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	1. Product and Company Ider	ntification
Product Name:	JP-E78B, 3078EB	
Trade Name:	JP-E78B	
Company Name:	Hitachi Industrial Equipment & Solutions America, LLC 2730 Greenleaf Avenue Elk Grove Village, IL 60007	Phone Number: (866)583-0048
Web site address:	https://www.hitachi-iesa.com/industrial-mark oding	king-and-c
Emergency Contact:	Chemtrec	(800)424-9300
Information: Intended Use:	Christian Krzykwa Printing ink	(980)500-7144

2. Hazards Identification

Flammable Liquids, Category 2 Serious Eye Damage/Eye Irritation, Category 2 Germ Cell Mutagenicity, Category 1B Toxic To Reproduction, Category 1B Specific Target Organ Toxicity (single exposure), Category 3 Specific Target Organ Toxicity (repeated exposure), Category 1 Specific Target Organ Toxicity (repeated exposure), Category 2



GHS Signal Word:DangerGHS Hazard Phrases:H225 - Highly flammable liquid and vapor. H319 - Causes serious eye irritation. H302 - Harmful if swallowed. H332 - Harmful if swallowed. H332 - Harmful if inhaled. H315 - Causes skin irritation. H370 - Causes damage to organs kidneys. Causes respiratory irritation. H372 - Causes damage to organs through prolonged or repeated exposure.GHS Precautionary Phrases:P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P210 - Keep away from heat/sparks/open flames/hot surfaces No smoking. P233 - Keep container tightly closed. P241 - Use explosion-proof electrical/ventilating/lighting// equipment. P240 - Ground/bond container and receiving equipment. P242 - Use only non-sparking tools.P243 - Take precautionary measures against static discharge. P260 - Do not breathe dust/fume/gas/mist/vapors/spray. P264 - Wash hands thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P271 - Use only outdoors or in a well-ventilated area. P280 - Wear protective gloves/protective clothing/eye protection/face protection.GHS Response Phrases:P370+378 - In case of fire, use dry chemical, water spray or foam to extinguish.		\checkmark
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D202+252 IF ON SKIN: Week with plenty of eeen and water	GHS Response Phrases:	P370+378 - In case of fire, use dry chemical, water spray or foam to extinguish.
F302+352 - IF ON SKIN. Wash with plenty of soap and water.		P302+352 - IF ON SKIN: Wash with plenty of soap and water.
P362 - Take off contaminated clothing and wash before re-use.		P362 - Take off contaminated clothing and wash before re-use.

HITACHI	SAFETY DATA SHEET	Page: 2
Inspire the Next	JP-E78B, 3078EB	
moprie the flext	Revision: 01/2	
	Supersedes Revision: 02/0	
	P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.	ı
	P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Re	emove
	contact lenses, if present and easy to do. Continue rinsing.	
	P308+313 - IF exposed or concerned: Get medical attention/advice.	
	P314 - Get medical attention/advice if you feel unwell.	
	P337+313 - If eye irritation persists, get medical advice/attention.	
	P332+313 - If skin irritation occurs, get medical advice/attention. P301+310 - IF	
	SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P331 - NOT induce vomiting.	Do
GHS Storage and Disposal	P403+235 - Store in cool & well-ventilated place.	
Phrases:	P405 - Store locked up.	
	P501 - Dispose of contents/container in accordance with local regulations.	
Emergency Overview:		
Potential Health Effects (Acute and Chronic):	Hazards not otherwise classified (HNOC) or not covered by GHS -none. Hazards otherwise classified (HNOC) or not covered by GHS.	not

	3.	Composition/Info	ormation on Ingredients	
CAS #		oonents (Chemical Name)	Concentration	
64-17-5	Ethyl alcohol		40.0 -70.0 %	
57-55-6	Propylene glycol		10.0 -20.0 %	
67-64-1	Acetone		0.0 -10.0 %	
1336-21-6	Ammonium hydrox	kide	0.0 -5.0 %	
		4. First A	id Measures	
Emergency a Procedures:	and First Aid	Consult a physician. Show dangerous area.	this safety data sheet to the doctor in attendance. Move out of	
In Case of In	ihalation:	If breathed in, move perso Consult a physician.	on into fresh air. If not breathing, give artificial respiration.	
In Case of S	kin Contact:	Wash off with soap and plenty of water. Consult a physician. Take off contaminated clothing and shoes immediately.		
In Case of E	ye Contact:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.		
In Case of In	gestion:	Never give anything by mouth to an unconscious person. Consult a physician.		
Signs and S Exposure:	ymptoms Of	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11 The most important known symptoms and effects are described in the labelling (see section 2 .2) and/or in section 11		
	f any immediate ntion and specia eeded:	No data available. I		



