

*** MATERIAL SAFETY DATA SHEET ***

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SECTION I

Manufacturer	: W. R. MEADOWS, INC.				
Address	: 300 Industrial Drive : Hampshire, Illinois 60140				
Telephone #	: (847) 683-4500				
Emergency #	: 1-800-424-9300 Chemtrec				
Product Class	: DIVISION 3				
Mfg. code I.D.	: 3913000				
Trade Name	: DUOGARD CITRUS				

- H M I S -

Health	: 1
Flammability	: 0
Reactivity	: 0
Personal Protection	:

(Hazard Rating: 0=Least, 1=Slight, 2=Moderate, 3=High, 4=Extreme, *=Chronic)

SECTION II-A HAZARDOUS COMPONENTS

No. Component	CAS#	% by Weight	SARA 313	VAPOR PRESSURE (mm Hg @ 20 C)	LEL (@ 25 C)
None of the components of this product are recognized as carcinogenic.					
Under the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372, chemicals listed on the 313 List (40 CFR Part 373.65) are identified under the heading "SARA 313".					

SECTION II-B OCCUPATIONAL EXPOSURE LIMITS

No.	PEL/TWA	OSHA		TLV/TWA	ACGIH		SKIN
		PEL/CEILING	PEL/STEL		TLV/CEILING	TLV/STEL	
None listed							

SECTION III PHYSICAL DATA

Bolling Point	: N/A	% Volatile by volume	: N/A
Evaporation Rate	: < 1 (other = 1)	% Volatile by weight	: 3.0 (Theoretical)
Vapor Density	: > 1 (air = 1)	Weight per gallon	: 7.25 (Theoretical)
ph Level	: N/A	VOC Content	: 318 g/L

SECTION IV HEALTH INFORMATION

EYE CONTACT: This product may cause slight eye irritation. Corneal injury is unlikely.

SKIN CONTACT: Exposure may cause mild skin irritation. Prolonged or repeated contact may cause redness, drying, burning, and cracking of the skin. Persons with pre-existing skin disorders may be more susceptible to the effects of this material. Prolonged or repeated contact may result in desflating and drying of the skin which may result in dermatitis.

INHALATION: Exposure may produce irritation to the nose, throat, respiratory tract, and other mucous membranes.

INGESTION: May cause irritation of the gastrointestinal tract.

SIGNS AND SYMPTOMS: Symptoms of eye irritation include pain, tearing, reddening, and swelling. Symptoms of skin irritation include reddening, swelling, rash, and redness. Symptoms of respiratory irritation include runny nose, sore throat, coughing, chest discomfort, shortness of breath, and reduced lung function. Symptoms of gastrointestinal irritation include sore throat, abdominal pain, nausea, vomiting, and diarrhea.

AGGRAVATED MEDICAL CONDITIONS: Pre-existing skin, eye, and respiratory disorders may be aggravated by exposure to this product.

OTHER HEALTH EFFECTS: None recognized.

SECTION V EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: If irritation or redness develops, move victim away from exposure source and into fresh air. Flush eyes with water for fifteen (15) minutes. If symptoms persist, seek medical attention.

SKIN CONTACT: Remove contaminated shoes and clothing. Cleanse affected area(s) thoroughly by washing with mild soap and water. If irritation or redness develops and persists seek medical attention.

INHALATION: If respiratory symptoms develop, move victim away from exposure source and into fresh air. If symptoms persist, seek medical attention. If victim is not breathing, immediately begin artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention.

INGESTION: Dilute by giving water or milk to drink if the victim is conscious. Consult a physician, hospital, or poison control center and/or transport to an emergency facility.

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SECTION VI FIRE AND EXPLOSION HAZARDS

FLAMMABILITY CLASSIFICATION - NFPA: Not regulated
- DOT: Not regulated

FLASH POINT: Greater than 200 degrees F.

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical, or carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS: Clear fire area of unprotected personnel. Do not enter confined fire space without helmet, face shield, bunker coat, gloves, rubber boots, and a positive pressure NIOSH approved self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None recognized.

SECTION VII REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS AND MATERIALS TO AVOID: Avoid oxidizing materials.

HAZARDOUS DECOMPOSITION PRODUCTS: Combustion may yield Carbon Dioxide, Carbon Monoxide, and/or incomplete combustion products. Do not breathe smoke or fumes. Wear appropriate protective equipment.

SECTION VIII EMPLOYEE PROTECTION

RESPIRATORY PROTECTION: Use ventilation as required to control vapor concentrations - at least 10 air changes per hour are recommended for good general room ventilation. If exposure exceeds the PEL/TLV, use the appropriate NIOSH approved respirator.

PROTECTIVE CLOTHING: Wear safety glasses, goggles, or a splash shield to prevent eye contact. Contact lenses should not be worn. Wear appropriate gloves and protective clothing to prevent contact with skin and clothing.

ADDITIONAL PROTECTIVE MEASURES: Eye wash fountains and safety showers should be available for use in an emergency.

SECTION IX ENVIRONMENTAL PROTECTION

SPILL OR LEAK PROCEDURES: LARGE SPILLS>>> Evacuate the hazard area of unprotected personnel. Wear appropriate respirator and protective clothing. Shut off source of leak only if safe to do so. Dike and contain. If vapor cloud forms, water fog may be used to suppress; contain run-off. Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with an absorbent such as clay, sand or other suitable material; place in non-leaking containers for proper disposal. Flush area with water to remove trace residue; dispose of flush solutions as above. **SMALL SPILLS>>>** Take up with an absorbent material and place in non-leaking containers; seal tightly for proper disposal.

WASTE DISPOSAL: Observe all Federal, State and local regulations regarding proper disposal.

SECTION X ADDITIONAL PRECAUTIONS

Containers can contain product residues even when empty. Wash with soap and water before eating, drinking, smoking or using toilet facilities

The information contained herein is based on the data available to us and is believed to be correct. However, we make no warranty, expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injury from the use of the product described within.

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