

MATERIAL SAFETY DATA SHEET

Agricultural Products Group P.O.Box 13528, Research Triangle Park, NC 27709 **EMERGENCY TELEPHONE NUMBERS:** BASF Corporation: 1 (800) 832-HELP

CHEMTREC: 1 (800) 424-9300

Product No.: 5796	614 As	sert® herbicid	e						
Date Prepared: 7/29/2000 Date Revised:									
SECTION I									
Trade Name: A	ssert® herbicide								
Chemical Name: Methyl esters of 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-4- methylbenzoic acid and 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2- yl]-5-methylbenzoic acid									
Synonyms: Imazamethabenz methyl ester; AC 222, 293 Formula: C(16) H(20) N(2) O(3)									
Chemical Family	r: Imidazolinone Mol Wt: 288.50								
SECTION II - INGREDIENTS									
CO	MPONENT	CAS NO.	%		PEL/TLV - SOUF	₹CE			
Imazamethabenz ı	methyl ester	81405-85-8	27.0	5 mg/r	m(3) - manufacturer	recommended			
N-methyl-2-pyrroli	done	872-50-4	49.0	None e	stablished				
Sulfuric acid		7664-93-9	5.70	1 mg/m	n(3) (TWA 8 hr) ACC	ЭН			
Inerts		N/A	18.3	8.3 None established					
SARA Title III Se	ction 313: Listed								
	SECTIO	ON III - PH	SICAL	DATA					
BOILING/MELTI	NG POINT@760mm Hg:	372.2 ºF		pH: 2.	.1 (10% dilution)				
VAPOR PRESSURE mmHg @ 20°C: N/D									
SPECIFIC GRAVITY OR BULK DENSITY: 1.11 g/mL @ 20º C									
SOLUBILITY IN	WATER: Miscible								
APPEARANCE:	Clear to amber liquid	0	DOR: Ami	ne	INTENSITY:	Mild			
	SECTION IV -	FIRE AND	EXPLO	OSION	DATA				
FLASH POINT (TE	EST METHOD): >179.6	⁰F SFCC		AUTO	IGNITION TEMP: N	/D			
FLAMMABILITY L	IMITS IN AIR (% BY VOL):		LOWER	: N/D	UPPER: N	I/D			
NFPA 704 HAZARD CODES									
HEALTH: N/R FLAMMABLE: N/R INSTABILITY: N/R OTHER: N/R									
NFPA 30 STORAGE CLASSIFICATION: Class IIIA									
EXTINGUISHING Use water fog, foam, CO(2), or dry chemical extinguishing media. MEDIUM									
SPECIAL FIREFIGHTING PROCEDURES	Firefighters should be equipped with self-contained breathing apparatus and turnout gear.								
UNUSUAL FIRE EXPLOSION HAZARDS	Organic dusts may form	an explosive d	ust/air mi	xture.					

Product No.: 579614

SELECT ACRONYM KEY

N/A -	Not available; N/D - Not determin	ned; N/R - Not rated; N/E - Not established			
	SECTION V -	HEALTH DATA			
Rabbit, Dermal LD Rat, Inhalation LC Rat, Inhalation LC Rabbit, Eye Irritation Rabbit, Skin Irritation	n product: D50 = 3078 mg/kg LD50 = 2333 mg/kg 50 (combined sexes) > 2000 mg/kg 50 (4 hr) - Not available 50 (1 hr calculated) - Not available				
OSHA, NTP, or IAR	Carcinogen: Not listed.				
EFFECTS OF OVERE	XPOSURE:				
Avoid breathing va Harmful if swallowe Existing medical co	por or spray mist. Wear face shield or gog	t in eyes. Avoid contact with skin and clothing. gles when handling.			
None known.					
If in eyes:		with water for 15-20 minutes. Remove contact lenses, if present, Call a poison control center or doctor for treatment advice.			
If swallowed:	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person.				
If on skin:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.				
If inhaled:	Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.				
Note to physician:	Probable mucosal damage may contraindicate the use of gastric lavage.				
Note:	e: Have the product container or label with you when calling a poison control center or doctor or going for treatment.				
	SECTION VI - R	EACTIVITY DATA			
STABILITY: Stable	. Do not store below 40º F.Stability n	ot affected by freezing/thawing			
CONDITIONS TO A	/OID: Store in original container sources, heat or flame.	in cool,dry, well ventilated place away from ignition			
	PATIBILITY: Strong acids and base	es, oxidizing agents.			
		ding but not limited to oxides of carbon, nitrogen, and sulfur			
	MERIZATION: Does not occur.				
HAZARDOUS POLY CONDITIONS TO A					