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Explosive Limits: LEL: No data. UEL: No data. Autoignition Pt: No data. Suitable Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam. Fire Fighting Instructions: Wear self contained breathing apparatus for fire fighting if necessary. Further information. No data available. Flammable Properties and Hazards: No data available. Carbon oxides. Hazardous Combustion Products: No data available. Protective Precautions, Protective Equipment and Emergency Procedures: O. Acccidental Release Measures Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensur adequate ventilation. Remove all sources of ignition. Beware of vapours accum form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8. Evacuate personnel to safe areas. Environmental Precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drai Discharge into the environment must be avoided. Methods and materials for co and cleaning up: Soak up with inert absorbent material and dispose of as hazar waste. Keep in suitable, closed containers for disposal. Steps To Be Taken In Case Material Is Released Or Spilled: Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away t sources of ignition - No smoking. Take measures to prevent the build up of elec charge. For precautions see section 2. Use explosion-proof equipment. Precautions To Be Taken in Storing: Keep container tightly closed in a cool,		Supersedes Revision: 02/08/2019		
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Hazards: No data available. Products: 6. Accidental Release Measures Protective Precautions, Protective Equipment and Emergency Procedures: Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensur adequate ventilation. Remove all sources of ignition. Beware of vapours accum form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8. Evacuate personnel to safe areas. Environmental Precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drai Discharge into the environment must be avoided. Methods and materials for co and cleaning up: Soak up with inert absorbent material and dispose of as hazar waste. Keep in suitable, closed containers for disposal. Steps To Be Taken In Case Material Is Released Or Spilled: Contain spillage, and then collect with an electrically protected vacuum cleaner wet-brushing and place in container for disposal. Precautions To Be Taken in Handling: Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away i sources of ignition - No smoking. Take measures to prevent the build up of elec charge. For precautions see section 2. Use explosion-proof equipment. Precautions To Be Taken in Storing: Keep container tightly closed in a cool, dry, and well-ventilated place. Container are opened must be carefully resealed and kept upright to prevent leakage. Recommended storage temperature: 2 - 8 - 8 deg.C. Storage class 510) Hygroscopic.	Fire Fighting Instructions:			
Products: 6. Accidental Release Measures Protective Precautions, Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapours accum form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8. Evacuate personnel to safe areas. Environmental Precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drait Discharge into the environment must be avoided. Methods and materials for co and cleaning up: Soak up with inert absorbent material and dispose of as hazar waste. Keep in suitable, closed containers for disposal. Steps To Be Taken In Case Material Is Released Or Spilled: Contain spillage, and then collect with an electrically protected vacuum cleaner wet-brushing and place in container for disposal according to local regulations (section 13). Soak up with inert absorbent material and dispose of as hazardous Keep in suitable, closed containers for disposal. Precautions To Be Taken in Handling: Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away to sources of ignition - No smoking. Take measures to prevent the build up of electrary or precautions see section 2. Use explosion-proof equipment. Precautions To Be Taken in Storing: Keep container tightly closed in a cool, dry, and well-ventilated place. Container are opened must be carefully resealed and kept upright to prevent leakage. Recommended storage temperature: 2 -8 - 8 deg.C. Storage class 510) Hygroscopic.	-	No data available. Carbon oxides.		
Protective Precautions, Protective Equipment and Emergency Procedures:Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensur- adequate ventilation. Remove all sources of ignition. Beware of vapours accum form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8. Evacuate personnel to safe areas.Environmental Precautions:Prevent further leakage or spillage if safe to do so. Do not let product enter drai Discharge into the environment must be avoided. Methods and materials for co and cleaning up: Soak up with inert absorbent material and dispose of as hazar waste. Keep in suitable, closed containers for disposal.Steps To Be Taken In Case Material Is Released Or Spilled:Contain spillage, and then collect with an electrically protected vacuum cleaner wet-brushing and place in container for disposal according to local regulations (section 13). Soak up with inert absorbent material and dispose of as hazardous Keep in suitable, closed containers for disposal.Precautions To Be Taken in Handling:Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away t sources of ignition - No smoking. Take measures to prevent the build up of elec charge. For precautions see section 2. Use explosion-proof equipment.Precautions To Be Taken in Storing:Keep container tightly closed in a cool, dry, and well-ventilated place. Container are opened must be carefully resealed and kept upright to prevent leakage. Recommended storage temperature: 2 -8 - 8 deg.C. Storage class 510) Hygroscopic.		No data available.		
