



F-Bond Rotary THICK

0 11 4 11

Section 1 Identification					
Product identifier		HMIS			
	ames: F-Bond Rotary THICK	H 1			
	ed uses of the substance or mixture and uses advised against	F 2			
	uses: Cyanoacrylate adhesive	R 1			
	plier of the safety data sheet	<u> </u>			
	Janufacturing and Supply Company				
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	0) 934-1902				
FAX (440) 9					
Emergency teleph					
	C 24 hour: (800) 424-9300				
CILMINE	C 24 Hour. (000) 424-9300				
	Section 2 Hazards Identification				
GHS Classification	n in accordance with 29 CFR 1910.1200 (OSHA HCS)				
	e Liquid, Category 4				
	Eye Irritation, Category 2A				
-	Skin Irritation, Category 2				
	rget Organ Toxicity, Single Exposure, Category 3 (Respiratory)				
I					
GHS Label elemen	nts, including precautionary statements				
Signal word	Warning				
Hazard statement	ts				
Combustible liquid					
Causes serious eye irritation.					
Causes skin					
-	respiratory irritation.				
Precautionary sta					
	athing dust/fume/gas/mist/vapors/spray				
	utdoors or in a well-ventilated area.				
	ective gloves / eye protection / face protection.				
Wash thoroughly after handling.					
IF ON SKIN	IF ON SKIN: Wash with plenty of water.				
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present					
	and easy to do. Continue rinsing.				
5	If eye irritation persists: Get medical advice/attention.				
-	f contents/container to local, regional, national, and international regulatio	ns.			
Hazards not otherwise classified (HNOC) or not covered by GHS					
Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.					



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E	Hazardous Components Ethyl-2-cyanoacrylate	CAS Number	Percent (%)			
E						
	· · ·	7085-85-0	80-100			
	Section 4 First	Aid Measures				
General:	If you feel unwell, seek medical attention.					
Inhalation:	: Overexposure may be irritating to the respiratory system. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel					
	unwell, seek medical attention.	a posicion connorcabi	ie ioi breathing. If y	Ju leel		
Skin Contact:	cact: Do not pull bonded skin apart. Gently wash with plenty of soap and water. If skin					
onin contacti	irritation or rash occurs: Get medical attention. Do not remove clothing if it sticks to					
	Contact through clothing (cotton) can		0			
	reaction and burning. Removal of clot	-	-			
	and soak affected area. Wear a plastic	apron for added pro	tection. If lips are ac	cidentally		
	bonded, apply warm soapy water and			apart! Burn		
	Should be treated normally after cyan	-				
Eye Contact:	Immediately flush with warm water f					
	Cyanoacrylate will bond to eye protei					
Ingostion.	adhesive. Keep eye covered until debe	0 1				
Ingestion:	Ingestion is not likely. Material will ra Ensure breathing passages are not ob		-	igestion.		
	Ensure breathing passages are not ob	Sti ucteu anu seek me				
	Section 5 Fire-Fi	ghting Measures				
Suitable ovtin	guishing media					
	l-resistant foams, dry powder, carbon	dioxide water sprav	or fog			
	tinguishing media	aloxide, water spray	01 105			
	spray jet					
	mbustion products					
	amounts of toxic fumes may be release	d on combustion. Haz	ardous fumes of car	·bon		
dioxide	e, carbon monoxide, and nitrogen oxide	es.				
Firefighting I	nstructions					
	ghters should wear positive pressure s	elf-contained breathi	ng apparatus (SCBA) and		
suitabl	e protective clothing.					
	Section 6 Accidenta	l Release Measures				
Emergency Pi	rocedures					
•••	te area immediately. Ensure adequate	ventilation. Avoid co	ntact with skin, eyes	s, and		
clothin	clothing. Avoid breathing vapors. Handle in accordance with good industrial hygiene and safety					
practic						
Environment		-				
	release to the environment. Prevent en	try to sewers and pu	blic waters.			
Clean-up Met						
Clear up spills immediately and dispose of waste safely. Flood with water to complete polymerization and scrape off the floor. Cured material can be disposed of as non-hazardous						
	prization and carona off the floor Correct	d motorial can be dire	hand of as non here.	ndoug		
	erization and scrape off the floor. Cure	d material can be disp	bosed of as non-haza	ardous		



Section 7 Handling and Storage

Precautions for safe handling

Avoid breathing vapors. Use only outdoors or in a well ventilated area. Use personal protective equipment as required. Use of dispensing equipment is recommended to minimize the risk of skin or eye contact. Wash hands and other exposed areas after use.

Conditions for safe storage, including any incompatibilities

Comply with applicable local, state, and federal regulations. Keep away from direct sunlight. Keep container tightly closed when not in use. Store in a cool, dry place. Refrigerated storage is recommended for optimum shelf life.

Section 8 Exposure Controls/Personal Protection

Control parameters

Components with workplace control parameters

	CAS	Value	Control parameter /	
Component	Number	type	Permissible concentration	Basis
Ethyl-2-cyanoacrylate	7085-85-0	TWA	0.2 ppm	ACGIH
		STEL	1 ppm	ACGIH

Exposure controls

Appropriate engineering controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below the recommended exposure limits. Do not use this product in an enclosed or poorly ventilated area. If ventilation alone cannot control exposure, respiratory protection should be used.

