000084

WATERIAL SAFETY DATA SHEET			1	00084	<u> </u>	
PRODUCT NAME Brakleen (bulk) #05090,05091,05093				# MSDS 005090		
MANUFACTURED BY: CRC CHEMICALS			Phone (215) 674-4300			
885 LOUIS DRIVE, WARMINSTER, PA	. 18974			·		
1. INGREDIENTS	CAS#	ACGIH TLV	OSHA PEL	Other Limits	%	
1,1,1 Trichloroethane	71-55-6	350	350		92 9	
Diethylene ether	123-91-1	25	100)	
Methyl butylnol	115-19-5	N/A	N/A	. 1	\ \ <7.1	
Sec. butyl alcohol	78-92-2	100	150)	
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2. PHYSICAL DATA						
		Hg @20°C %	Volatile	100 %	·	
	Evaporation Rate Rapid		· · · · · · · · · · · · · · · · · · ·			
		(air = 1)	· · · · · · · · · · · · · · · · · · ·			
	iquid, irritating odo					
Solubility Slight solubi	ility in water - good	solvent for	many organ	nic mater	ials.	
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B. FIRE AND EXPLOSION DAT		1				
Flashpoint None Method TCC, COC, TOC			lammable Limits			
	r, fog	LEI	_7.0 U	EL 15.	5	
Inusual Hazards N/A						
REACTIVITY AND STABILIT						
	sures to high temperat					
	nermal - Hydrogen chlo				•	
	age in aluminum contai	ners or conta	act with a	luminum a	and/or	
zinc powder		· · · · · · · · · · · · · · · · · · ·				
. PROTECTION INFORMATIO	N					
entilation Maintain vapor c	concentrations below T	LV - use mecl	nanical ve	ntialtion	if nec	
espiratory Above TLV use sl	lef contained breathin	g apparatus ((air mask	or vapor	mask)	
iloves Solvent resistan	t Eye & Face Saf	ety glasses	<u>.</u>			
Other Protective Equipment						

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MSDS 005090	
. HEALTH HAZA	ARD DATA
rimary Routes of Ent	try Inhalation and skin contact
igns and Symptoms	
Acute Overexposur	e Inhalation - headaches, dizziness, anesthetic effects, unconsciousne
	Eyes - causes pain and some irritation. Skin - causes irritation
	on repeated exposures.
. Chronic Overexpos	ure Repeated overexposures may cause liver and kidney effects.
Medical Conditions G	enerally Aggravated by Exposure High levels may cause cardiac arrhythmias
	(over 8000 ppm).
Chemical Listed as Carcinogen or Potential Carcinogen	National Toxicology Yes□ IARC Yes□ OSHA Yes□ Program No 전쪽 Monographs No 전쪽 No 전쪽
1 / Otalital Carcinogen	
mergency and First	Aid Procedures (if symptoms persist, call a physician)
. Inhalation	Remove to fresh air - apply artificial respiration if needed.
. Eyes	Flush with large amounts of water for 15 minutes.
l. Skin	Remove contaminated clothing. Wash exposed skin with soap and water.
. Ingestion	Do not induce vomiting - call a physician.
7. SPILL OR LEA	K PROCEDURES
recautions to be taken in landling and Storage	Store in a cool, dry area. Do not store in aluminum containers.
Steps to be taken in case Materials is released or spilled	Keep out of water supply. Ventilate area. Do not enter spill area
	without a mask. Dike area and pump into containers or use absorbent to
	pick up.
Waste Disposal	Treat as Hazardous Waste. Dispose of in conformance with Local, State and
	Federal regulations.
B. SPECIAL PRE	CAUTIONS AND USE DIRECTIONS
Avoid prolong	ed contact with skin. Avoid prolonged breathing of vapors. Vapors are
heavier than	air and will collect in low areas such as pits, storage tanks, the hold of
a ship, etc.	If vapors are suspected in low areas, do not enter unless special breathing
	used and an observer is present for assistance.
PREPARED BY: A	llen B. Reed
ORIGINAL DATE OR	