

MATERIAL SAFETY DATA SHEET

CHEMCO INDUSTRIES, INC.
5731 Manchester Ave., St. Louis, MO 63110



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GENERAL INFORMATION # : 314-647-1888
EMERGENCY TELEPHONE # : (800) 854-4236

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-DIYDRODIPYRIDO (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

STABILITY:	STABLE
INCOMPATIBILITY:	STRONG OXIDIZING, REDUCING AGENTS, ACIDS ANIONICS
CONDITIONS TO AVOID:	PROTECT FROM FREEZING. STORE BELOW 115F.
HAZARDOUS DECOMPOSITION OR BYPRODUCTS:	IF BURNED, NORMAL COMBUSTION PRODUCTS; CARBON DIOXIDE & CARBON MONOXIDE; NITROUS OXIDES BROMINE COMPOUNDS
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR
CONDITIONS TO AVOID:	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 VOMITTING. 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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