

#### CHEMICAL PRODUCT AND COMPANY IDENTIFICATION 1.

	Due durcht iste stiffer an				
1.1	Product identifiers				
	Product Name:	Oxalyl dihydrazide			
	CAS Number:	996-98-5			
	Catalog Numbers:	A270444	A.		
1.2	Relevant identified uses of the substance or mixture and uses advised against				
	Identified uses:	For laboratory resea	arch purposes.Not for drug	or household use.	
1.3	Details of the supplier of the safety data sheet				
1.0	Ambeed, Inc.				
		STE 3205-125. Arline	gton Hts, IL 60004, USA		
	Tel: 630-580-1088	E-mail: sales@aml			
4.4				PUAM	80
1.4	Emergency telephor		20	A DIT	
		USA): 1-352-323-350 Canada): 1-800-535-		<b>V</b>	
	Entergency priorie (	Ganada). 1-000-000-	5055		
2.	HAZARDS IDENT	FIFICATION	apor		
2.1	Classification of the	substance or mixture			
2.1			9 CFR 1910 (OSHA HCS)		
	Flammable solids (0			H228	
	Acute toxicity, oral(C	/		H302	
	Skin corrosion/irritat	<b>•</b> • <i>· ·</i>		H315	
		e/eye irritation(Catego	ory 2A)	H319	
	Specific target organ toxicity, single exposure; Respiratory H335				
	system(Category 3)	00			
	No Resource File		6		
2.2	GHS Label element	s, including precaution	nary statements		
	Pictogra	,	$\wedge \wedge$		
	-				
	Signal word:	C	Danger		
	Hazard statement(s)	)			
	H228		lammable solid		
	H302	н	larmful if swallowed		
	H315	С	auses skin irritation		
	H319	С	auses serious eye irritatior	า	
	H335 May cause respiratory irritation				
	Precautionary stater	ment(s)			
	P210 Keep away from heat/sparks/open flames/hot surfaces. – No			aces. – No	
		S	smoking.		
	P240 Ground/bond container and receiving equipment.				
	P261 Avoid breathing dust/fume/gas/mist/vapours/spray.			Ι.	
	P264 Wash hands thoroughly after handling.				
	P270 Do not eat, drink or smoke when using this product.			et.	
	P271	L	Jse only outdoors or in a we	ell-ventilated area.	
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Product Url: www.ambeed.com/products/996-98-5.html

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P280		Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352		IF ON SKIN: Wash with plenty of soap and water.
P304+P340		IF INHALED: Remove victim to fresh air and keep at rest in a
		position comfortable for breathing.
P305+P351+P338		IF IN EYES: Rinse cautiously with water for several minutes. Remove
	M	contact lenses, if present and easy to do. Continue rinsing.
P312		Call a POISON CENTER or doctor/physician if you feel unwell.
P330		Rinse mouth.
P362		Take off contaminated clothing and wash before reuse.
P370+P378		In case of fire: Use CO2, foam or extinguishing powder for extinction.
P403+P233		Store in a well-ventilated place. Keep container tightly closed.
P501		Dispose of contents/container to in accordance with local regulation

## 2.3 Other hazards

Additional precautionary phrases are located throughout the safety data sheet.

## 3. COMPOSITION, INFORMATION ON INGREDIENTS

3.1Molecular Formula:C2H6N4O2Molecular Weight:118.1

Component		Concentration	
Oxalyl dihydrazide			
CAS Number	996-98-5	-	

## 4. FIRST AID MEASURES

## 4.1 Description of first aid measures

## General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

## If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

## In case of skin contact

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

## In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

## If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

## 4.2 Most important symptoms and effects, both acute and delayed

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The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

## 4.3 Indication of any immediate medical attention and special treatment needed

No data available

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## 5. FIRE FIGHTING MEASURES

## 5.1 Extinguishing media

Suitable extinguishing media: alcohol-resistant foam, dry chemical or carbon dioxide Unsuitable extinguishing media: no data

5.2 Special hazards arising from the substance or mixture In combustion toxic fumes may form.

## 5.3 Advice for firefighters

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## 6. ACCIDENTAL RELEASE MEASURES

## 6.1 Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas.Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.Do not attempt to take action without suitable protective clothing.For personal protection see section 8.

## 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains or river. Alert the neighbourhood to the presence of fumes or gas.

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## 6.3 Methods and materials for containment and cleaning up

Mix with sand or vermiculite. Sweep up and shovel. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

## 6.4 Reference to other sections

For disposal see section 13.

## 7. HANDLING AND STORAGE

## 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Wash hands thoroughly after handling. Ensure there is sufficient ventilation of the area.

Normal measures for preventive fire protection. For precautions see section 2.2.