SECTION VII - PERSONAL PROTECTION

PESTICIDE APPLICATORS & WORKERS must refer to the Product Label attached to the product for Agricultural Use Requirements in accordance Protection Standard 40 CFR part 170.				
RECOMMENDATIONS FOR MANUFACTURING, COMMERCIAL BLENDING WORKERS:	G, AND PACKAGING			
Respiratory Protection: Supplied air respirators should be worn if large quantities of mist/dust are possible. Eye Protection: Chemical goggles when respirator does not provide eye protection.	e generated or prolonged exposure			
Protective Clothing: Gloves and protective clothing as necessary to prevent skin contact.				
Ventilation: Whenever possible, engineering controls should be used to minimize the need for personal protective equipment.				
SECTION VIII - ENVIRONMENTAL	DATA			
ENVIRONMENTAL TOXICITY DATA				
See the product label for information regarding environmental toxicity.				
SARA 311/312 REPORTING				
FIRE: N PRESSURE: N REACTIVITY: N ACUTE: Y CHR	RONIC: N TPQ(lbs): N/R			
SPILL AND LEAK PROCEDURES:				
In case of large scale spillage of this product, avoid contact, isolate area and persons. Call CHEMTREC (800 424-9300) or BASF Corporation (800 832-H protective equipment as specified on the label. FOR A LIQUID SPILL: Dike and contain the spill with inert material (sand, e solid diking materials to separate containers for disposal.	ELP). For a small spill, wear personal			
WASTE DISPOSAL METHOD:	IDS). 1,000			
WASTE DISPOSAL METHOD: Pesticide wastes are acutely hazardous. Wastes resulting from this product may be disposed of on site or at an approved waste disposal facility. Improper disposal of excess pesticide, spray mix or rinsate is a violation of federal law. If these wastes cannot be disposed of according to label instructions, contact the state agency responsible for pesticide regulation or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.				
HAZARDOUS WASTE 40CFR261: No HAZARDOUS W	ASTE NUMBER: None			
CONTAINER DISPOSAL:				
FOR PLASTIC CONTAINERS: Triple rinse (or equivalent) and add rinsate t recycling or reconditioning, or puncture and dispose of in a sanitary landfill, o and local authorities, by burning. If burned, stay out of smoke. FOR BULK CONTAINERS: Reusable containers should be returned to the p filling.	or by incineration, or if allowed by state			
FOR MINIBULK CONTAINERS: Clean all tanks on an approved loading pad so rinsate can be collected and mixed into the spray solution or into a dedicated tank. Using a high pressure sprayer, rinse several times with small volumes of water to minimize rinsate.				

Product N	lo.: 579614	Assert® herbici	de		BASF Corporation	
	SECTION IX - S	SHIPPING DAT	ГА - РА	ACKAGE AN	ND BULK	
D.O.T. PR None	ROPER SHIPPING NAME (49CFR172.101-102):		HAZARDOUS SUBSTANCE (49CFR CERCLA LIST): Sulfuric acid RQ(lbs): 1,000			
PRIMARY	ZARD CLASSIFICATION (CI	FR 172.101-102):		SECONDARY		
None						
D.O.T. LA	BELS REQUIRED (49CFR17		T. PLACA UIRED (C	ARDS FR172.504):	POISON CONSTITUENT (49CFR172.203(K)):	
None						
BILL OF I	ADING DESCRIPTION					
Compou	nds, tree or weed killing, (herl	picides), NOIBN				
This pro	duct is not regulated by the De	epartment of Transpo	ortation.			
CC NO.:	Not applicable		UN/NA (CODE: None		
	SECTIC	N X - ADDITIC		NFORMATI	ON	
	herbicide g. No. 241-285					
	-					
KEEP O	UT OF REACH OF CHILDRE	EN				
DANGE	ER/PELIGRO					
	Complete Labe	l and Directions Fo	r Use are	attached to the	e product.	
		Agricultural Use	Require	ments		
	Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.					
BASF C	orporation					
	ral Products Group					
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