





# MATERIAL SAFETY DATA SHEET

**DEXOL**

**SPECIAL FIRE FIGHTING PROCEDURES:** For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of normal products of combustion or oxygen deficiency. Equipment should be thoroughly cleaned after use. Read the entire document.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** NE

**NFPA HAZARD CLASSIFICATION:**    HEALTH            FIRE            REACTIVITY            SPECIFIC  
   1                            0                            0                            N/A

**NFPA HAZARD RATING CODES:**    INSIGNIFICANT    SLIGHT    MODERATE    HIGH    EXTREME  
   0                            1                            2                            3                            4

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** **SMALL SPILLS:** Soak up spilled material with paper towels and discard in trash. **LARGE SPILLS:** Liquid spills on floor or other impervious surfaces should be contained or diked, and should be absorbed with attapulgite, bentonite or other absorbent clays. Collect contaminated absorbent, place in plastic-lined metal drum and dispose of in accordance with instructions provided under section 13. "DISPOSAL". Thoroughly scrub floor or other impervious surface with a strong industrial type detergent solution and rinse with water. For liquid spills that soak into the ground, contact the applicable Federal, State and or County Health Dept. for disposal recommendations. If disposal is required then refer to Section 13 "DISPOSAL" for instruction. Leaking containers should be separated from non-leakers and either the container or its contents transferred to a drum or other non-leaking container and disposed of in accordance with instructions provided under Section 13 "Disposal". Any recovered spilled liquid should be similarly collected and disposed of.

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## SECTION 7: HANDLING AND STORAGE

**HANDLING AND STORAGE:** Do not contaminate water, food or feed by storage or disposal. Keep pesticides in original container. For containers larger than 24 oz.: Place sprayer nozzle on container so the sprayer is not below level of contents of container to prevent leakage. Store in a secure, preferable locked storage area. Protect from freezing.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** N/A

**VENTILATION:** General

**RESPIRATORY PROTECTION:** Avoid breathing vapor or mist.

**EYE PROTECTION:** For application of product in accordance with label instructions, no special eye protection is needed.

**SKIN PROTECTION:** Although this product does not present a significant skin concern, minimize skin contamination by following good industrial practice. Wearing protective gloves is recommended. Wash hands and contaminated skin thoroughly after handling.

**WORK HYGIENIC PRACTICES:** General

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Yellow or off-white hazy liquid

**VAPOR PRESSURE (mmHg):** NE

**ODOR:** N/A

**VAPOR DENSITY (AIR = ):** NE

**PHYSICAL STATE:** Liquid

**SPECIFIC GRAVITY:** 1.01 Water = @ 20°C

**BOILING POINT:** NE

**DENSITY:** NE

**MELTING POINT:** N/A

**pH:** 7.1 to 7.5

**FREEZING POINT:** NE

**AUTO IGNITION:** N/A

**WATER SOLUBILITY:** Soluble

**OTHER SOLUBILITIES:** NE



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**SECTION 10: STABILITY AND REACTIVITY**

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**STABILITY:** Stable

**INCOMPATIBILITY (MATERIAL TO AVOID):** NE

**HAZARDOUS POLYMERIZATION:** Will not occur

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**SECTION 11: TOXICOLOGICAL INFORMATION**

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**ACUTE ORAL EFFECTS:** Oral LD<sub>50</sub> = Rat = > 5.0 g/kg

**ACUTE DERMAL EFFECTS:** Dermal LD<sub>50</sub> Practically non-toxic, (rat) LD50 >5.0 gm/Kg

**CARCINOGENICITY:** Glyphosate: Glyphosate is noat considered to be a carcinogen. Glyphosate did not produce tumors in any of the long-term toxicology studies. EPA has classified glyphosate in a category "E" (evidence of noncarcinogenicity for humans) Mice: 2- year feeding study. Reduced body weight gain and effects on liver tissues were observed at high dose levels Rate: 2 – year feeding study. Reduced body weight gain and eye changes were observed at high dose level in one study, while no treatment related effects occurred in a second study conducted at a lower dose. Dogs: No adverse effects were observed in feeding studies with dogs. **Teratogenicity (birth defects):** Glyphosate: No evidence of teratogenic effects. Results of rat and rabbit teratology studies indicate that no birth defects were noted. This included dose levels of glyphosate that were maternally toxic. **Reproductive Toxin:** Glyphosate: No evidence of adverse reproductive effects. Glyphosate was fed continuously to rats at a very high dose level for successive generations. Toxicity was reported in offspring from the high dose, a level which also produced adverse effects on the mothers. In a 3-generation study conducted at lower dose levels, no adverse effects were seen on the ability of male or female rats to reproduce. **Mutagenicity (genetic effects):** Glyphosate has not produced any genetic changes in various mutagenicity tests involving animals and animal or bacterial cells.

**EYE EFFECTS:** moderately irritating, irritation cleared by test day 7 EPA FIFRA toxicity category III

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**SECTION 12: ECOLOGICAL INFORMATION**

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**ECOTOXICITY:** Aquatic Invertebrates: 48-hr EC50 Daphnia magna: 1,634 mg/L; Practically Nontoxic Warmwater Fish: 96- hr LC50 Silver orfe: 491 ml/L; Practically Nontoxic Coldwater Fish: 96-hr LC 50 Rainbow trout: 322 mg/L; Practically nontoxic Algal Species: 72-hr EC50 Selenastrum: 15 mg/L; Slightly Toxic Studies with the active ingredient indicate that this product would be practically nontoxic to avian species and honeybees. The results of degradation and bioconcentration studies with the active ingredient in this product indicate that it is rapidly absorbed into the soil, readily biodegrades in soil and water, and does not bioaccumulate.

**ENVIRONMENTAL FATE:** NE

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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**WASTE DISPOSAL METHOD: Product Disposal:** Partially filled bottle may be disposed of by securely wrapping original container in several layers of newspaper and discarding in trash. In case of spill or leak, soak up with paper towels and discard in trash. **Container Disposal:** Do not reuse empty bottle. Rinse thoroughly and wrap in several layers of newspaper before discarding in trash.

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**SECTION 14: TRANSPORT INFORMATION**

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**\*DOT HAZARD DESCRIPTION:** Not Regulated

(\*) U.S Department of Transportation

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**SECTION 15: REGULATORY INFORMATION**

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**U.S. FEDERAL REGULATIONS:** N/A

**SARA TITLE III:** reporting not required unless TPQ exceeded in inventory

**CERCLA:** N/A

**INDIVIDUAL STATES:** States such as Pennsylvania, New Jersey, California, Vermont, Massachusetts and Rhode Island may all have components of this product listed; consult specific state regulatory requirements for additional information.



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### SECTION 16: OTHER INFORMATION

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This information is provided in good faith, but without express or implied warranty. For additional information, refer to the American Conference of Governmental Industrial Hygienists (ACGIH) documentation of TLV's (Threshold Limit Values) for individual components and the DOT Emergency Response Guidebook.

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