# Material Safety Data Sheet



### SPECIAL BROMINATOR

	SECTION I - IDENT	IFICATION					
MANUFACTURER'S NAME							
PHONE NUMBER	(616) 361-6691						
	IERGENCY PHONE NUMBERCHEMTREC (800) 424-9300						
EFFECTIVE DATE	4/9/01	OMINATOR					
TRADE NAMECHEMICAL FAMILY							
CHEMICAL PAMILT	Didiniacoa nik	dazonano dione					
SECTION II - HAZARDOUS INGREDIENTS							
HAZARDOUS INGREDIENTS	OSHA PEL	TLV (Units)	CAS NUMBER				
1,3-dibromo-5 5-dimethylhydantoin	Not Established	Not Established	77-48-5				
	SECTION III - PHYS	ICAL DATA					
BOILING POINT							
FREEZING POINT							
VAPOUR PRESSURE							
VAPOUR DENSITY (air=1)	Not Applicable						
SOLUBILITY IN H20	Soluble						
	ID APPEARANCE						
SPECIFIC GRAVITY		•					
pH	Not Determined						
SECTION	ON IV - FIRE AND EXPLO	OSION HAZARD DATA					
FLASHPOINT AND METHOD OF DETE							
LOWER EXPLOSIVE LIMIT (% by Volu							
UPPER EXPLOSIVE LIMIT (% by Volum	Not Applicable						
MEANS OF EXTINCTION	Dry chemical, water spray (fog), foam, or carbon dioxide.						
SPECIAL FIRE FIGHTING PROCEDURI	Toxic fumes may be liberated. Use self contained breathing						
	apparatu	is in confined areas.					
UNUSUAL FIRE HAZARD	None Ci	urrently Known					
	SECTION V - HEALTH	HAZARD DATA					
CARCINOGENICITY, REPRODUCTIVE							
NTP?							
ARC MONOGRAPHS?			atan and beauties are as 1				
OVER EXPOSURE EFFECTS			ation and ingestion expected				
	be harmful.						
PRIMARY ROUTE(S) OF ENTRY	Inhalation	C. Even Immediately flush	a with plants of water for at				
SPECIFIC FIRST AID PROCEDURES	least 15 mi	nutes. Get Medical Attention.	Skin; Immediately flush skir				
	with plenty	of water for at least 15 minute	s while removing				
	contaminat	ed clothing and shoes. Wash co	ontaminated clo thing before				
	reuse. Get	Medical Attention. INGESTIO	ical Attention Mayor sive				
	water. Do	not induce vomiting. Get Medi	icai Aucilion. Never give				

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anything by mouth to an unconscious person. INHALATION: Remove to fresh air. If not breathing give artificial respiration, preferabley mouth to mouth. If breathing is difficult, give oxygen. Get Medical Attention.

EXPOSURE AGGRAVATED MEDICAL CONDITIONS

None Currently Known

SECTION	VI	- REACT	FIVITY	DATA
3F4 . I ICHY	· ·	- Nr./4		UAIA

CHEMICAL STABILITY ...... Stable

CONDITIONS TO AVOID ...... None Established.

INCOMPATIBLE MATERIALS...... This product is a strong oxidizing and brominating agent. Avoid contact with

aldehydes, strong reducing agents, acids, and ammonia containing products.

Avoid contact with metals such as steel, aluminum, iron and copper.

HAZARDOUS DECOMPOSITION PRODUCTS....... If strongly overheated, may release bromine.

#### SECTION VII - SPILL OR LEAK PROCEDURE

LEAK AND SPILL PROCEDURES...... Sweep or shovel spills into appropriate container for disposal.

solutions resulting from flushing spills should be disposed of at an approved hazardous waste disposal facility according to local, state and federal laws and

regulations.

#### **SECTION VIII - SPECIAL PROTECTION**

OTHER PROTECTIVE EQUIPMENT ......Flowing water source should be available. Prevent contact with skin & colthes

by using protective garments.

HANDLING PROCEDURES AND EQUIPMENT ..... Store in well-ventilated cool, dry area. Keep container closed when not in use.

#### SECTION IX - SPECIAL PRECAUTIONS

HAZARD CLASS ...... Oxidizer - 5.1 - P.G.II

DOT SHIPPING NAME.......Oxidizing solid NOS(Brominator)

UN NUMBER ......UN1479

product may be shipped ORM-D (Non-regulated)

REFERENCES

HMIS RATING; H-3, F-0, R-0, PPE-F EPA

REG. # 3377-61-57787 ZZ3SPBRO

12/19/01 2