN (CARBARYL)	63-25-2	0.1	5 mg/m3	5 mg/m3	Yes	250 mg/kg	OR
METHANOL	67-56-1	99-100	N/A	N/A	Yes	5628 mg/kg	OR

CODES: OR (Oral Rat), OM (Oral Mouse), OB (Oral Rabbit),
IR (Intraperitoneal Rat), IM (Intraperitoneal Mouse), IB (Intraperitoneal Rabbit),
VR (Intravenous Rat), VM (Intravenous Mouse), VB (Intravenous Rabbit),
SR (Subcutaneous Rat), SM (Subcutaneous Mouse), SB (Subcutaneous Rabbit)

Formula: MIXTURE

Chemical Name:

Synonym(s):

ANALYTICAL STANDARD IN METHANOL

RTECS Number: no data available

MSDS Dictionary:

CAS=Chemical Abstract Service; %=Percentage of Composition; TLV=Threshold
Limit Value; SARA=Superfund Amendments and Reauthorization Act of 1986;
TSCA=Toxic Substances Control Act; N/A=Not Available.

Section 3 - Hazards Identification

Emergency Overview:

Stable.

Harmful if inhaled.

May be fatal if swallowed.

Cholinesterase inhibitor.

To the best of our knowledge, the chemical, physical, & toxicological
properties have not been thoroughly investigated.

Carcinogenicity - Indefinite in animals.

See Section 11 for toxicological data.

Section 4 - First Aid Measures

Oral Exposure:

Immediately contact a physician.
Never give anything by mouth to an unconscious person.
Never try to make an unconscious person vomit.
Give 2 tablespoons of baking soda in a glass of water.
Press fingers to back of tongue to induce vomiting.

Inhalation Exposure:

Immediately move to fresh air.
Contact a physician.
Give oxygen if breathing is labored.
If breathing stops, give artificial respiration.

Dermal Exposure:

Flush skin with large volumes of water.
Wash clothing and shoes before reusing.

Eye Exposure:

Contact a physician.
Flush eyes with water for 15 minutes.

Additional Information: no data available

Section 5 - Fire Fighting Measures

Flammable Hazards:

Explosion Hazards:

Thermal Decomposition Components:

Carbon monoxide, carbon dioxide, formaldehyde, oxides of nitrogen, phosphorus & sulfur.

Extinguishing Media:

Suitable:

CO2.
Dry chemical.
Alcohol foam.

Firefighting

Protective Equipment:

Wear self-contained breathing apparatus when fighting a chemical fire.

Specific Hazard(s):

Flash Point (F):	Value:	Method:
Autoignition Temperature:	50° F	
Explosion Limits:	Lower:	Upper:
	6.0%	36.5%

Additional Information: no data available

Section 6 - Accidental Release Measures

Procedure to be followed in case of Leak or Spill:

Ventilate area.
Take up with absorbent material.
Eliminate all ignition sources.

Procedure(s) of Personal Precaution(s):

Avoid eye or skin contact.
Avoid breathing vapors.
Wear protective glasses.
Wear rubber gloves.
Wear face mask with organic vapor canister.

Methods for Cleaning Up:

Additional Information: no data available

Section 7 - Handling and Storage

Handling

User Exposure:

Avoid eye or skin contact.
Avoid breathing vapors.

Storage

Suitable:

Refrigerate in sealed container.
Keep away from oxidizers.
Keep away from ignition sources.

Additional Information: no data available

Section 8 - Exposure Controls/PPE

Engineering Controls:

Use only in well-ventilated area.

Personal Protective Equipment

Respiratory:

Wear face mask with organic vapor canister.

Hand:

Wear rubber gloves.

Eye:

Wear protective glasses.

Additional Equipment:

General Hygiene Measures:

Avoid eye or skin contact.
Avoid breathing vapors.

Additional Information: no data available

Section 9 - Physical and Chemical Properties

Appearance:

Clear colorless liquid

Odor:

Molecular Weight: no data available

pH:

Value:

Method:

Boiling Point Range:

65° C

no data available

Melting Point Range:

-98° C

Vapor Pressure:

100 mmHg

Vapor Density:

1.10

(Air=1)

Volatile %:

100

Specific Gravity/Density:

.790 g/cm³ or g/ml (Water=1)

Evaporation Rate:

>1

(Ether=1)

Value:

Method:

Flash Point (F):

50° F

Lower:

Upper:

Explosion Limits:

6.0%

36.5%

Solubility in Water:

100

Refractive Index:

Autoignition Temperature:

Additional Information: no data available

Section 10 - Stability and Reactivity

Stability:

Stable:

Stable.

Materials to Avoid:

Strong acids.
Metals.
Oxidizing agents.
Aluminum and magnesium.
Chromic anhydride, lead perchlorate, perchloric acids.

Section 10 - Stability and Reactivity

Conditions to Avoid:

N/A

Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide, formaldehyde, oxides of nitrogen, phosphorus & sulfur.

Hazardous Polymerization:

Will not occur.

Additional Information: no data available

Section 11 - Toxicological Information

Route of Exposure

Skin Contact:

Dermatitis.

Skin Absorption:

Eye Contact:

Inhalation:

Harmful if inhaled.

Breathing difficulty.

Ingestion:

May be fatal if swallowed.

Critical Effects:

Blindness.

Cholinesterase inhibitor.

Respiratory failure.

Additional Possible Effects:

Low blood pressure (hypotension).

Carcinogenicity - Indefinite in animals.

Target Organ(s) or System(s):

Liver damage.

Kidney damage.

Gastrointestinal disturbances.

Depresses central nervous system.

Signs and Symptoms of Exposure:

Headache.

Nausea.

Dizziness.

Narcosis.

Breathing difficulty.

Conditions Aggravated by Exposure:

Additional Information: no data available

May cause corneal injury.

Toxicity Data (LD50):

5628 mg/kg

Oral Rat

Section 12 - Ecological Information

Ecotoxicity:

No Data Available.

Section 13 - Disposal Information

Appropriate Method of Disposal of Substance or Preparation:

Comply with all applicable federal, state, or local regulations.

Contact a licensed professional waste disposal service to dispose of this material.

Section 14 - Transport Information

DOT
Proper Shipping Name: METHANOL
UN#: 1230
Class: 3.0
Packing Group:
Hazard Label: Excepted Qty
PIH: no data available

IATA
Proper Shipping Name: METHANOL (Methyl Alcohol)
IATA UN Number: 1230
Hazard Class: 3.0 6.1
Packing Group: II
Hazard Label: Excepted Qty
PIH: no data available

Section 15 - Regulatory Information

EU Directives Classification
Symbol of Danger: F T
Indication of Danger:
Highly flammable
Toxic
Risk Statements: R: 11 23 25
Highly flammable.
Toxic by inhalation and if swallowed.
Safety Statements: S: 16 24
Keep away from sources of ignition - No smoking.
Avoid contact with skin.

US Classification and Label Text
Indication of Danger:
Risk Statements:
Safety Statements:
US Statements:

United States Regulatory Information
SARA Listed: No
Deminimis:
Notes:
TSCA Inventory Item: Yes
United States - State Regulatory Information
California Prop-65:
Canada Regulatory Information
WHMIS Classification:
Class B - Division 2 - Flammable liquids (CPR 35).
Class D - Division 1 - Poisonous and infectious materials.
DSL:
NDSL:

Additional Information: no data available

Section 16 - Other Information

Disclaimer:
For R&D use only. Not for drug, household or other uses.

Warranty:
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Supelco, shall not be held liable for any damage resulting from handling or from contact with the above product. Copyright 2010 Supelco.
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