MATERIAL SAFETY DATA SHEET

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I-PRODUCT IDENTIFICATION

WEED-O-SELECT

PRODUCT CODE: 275
CHEMICAL FORMULATION: WATER BASED HERBICIDE CONCENTRATE
NFPA HAZARD IDENTIFICATION SYSTEM: **HEALTH:** 2 **FIRE:** 0 **REACTIVITY**: 0
HAZARD RATING: 4- Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

II - HAZARDOUS INGREDIENTS

Hazardous Components (Specific Chemical Identity; Common Name (s))	CAS #	OSHA PEL	ACGIHTLV	EPA 40 CFR 302	355	372	% option
DIMETHYLAMINE SALT OF 2,4 DICHLOROPHENOXYACETIC ACID	2008-39-1	10mg/m3	N/E	Y	N	N	25

Key: **PEL:** Permissible Exposure Limit **TLV:** Threshold Limit Value **C:** Ceiling Level **STEL:** Short Term Exposure Limit
N/A: Not Applicable **N/D**: Not Determined **N/E:** Not Established **Y:** Yes **N:** No
302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).
355: SARA TITLE III/ List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).
372: SARA TITLE III/ List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

III - PHYSICAL DATA

BOILING POINT (C/F): N/D
MELTING POINT:
VAPOR PRESSURE (mm Hg.)@20C N/D
SPECIFIC GRAVITY (WATER = 1): 1.08
CORROSION RATE:
LBS PER GALLON:
VAPOR DENSITY (AIR = 1): N/D
VOC CONTENT (% by weight): <10.0
SOLUBILITY IN WATER: SOLUBLE
EVAPORATION RATE (Water = 1): N/D
pH: 7.50-8.50

APPEARANCE AND ODOR: CLEAR, DARK BROWN LIQUID, CHARACTERISTIC ODOR

IV - FIRE AND EXPLOSION HAZARD

FLASH POINT (F/(C): NONE **(TEST METHOD):** CLOSED CUP
FLAMMABLE LIMITS: **UPPER:** N/A **LOWER:** N/A
EXTINGUISHING MEDIA: FOAM, DRY CHEMICAL, CARBON DIOXIDE, WATER FOG

SPECIAL FIRE FIGHTING PROCEDURES: FIREFIGHTERS SHOULD BE EQUIPPED WITH FULL PROTECTIVE GEAR INCLUDING SELF-CONTAINED BREATHING APPARATUS. USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS. MINIMIZE WATER USED TO FIGHT FIRE AS RUN-OFF MAY CAUSE POLLUTION. COLLECT RUN-OFF FOR PROPER DISPOSAL.

UNUSUAL FIRE AND EXPLOSION HAZARD: NONE

V - REACTIVITY DATA

STABILITY: STABLE
INCOMPATIBILITY: STRONG OXIDIZERS AND ACIDS

CONDITIONS TO AVOID: ELEVATED TEMPERATURES

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: THERMAL DECOMPOSITION MAY PRODUCE HYDROGEN CHLORIDE AND NITROGEN OXIDES

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
CONDITIONS TO AVOID: NONE

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VI - HEALTH AND HAZARD DATA

ROUTES OF ENTRY: INHALATION? YES **SKIN?** YES **INGESTION?** YES **EYE?** YES

CARCINOGENICITY? NO **NTP?** NO **IARC MONOGRAPHS?** NO **OSHA REGULATED?** NO

EFFECTS OF OVEREXPOSURE

IF IN EYES: SEVERE IRRITATION, REDNESS, POSSIBLE IRREVERSIBLE CORNEAL INJURY
IF ON SKIN: MILD IRRITATION, HARMFUL IF ABSORBED
IF SWALLOWED: MAY CAUSE MUSCLE WEAKNESS, NAUSEA, VOMITING, ABDOMINAL PAIN, FALL IN BLOOD PRESSURE OR MYOTONIA (PROLONGED MUSCULAR SPASM) UNDER EXTREME EXPOSURE CONDITIONS
IF INHALED: IRRITATION TO RESPIRATORY TRACT, DIZZINESS

EMERGENCY AND FIRST AID PROCEDURES

IF IN EYES: FLUSH WITH FLOWING WATER FOR 15 MINUTES & SEE PHYSICIAN IMMEDIATELY
IF ON SKIN: WASH WITH SOAP & WATER, IF IRRITATION PERSISTS SEE PHYSICIAN
IF SWALLOWED: CONTACT PHYSICIAN OR POISON CONTROL IMMEDIATELY, GIVE LARGE QUANTITIES OF MILK, EGG WHITES, GELATIN SOLUTION OR WATER, AVOID ALCOHOL
IF INHALED: REMOVE PERSON TO FRESH AIR, IF BREATHING HAS STOPPED ADMINSTER ARTIFICIAL RESPIRATION METHODS, SEEK MEDICAL ATTENTION

VII - SPILL AND LEAK PROTECTION

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: VENTILATE AREA AND CONTAIN SPILL. SOAK UP SPILLED MATERIAL WITH ABSORBENT MATERIAL AND STORE IN PROPERLY LABELED CLOSED CONTAINER FOR DISPOSAL
WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE & LOCAL REGULATIONS.

VIII - SPECIAL PROTECTION INFORMATION

VENTILATION: **Local Exhaust:** PREFERRED **Mechanical (General)**: AT POINT OF VAPOR, MIST RELEASE
Other: AVOID BREATHING OF VAPOR OR SPRAY **Special:** N/A

RESPIRATORY PROTECTION: USE WITH ADEQUATE VENTILATION. IF RECOMMENDED EXPOSURE LIMITS ARE EXCEEDED WEAR A NIOSH APPROVED RESPIRATOR FOLLOWING MANUFACTURER'S RECOMMENDATIONS.
PROTECTIVE GLOVES: CHEMICAL RESISTANT
EYE PROTECTION: CHEMICAL GOGGLES OR SAFETY GLASSES
OTHER PROTECTIVE EQUIPMENT: PROTECTIVE CLOTHING, EYEWASH FACILITIES OR SAFETY SHOWER
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE IN A COOL, DRY PLACE AWAY FROM HEAT OR OPEN FLAME. DO NOT CONTAMINATE WATER, FOOD FEED, OR SEED BY STORAGE OR DISPOSAL. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.
OTHER PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN

WORK/HYGIENIC PRACTICES : PRACTICE GOOD PERSONAL HYGIENE. WASH AFTER HANDLING. SHOWER AT END OF WORK PERIOD.

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