## 7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated area. Containers which are opened must be carefully resealed and kept upright to prevent leakage.Keep in dark place,Inert atmosphere,Room temperature

## 7.3 Specific end use(s)

The end use(s) have not been fully determined. The substance is supplied for Research and Development purposes by professionals only.

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## 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

## 8.1 Control parameters

## Components with workplace control parameters

Contains no substances with occupational exposure limit values.

## 8.2 Exposure controls

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#### Appropriate engineering controls

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Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## Personal protective equipment

## Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

## Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

## **Body Protection**

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

## Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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## Control of environmental exposure

Do not let product enter drains.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

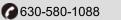
	Appearance	Form: Crystal - Powder / Colour: White - S <mark>lig</mark> htly pale yellow
	Boiling Point	No data available
	Melting Point	V No data available
	Odour	No data available
	Odour Threshold	No data available
	рН	No data available
	Flash point	No data available
	Evapouration rate	No data available
	Vapour pressure	No data available
	Vapor Density	No data available
	Relative density	No data available
	Solubility in water	No data available
	Auto-ignition temperature	No data available
	Decomposition temperature	No data available
	Viscosity No Data	No data available
	Explosive properties	No data available
	Oxidizing properties	No data available
	STABILITY AND REACTIVITY	
.1	Reactivity	all
	No data available	

No data available

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## 10.2 Chemical stability Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions No data available

10.4 Conditions to avoid Not data available

## 10.5 Incompatible materials

Oxidizing agents

## 10.6 Hazardous decomposition products

Carbon monoxide, carbon dioxide, nitrogen oxides

#### TOXICOLOGICAL INFORMATION 11.

## 11.1 Information on toxicological effects

Acute Toxicity	N
Skin corrosion/irritation	Ν
Serious eye Damage/irritation	Ν
Respiratory or skin sensitisation	Ν
Germ Cell mutagenicity	Ν
Carcinogenicity	Ν
Reproductive toxicity	Ν
STOT-single exposure	Ν
STOT-repeated exposure	Ν
Aspiration hazard	Ν

MAMBeed lo data available Vo data available No data available No data available No data available No data available Vo data available Vo data available Vo data available No data available

## 11.2 Additional

To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH

## 12. ECOLOGICAL INFORMATION

- 12.1 Toxicity 🏸 No data available
- 12.2 Persistence and degradability AmBeed No data available
- 12.3 Bioaccumulative potential No data available
- 12.4 Mobility in soil No data available

## 12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects No data available

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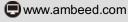
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<b>3</b> 13.	<b>FETY DATA SHEET</b>			
	Waste treatment methods Disposal Operations	lations for proper disposal. Hand over	er to authorised disposal o	company as
14.	TRANSPORT INFORMATION			
14.1	UN number ADR/RID: 1325	IMDG: 1325	IATA: 1325	
14.2	UN proper shipping name ADR/RID: Flammable solid, organic IMDG: Flammable solid, organic, n. IATA: Flammable solid, organic, n.	.0.S.		
14.3	Transport hazard class(es) ADR/RID: 4.1	IMDG: 4.1	IATA: 4.1	
14.4	Packaging group ADR/RID: II	IMDG: II	IATA: II	
14.5	Environmental hazards ADR/RID: -	IMDG: -	IATA: -	
14.6	Special precautions for user No special precautions required	MDG: -		
14.7	Further information No data available			
15.	REGULATORY INFORMATIO	N		
	California Proposition 65 Not listed on California's listing of k U.S. Federal Regulations SARA 313: Not applicable SARA 302: Not applicable	Substances Control Act (TSCA) inver nown or potential carcinogens.	ntory.	
16.	OTHER INFORMATION The reference company name of wr Company: Ambeed, Inc. Tel:630-580-1088 Fax: 630-581 Address: 3205 N WILKE RD, STE 3			
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This SDS was prepared sincerely on the basis of the information we could obtained, however, any warranty shall not be given regarding the data contained and the assessment of hazards and toxicity. Prior to use, please investigate not only the hazards and toxicity information but also the laws and regulations of the organization, area and country where the products are to be used, which shall be given the first priority. products are supposed to be used promptly after purchase in consideration of safety. Some new information or amendments may be added afterwards. If the products are to be used far behind the expected time of use or you have any questions, please feel free to contact us. The stated cautions are for normal handling only. In case of special handling, sufficient care should be taken, in addition to the safety measures suitable for the situation. All chemical products should be treated with the recognition of "having unknown hazards and toxicity", which differ greatly depending on the conditions and handling when in use and/or the conditions and duration of storage. The products must be handled only by those who are familiar with specialized knowledge and have experience or under the guidance of those specialists throughout use from opening to storage and disposal. Safe usage conditions shall be set up on each user's own responsibility.

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Revision Date 11/13/2023 Print Date 05/11/2024

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