

# MATERIAL SAFETY DATA SHEET

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GENERAL INFORMATION # : 314-647-1888  
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## I-PRODUCT IDENTIFICATION

### CONTACT KILL

PRODUCT CODE: #066

CHEMICAL FORMULATION: CONTACT WEED-KILLER

NFPA HAZARD IDENTIFICATION SYSTEM:

TOXICITY: 3

FLAMMABILITY: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))	CASE #	OSHA PEL	ACGIHSTEL	Other Limits Recommended	% optional
DIQUAT DIBROMIDE 6,7-DIHYDRODIPYRIDO (1,2-a:2',1'-c)					
PYROZINEDIUM DIBROMIDE	85-00-7	0.5mg/m3			1.85
PETROLEUM DISTILLATE	#8002-05-9				98.15

**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 (°f): 212 LBS PER GALLON: 8.4  
VAPOR PRESSURE (mm Hg): 17 SPECIFIC GRAVITY (WATER = 1): 1.0084  
VAPOR DENSITY (AIR = 1): 0.62 VOC CONTENT (% by weight): NOT DETERMINED  
SOLUBILITY IN WATER: COMPLETE EVAPORATION RATE (Butyl Acetate=1): 1.0  
pH of Concentrate: 8.0 pH of Dilution: 7.0  
APPEARANCE AND ODOR: CLEAR DARK BROWN THIN LIQUID CHARACTERISTIC PUNGENT ODOR

## IV - FIRE AND EXPLOSION HAZARD

FLASH POINT (°F): NONE (TEST METHOD):  
FLAMMABLE LIMITS: N/A LEL: N/A UEL: N/A

EXTINGUISHING MEDIA: WATER SPRAY OR FOG, FOAM, DRY CHEMICAL, CARBON DIOXIDE IF PRODUCT IS INVOLVED

SPECIAL FIRE FIGHTING PROCEDURES: AVOID EXPOSURE TO FUMES OR VAPORS. WEAR SELF-CONTAINED POSITIVE PRESSURIZED BREATHING APPARATUS MSHA/NIOSH APPROVED OR EQUIVALENT.

UNUSUAL FIRE AND EXPLOSION HAZARD: USE WATER SPRAY TO COOL ADJACENT FIRE EXPOSED CONTAINERS. CONTAIN AND ISOLATE RUNOFF FOR PROPER DISPOSAL. PRODUCT WILL NOT BURN BUT MAY SPLATTER IF TEMPERATURE EXCEEDS BOILING POINT.

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## V - REACTIVITY DATA

<b>STABILITY:</b>	STABLE
<b>INCOMPATIBILITY:</b>	STRONG OXIDIZING, REDUCING AGENTS, ACIDS ANIONICS
<b>CONDITIONS TO AVOID:</b>	PROTECT FROM FREEZING. STORE BELOW 115F.
<b>HAZARDOUS DECOMPOSITION OR BYPRODUCTS:</b>	IF BURNED, NORMAL COMBUSTION PRODUCTS; CARBON DIOXIDE & CARBON MONOXIDE; NITROUS OXIDES BROMINE COMPOUNDS
<b>HAZARDOUS POLYMERIZATION:</b>	WILL NOT OCCUR
<b>CONDITIONS TO AVOID:</b>	NONE

## VI - HEALTH AND HAZARD DATA

ROUTES OF ENTRY      INHALATION: YES      SKIN: YES      INGESTION: YES      EYES: YES  
CARCINOGENICITY: YES    NTP? YES    IARC MONOGRAPHS? N/E    OSHA REGULATED? YES

### EFFECTS OF OVEREXPOSURE

IF IN EYES: MAY CAUSE BURNS AND IRRITATION

IF ON SKIN: MAY CAUSE BURNS AND IRRITATION

IF SWALLOWED:

IF INHALED:

### EMERGENCY AND FIRST AID PROCEDURES

IF IN EYES: FLUSH WITH FLOWING WATER FOR 15 MINUTES & SEE PHYSICIAN

IF ON SKIN: WASH WITH SOAP & WATER & SEE PHYSICIAN IF IRRITATION PERSISTS.

IF SWALLOWED: GIVE MILK OR WATER TO DILUTE MATERIAL & DO NOT INDUCE VOMITING. SEE PHYSICIAN IMMEDIATELY

IF INHALED: MOVE TO FRESH AIR.

## VII - SPILL AND LEAK PROTECTION

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** SOAK UP & ABSORB SPILL ON DIATOMACEOUS EARTH, SAWDUST, OR OTHER INERT MATERIAL. DIKE LARGE SPILLS & PUMP TO SUITABLE CONTAINERS 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      **Special:**  
                         **OTHER:** AVOID BREATHING OF VAPOR OR SPRAY

**RESPIRATORY PROTECTION:** NIOSH APPROVED RESPIRATOR FOR MIST

**PROTECTIVE GLOVES:** IMPERVIOUS RUBBER DETERGENT RESISTANT

**EYE PROTECTION:** SPLASH PROOF CHEMICAL GOGGLES

**OTHER PROTECTIVE EQUIPMENT:** IMPERVIOUS RUBBER BOOTS & APRON EYEWASH FACILITIES SAFETY SHOWER

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:**      CAUTION KEEP OUT OF REACH OF CHILDREN  
DO NO CONTAMINATE WATER, FOOD OR FEED. AVOID ALL CONTACT.

**OTHER PRECAUTIONS:** DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. AVOID ENTRY INTO SEWERS OR NATURAL WATERS. REMOVE & WASH CONTAMINATED CLOTHING BEFORE REUSE

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

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