

#### CHEMICAL PRODUCT AND COMPANY IDENTIFICATION 1.

1.1	Product identifiers Product Name: CAS Number: Catalog Numbers:	3-Chloropropyl a 628-09-1 A310577	icetate		
1.2	Relevant identified u Identified uses:		nce or mixture and uses advises advises advises advises advises and purposes. Not for dru	-	
1.3	Details of the supplier of the safety data sheet Ambeed, Inc. 3205 N WILKE RD, STE 3205-125, Arlington Hts, IL 60004, USA Tel: 630-580-1088 E-mail: sales@ambeed.com				
1.4	Emergency telephon Emergency phone (L Emergency phone (C	JSA): 1-352-323-3		PUAN	Be
2.	HAZARDS IDENT	IFICATION	Beech		
2.1	Classification of the GHS Classification i Flammable liquids (0 Skin corrosion/irritati Serious eye damage Specific target organ system(Category 3) No Resource File	n accordance with Category 4) ion (Category 2) e/eye irritation(Cate	a 29 CFR 1910 (OSHA HCS tegory 2A ) tposure;Respiratory	H227 H315 H319 H335	
2.2	GHS Label elements Pictogra	s, including precau	itionary statements		
	Signal word:		Warning		
	Hazard statement(s) H227 H315 H319		Combustible liquid Causes skin irritation Causes serious eye irritatio		
	H335		May cause respiratory irrita	ation	
	Precautionary staten P210	nent(s)	Keep away from heat/spar smoking.	ks/open flames/hot su	rfaces. – No
	P261 P264	Avoid breathing dust/fume/gas/mist/vapours/spray.			ay.
	P271Use only outdoors or in a well-ventilated area.P280Wear protective gloves/protective clothing/eye protection/face			otection/face	
	P302+P352		protection. IF ON SKIN: Wash with ple	enty of soap and water.	
	<b>,</b> ð				-6

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P304+P340+P312		IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
P305+P351+P338		IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
D000 - D010		
P332+P313		If skin irritation occurs: Get medical advice/attention.
P337+P313	Nor-	If eye irritation persists: Get medical advice/attention.
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.
P403+P235		Store in a well-ventilated place. Keep cool.
P405		Store locked up.
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

3.1 Molecular Formula: Molecular Weight: C5H9ClO2 136.5768

Component		Concentration
3-Chloropropyl acetate		
CAS Number	628-09-1	-

#### 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.Sealed in dry,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.

#### 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

#### 8.1 Control parameters

### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

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#### 8.2 Exposure controls

#### 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.

#### PHYSICAL AND CHEMICAL PROPERTIES 9.

0.						
	Appearance	Form: liquid Colour: colourless				
	Boiling Point	No data available				
	Melting Point	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				
10.	STABILITY AND REACTIVITY					
10.1	Reactivity	200				
	No data available	mbe				

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 Heat, flames and sparks

#### 10.5 Incompatible materials

Strong bases

#### 10.6 Hazardous decomposition products

Carbon monoxide, carbon dioxide, hydrogen chloride

#### TOXICOLOGICAL INFORMATION 11.

#### 11.1 Information on toxicological effects

Acute Toxicity	No da
Skin corrosion/irritation	No da
Serious eye Damage/irritation	No da
Respiratory or skin sensitisation	No da
Germ Cell mutagenicity	No da
Carcinogenicity	No da
Reproductive toxicity	No da
STOT-single exposure	No da
STOT-repeated exposure	No da
Aspiration hazard	No da

MAMBeed lata available lata available lata available lata available lata available lata available ata available ata available lata 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

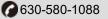
- 12.1 Toxicity 🏸 No data available
- 12.2 Persistence and degradability No data available AmBeed
- 12.3 Bioaccumulative potential No data available
- 12.4 Mobility in soil No data available

### 12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects No data available

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#### DISPOSAL CONSIDERATIONS 13.

## 13.1 Waste treatment methods

### **Disposal Operations**

Consult state, local or national regulations for proper disposal. Hand over to authorised disposal company as hazardous waste.

### **Disposal of Packaging**

Disposal must be made according to official regulations.

## 14. TRANSPORT INFORMATION

## 1/1 1 LIN number

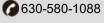
14.1	UN number ADR/RID: -		IMDG: -		IATA: -	
14.2	UN proper shipping r ADR/RID: Not dange IMDG: Not dangerous IATA: Not dangerous	rous goods s goods	PLAME	eed		
14.3	Transport hazard clas ADR/RID: -		IMDG: -		IATA: -	
14.4	Packaging group ADR/RID: -	I	IMDG: -		IATA: -	
14.5	Environmental hazar ADR/RID: -		IMDG: -		IATA: -	
14.6	Special precautions f	for user ns requir <mark>ed services and s</mark>	IMDG: -			
14.7	Further information					
15.	REGULATORY IN	FORMATION				
	Safety, health and em Product is not subject California Proposition Not listed on Californi U.S. Federal Regulat SARA 313: Not appli SARA 302: Not appli SARA 311/312 Haza Safety Assessment No Chemical Safety A	t to any additiona n 65 ia's listing of kno ions cable cable rd Categories: S	al regulations or provi	nogens.		
16.	OTHER INFORMATING The reference compared		en contents			
	Company: Ambeed, I	-	e sontonto			
		Fax: 630-581-0	788 E-mail:sales@	ambeed.com		
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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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