

Material Safety

Data Sheet



潍坊德高新材料有限公司

WEIFANG DEKEL INNOVATIVE MATERIALS CO.,LTD

Version: English

Validity Period: 3 Years

Product Name:
Cyanoacrylate Adhesive

First Revision Date: 2022-01-01

1. Identification of the product and company			
Product Name	Cyanoacrylate Adhesive		
Company Name	Weifang Dekel Innovative Materials Co., Ltd.		
Address	No.001001, Xiangjiang West First Street, Binhai Economic Development Area, Weifang City, Shandong Province, P.R.China		
Fax	86 0536 2205123	PC	261108
Emergency Telephone	86 0536 2099098	MSDS No.	DEKEL-MSDS-01
Recommended Use and Restricted		Manufacturing instant adhesive	
2.Hazards identification			
Hazard Class	Liquid and Irritating to eyes, respiratory system and skin		
GHS	No data referring to GHS standard		
Routes of Entry	Inhalation, Ingestion, Skin Contact		
Health Effects	Irritating to eyes, respiratory system and skin. Combustion products contains oxynitride and irritating organic gases.		

Environmental Hazards	No data
Explosion Hazard	No data

3.Composition/information on ingredients

Composition	Pure	Chemical Name	Cyanoacrylate Adhesive
Concentration	100%	CAS No.	7085-85-0

4.First-aid measures

Skin Contact	<p>Do not pull bonded skin apart. It may be gently peeled apart using a blunt object such as a spoon, preferably after soaking in warm soapy water.</p> <p>Cyanoacrylates give off heat on solidification. In rare cases a large drop will generate enough heat to cause a burn.</p> <p>Burns should be treated normally after the adhesive has been removed from the skin.</p> <p>If lips are accidentally stuck together apply warm water to the lips and encourage maximum wetting and pressure from saliva inside the mouth.</p> <p>Peel or roll lips apart. Do not try to pull the lips apart with direct opposing action.</p>
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Inhalation	Move to fresh air, consult doctor if complaint persists.
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<p>Ingestion</p>	<p>Ensure that breathing passages are not obstructed. The product will polymerise immediately in the mouth making it almost impossible to swallow. Saliva will slowly separate the solidified product from the mouth (several hours).</p>
<p>5.Fire-fighting measures</p>	
<p>Hazardous Combustion Products</p>	<p>Oxides of carbon, oxides of nitrogen, irritating organic vapors.</p>
<p>Suitable Extinguishing Media</p>	<p>Foam, extinguishing powder, carbon dioxide. Fine water spray.</p>
<p>Special protection equipment for firefighters</p>	<p>Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA).</p>
<p>6.Accidental release measures</p>	
<p>Personal Precaution</p>	<p>Ensure adequate ventilation.</p>
<p>Environmental Precautions</p>	<p>Do not let product enter drains.</p>
<p>Clean-up Methods</p>	<p>Do not use cloths for mopping up. Flood with water to complete polymerization and scrape off the floor. Cured material can be disposed of as non-hazardous waste.</p>
<p>7.Handling and storage</p>	
<p>Handling</p>	<p>Ventilation (low level) is recommended when using large volumes. Use of dispensing equipment is recommended to minimise</p>
	<p>the risk of skin or eye contact.</p>



Storage	<p>Ensure good ventilation/extraction.</p> <p>Store in original containers at 8-21C (46.4-69.8F) and do not return residual materials to containers as contamination may reduce the shelf life of the bulk product.</p>
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8.Exposure controls/personal protection

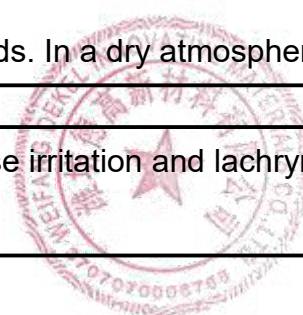
Components with specific control parameters for workplace TWA(mg/m³)	0.2 ppm		
Respiratory Protection	Eusure adequate ventilation	Eye Protection	Wear protective glasses
Body Protection	No data		
Hand Protection	<p>In circumstances where there is a potential for prolonged or repeated skin contact, the use of polyvinyl chloride or nitrile rubber gauntlets or equivalent solvent resistant gloves is recommended.</p> <p>The use of chemical resistant gloves such as Nitrile are recommended.</p>		
General protection and hygiene measures	Good industrial hygiene practices should be observed.		

9.Physical and chemical properties

Appearance	Colorless and irritating liquid
pH	6.5~7
Boiling Point	> 148°C (> 298.4°F)
Flash Point	> 80°C (> 176°F)
Vapor Pressure	< 0.6mbar(25°C (77°F))



Density	1.1g/cm ³ (20°C (68°F))
Solubility (qualitative)	Polymerises in presence of water.
10.Stability and reactivity	
Conditions to avoid	Stable under normal conditions of storage and use. Keep away from heat. Avoid collision and friction. Prevent direct sunlight.
Materials to avoid	Rapid exothermic polymerization will occur in the presence of water, amines, alkalis and alcohols.
11.Toxicological information	
Oral Toxicity	Cyanoacrylates are considered to have relatively low toxicity. Acute oral LD50 is >5000mg/kg (rat). It is almost impossible to swallow as it rapidly polymerises in the mouth.
Inhalative Toxicity	Irritating to respiratory system. Prolonged exposure to high concentrations of vapours may lead to chronic effects in sensitive individuals. In dry atmosphere with < 50% humidity, vapours may irritate the eyes and respiratory system.
Skin Irritation	Irritating to the skin. Bonds skin in seconds. Considered to be of low toxicity: acute dermal LD50 (rabbit)>2000mg/kg. Due to polymerisation at the skin surface allergic reaction is unlikely to occur.
Eye irritation	Irritating to eyes. Liquid product will bond eyelids. In a dry atmosphere
	(RH<50%) vapours may cause irritation and lachrymatory effect.



12. Ecological information			
General Ecological Information	Biological and Chemical Oxygen Demands (BOD and COD) are insignificant. Do not empty into drains / surface water / ground water.		
13. Disposal information			
Product	Disposal methods: Cured adhesive: Dispose of as water insoluble non-toxic solid chemical in authorised land fill or incinerate under controlled conditions. Dispose of in accordance with local and national regulations. Contribution of this product to waste is very insignificant in comparison to article in which it is used. Waste: Waste adhesives and sealants containing organic solvents and other dangerous substances.		
Packaging	Disposal methods: After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorised legal land fill site or incinerated. Disposal must be made according to official regulations.		
14. Transport information			
Dangerous Goods No.	No data	Packaging Group	No data
Caution during Transportation	Avoid contact with sunlight, high temperature, water and shaking.		
Summary	Not classified as dangerous for transport. The cargo is not subject to IMO/IMDG CODE IMO information is not regulated		



15.Regulatory information	
China Chemical Regulations	No data
16.Other information	
Latest Revision Date	2022-01-01
Tabulation Department	SHE of Weifang Dekel Innovative Materials Co., Ltd.
Review	Weifang Dekel Innovative Materials Co., Ltd.
Revision Description	Amended once every five years or when the introduction of the new national laws and regulations. Due to no GHS standard in China, this MSDS is made referring to GB/T16483-2008. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.