Personal protective equipment

Eye/face protection

Wear protective googles or face shield.

Skin protection

Hand Protection

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Material of gloves: neoprene, nitrile rubber, butyl-rubber

Body Protection

Prevent skin contact when handling material.

Respiratory Protection

The need for respiratory protection is not anticipated under normal use conditions and with adequate ventilation. If elevated airborne concentrations above applicable workplace exposure levels are anticipated, a NIOSH-approved organic vapor respirator equipped with a dust/mist prefilter should be used.

Safety Stations

Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

General Hygienic Practices

Avoid breathing vapor or mist. Avoid contamination of food, beverages, or smoking materials. Wash thoroughly after handling, and before eating, drinking or smoking. Remove contaminated clothing promptly and clean thoroughly before reuse.



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Section	9 Physical and Chemical Properties						
Annoonanao	Colorloss liquid						
Appearance Odor	Colorless liquid Characteristic, irritating, sharp						
Odor threshold	No data available						
pH	No data available						
Melting point	-31 °C (-23.8 °F)						
Boiling point	214 °C (417 °F)						
Flash Point	82.5 °C (180.5 °F)						
Evaporation rate	No data available						
Upper/lower flammability	No data available						
Vapor pressure	< 0.5 mmHg (@ 23.8 °C) (75 °F)						
Vapor density	No data available						
Specific gravity	1.043 g/cm ³ (8.67 lb/gal)						
Water Solubility	Polymerizes in the presence of water.						
Coefficient: n-octanol/ wate							
Auto-ignition temperature	480 °C (896 °F)						
Viscosity	No data available						
Volatile Organic Compound	s < 2% / < 20 g/l (California SCAQMD Method 316B)						
Se	Section 10 Stability and Reactivity						
Stability:	Stable under normal conditions.						
Reactivity:	No dangerous reactions known under normal conditions.						
Hazardous Reactions:	Rapid polymerization will occur in the presence of moisture or						
	other basic materials.						
Hazardous Decomposition:	Toxic fumes. Carbon monoxide, carbon dioxide, nitrogen oxides.						
Incompatible Materials:	Amines, water, alkalis, oxidizing agents, and alcohols.						
Conditions to Avoid:	Direct sunlight, moisture, humidity, and basic materials.						
Sect	ion 11 Toxicological Information						
Acute dermal toxicity (Ethy Acute toxicity: In dry atmosp respiratory system. Prolonged effects in sensitive individuals Skin: Causes skin irritation. Eye: Vapors irritating to eyes. Respiratory: Vapors irritatin	Acute oral toxicity (Ethyl-2-cyanoacrylate): >5000 mg/kg LD50 (Rat) Acute dermal toxicity (Ethyl-2-cyanoacrylate): >2000 mg/kg LD50 (Rabbit) Acute toxicity: In dry atmosphere with < 50% humidity, vapors may irritate the eyes and respiratory system. Prolonged exposure to high concentrations of vapors may lead to chronic effects in sensitive individuals. Skin: Causes skin irritation. Eye: Vapors irritating to eyes. Vapors may cause lachrymatory effect. Respiratory: Vapors irritating to respiratory system. Germ Cell Mutagenicity: Not classified as a germ cell mutagen.						
Se	Section 12 Ecological Information						
Toxicity Persistence and degradabili Bioaccumulative potential Mobility in soil	Low potential for bioaccumulation Not applicable. Test compounds will polymerize when in contact with moisture in soil.						
Results of PBT & vPvB asses	Results of PBT & vPvB assessment No data available						



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Section 13 Disposal Considerations Dispose of waste in accordance with local and national regulations. Do not discharge in to drains or the environment. Cured adhesive can be disposed of as non-hazardous waste in an authorized landfill or incinerated under controlled conditions. Uncleaned Packages – After use, tubes, cartons, and bottles containing unused product should be disposed of as chemically contaminated waste in an authorized legal land fill site or incinerated. **Section 14 Transport Information** DOT ID Number: NA 1993 **Proper Shipping Name:** Combustible liquid, n.o.s. (Cyanoacrylate esters) Hazard Class: Combustible liquid Packing Group: III **Exceptions:** Non-bulk packaging containing less than 450 L is unregulated for domestic ground transport and may be shipped without restriction. [49 CFR 173.150(f)] **IMDG ID Number:** Not regulated Proper Shipping Name: Not regulated Hazard Class: Not regulated Packing Group: Not regulated Environmental Hazards: No IATA UN Number: UN 3334 **Proper Shipping Name:** Aviation regulated liquid, n.o.s. (Cyanoacrylate esters) Hazard Class: 9 Packing Group: III **Exceptions:** Inner packaging containing less than 500mL do not exhibit the properties of aviation regulated liquids and may be shipped without restriction. **Section 15 Regulatory Information US Federal Regulations** SARA 311/312 Hazards: See Section 2 Hazard Statements SARA 313 Toxic Chemical: None listed **US State Regulations** Listed on: the New Jersey - Right to Know Hazardous Substance List. This product contains no ingredient under Proposition 65 that is classified as a significant risk. **Inventories** TSCA: All ingredients listed as active on the TSCA inventory



Section 16 Other Information

Disclaimer

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