MATERIAL SAFETY DATA SHEET

	MATERIAL SALETT DA	TA SHEET			•	
PRODUCT NAME Brakleen (Aerosol) #05089, 05089T			#MSDSO	#MSDSO 5089		
MANUFACTURED BY: CRC Industries, Inc.			Phone (215) 674-4300			
885 LOUIS DRIVE, WARMINSTER,	PA. 18974					
1. INGREDIENTS	CAS#	ACGIH TLV	OSHA PEL	Other Limits	2/0	
l,l,l Trichloroethane	71-55-6	350	350	Limits	91.0	
1,3 Dioxolane	646-06-0	NA	NA		3.0	
2-Butanol	78-92-2	100	100		2.0	
	-					
Carbon Dioxide	124-38-9 ·	5000	10000		4.0	
•						
These chemicals are listed	i in the Toxic Chemical L	ist found in	Section	313 of th	е	
Emergency Planning and Con	munity-Right-To-Know Act	(SARA Tit)	le III) an	d are sub	ject to	
release inventory reporting	ng under that act.					
. PHYSICAL DATA (does	not include carbon diox	ide propelle	ent)			
pecific Gravity1.293. (70°F)	·Vapor Pressure 100 mm €	20°C %	Volatile 1	.00%		
uiling Point 164°P	Evaporation Rate Rapid					
reezing Point N/A	Vapor Density 4.55 (air	= 1)				
ppearance and Odor Colorles	ss liquid - irritating od	or at high o	concentrat	ions		
olubility Slight s	solubility in water - goo	d solvent fo	or many or	ganic mat	erials	
	•	,				
. FIRE AND EXPLOSION D	ATA					
lashpoint None Method TC	C, COC, TOC	Fla	ammable Lin	nits		
xtinguishing Media Water, 1	log	LE	L 6 L	JEL 16.7		
nusual Hazards Aerosol	cans may explode if their	r temperatur	re exceeds	130° F		
REACTIVITY AND STABI	LITY					
tability Good - avoid exposi	res to open flames, arcs	, and high t	temperatur	es.	,	
azardous decomposition products	Thermal - Hydrogen chlor	ide, chlorin	ne and som	e phosger	ie	
laterials to avoid Avoid storage	ge in aluminum containers	or contact	with alum	inum and/	'or	
zinc powder						
PROTECTION INFORMA	TION					
	oncentration below TLV -	Use mechanic	cal means	if necess	ary.	
espiratory Above TLV use se	lf contained breathing ap	pratus (air	mask or w	apor mask	:),	
Hoves solvent resistant		ety glasses				
ther Protective Equipment -Hot i	normally required for aer	osol product	usage.			
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6. HEALTH HAZARD DATA	
Primary Routes of Entry Inhalation and skin contact	(
Signs and Symptoms of Exposure	
1. Acute Overexposure Inhalation - headaches, dizziness, anesthesia, unconsciousne	
Eyes - causes pain and some irritation. Skin - irritation o	93.
repeated exposures.	(1
2. Chronic Overexposure Repeated overexposures may cause liver and kidney effects.	
Medical Conditions Generally Aggravated by Exposure High levels (8000 ppm +) of vapor ma	
cardiac arrhythmias	y cause
Chemical Listed as Carcinogen National Toxicology Yes I LARC Yes I OS	HA Yes I
Program No XX Monographs No XX	No XX
Emergency and First Aid Procedures (If symptoms persist, call a physician)	
1. Inhalation Remove to fresh air, apply artificial respiration if necessary.	
2. Eyes Flush for 15 minutes with large amounts of water.	·
Remove contaminated clothing, wash exposed area with soap and water. 4 Ingestion DO NOT induce vomiting - call physician	
7. SPILL OR LEAK PROCEDURES	
Precautions to be taken in	
Handling and Storage Store In a Cool, dry place.	
Steps to be taken in case	
Waterials is released or spilled Usually not a problem with aerosols. Area should be ventiled	ated and
absorbent used to pick up excess material.	
Waste Disposal Discarded full cans or partially filled cans are considered Up-	
market considered hazar	
Waste - Dispose of in conformance with Local, State and Federal 18. SPECIAL PRECAUTIONS AND USE DIRECTIONS	regulation
Avoid skin contact or breathing of vapors. Since vapors are heavier than a	
aerosols should not be used in confined areas or low spots without adequate	
ventilation. If vapors are suspected in a low area, do not enter unless spe	ecial .
breathing apparatus is used and an observer is present for assistance.	
Keep aerosols away from heat.	
PREPARED BY: Allen B. Reed	
ORIGINAL DATE OF DATE OF REVISION 3-90	