Protective Equipment and adequate ventilation. Remove all sources of ignition. Beware of vapours accum Emergency Procedures: form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8. Evacuate personnel to safe areas. Environmental Precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drai Discharge into the environment must be avoided. Methods and materials for co and cleaning up: Soak up with inert absorbent material and dispose of as hazar waste. Keep in suitable, closed containers for disposal. Steps To Be Taken In Case Contain spillage, and then collect with an electrically protected vacuum cleaner wet-brushing and place in container for disposal according to local regulations (section 13). Soak up with inert absorbent material and dispose of as hazardous Keep in suitable, closed containers for disposal. Precautions To Be Taken in Handling: Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away to sources of ignition - No smoking. Take measures to prevent the build up of elect charge. For precautions see section 2. Use explosion-proof equipment. Reep container tightly closed in a cool, dry, and well-ventilated place. Container are opened must be carefully resealed and kept upright to prevent leakage. Recommended storage temperature: 2 -8 - 8 deg.C. Storage class 510) Hygroscopic.		6. Accidental Release Measures		
Environmental Precautions:Prevent further leakage or spillage if safe to do so. Do not let product enter drai Discharge into the environment must be avoided. Methods and materials for co and cleaning up: Soak up with inert absorbent material and dispose of as hazar waste. Keep in suitable, closed containers for disposal.Steps To Be Taken In Case Material Is Released Or Spilled:Contain spillage, and then collect with an electrically protected vacuum cleaner wet-brushing and place in container for disposal according to local regulations (section 13). Soak up with inert absorbent material and dispose of as hazardous Keep in suitable, closed containers for disposal.Precautions To Be Taken in Handling:Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away to sources of ignition - No smoking. Take measures to prevent the build up of elect charge. For precautions see section 2. Use explosion-proof equipment.Precautions To Be Taken in Storing:Keep container tightly closed in a cool, dry, and well-ventilated place. Container are opened must be carefully resealed and kept upright to prevent leakage. Recommended storage temperature: 2 -8 - 8 deg.C. Storage class 510) Hygroscopic.	Protective Equipment and			
Material Is Released Or Spilled:wet-brushing and place in container for disposal according to local regulations (section 13). Soak up with inert absorbent material and dispose of as hazardous Keep in suitable, closed containers for disposal.7. Handling and StoragePrecautions To Be Taken in Handling:Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away f sources of ignition - No smoking. Take measures to prevent the build up of elect charge. For precautions see section 2. Use explosion-proof equipment.Precautions To Be Taken in Storing:Keep container tightly closed in a cool, dry, and well-ventilated place. Container are opened must be carefully resealed and kept upright to prevent leakage. Recommended storage temperature: 2 -8 - 8 deg.C. Storage class 510) Hygroscopic.	Environmental Precautions:	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided. Methods and materials for containmer and cleaning up: Soak up with inert absorbent material and dispose of as hazardous		
Precautions To Be Taken in Handling:Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away to sources of ignition - No smoking. Take measures to prevent the build up of elect charge. For precautions see section 2. Use explosion-proof equipment.Precautions To Be Taken in Storing:Keep container tightly closed in a cool, dry, and well-ventilated place. Container are opened must be carefully resealed and kept upright to prevent leakage. Recommended storage temperature: 2 -8 - 8 deg.C. Storage class 510) Hygroscopic.	Material Is Released Or	Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.		
Handling:sources of ignition - No smoking. Take measures to prevent the build up of elect charge. For precautions see section 2. Use explosion-proof equipment.Precautions To Be Taken in Storing:Keep container tightly closed in a cool, dry, and well-ventilated place. Container are opened must be carefully resealed and kept upright to prevent leakage. Recommended storage temperature: 2 -8 - 8 deg.C. Storage class 510) Hygroscopic.		7. Handling and Storage		
Storing:are opened must be carefully resealed and kept upright to prevent leakage. Recommended storage temperature: 2 -8 - 8 deg.C. Storage class 510) Hygroscopic.		Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. For precautions see section 2. Use explosion-proof equipment.		
		Recommended storage temperature: 2 -8 - 8 deg.C.		
	Other Precautions:	Apart from the uses mentioned in section 1 no other specific uses are stipulated.		

8. Exposure Controls/Personal Protection				
CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
64-17-5	Ethyl alcohol	PEL: 1000 ppm	TLV: 1000 ppm STEL: 1000 ppm	No data.
57-55-6	Propylene glycol	No data.	No data.	No data.
67-64-1	Acetone	PEL: 1000 ppm	TLV: 250 ppm STEL: 500 ppm	No data.
1336-21-6	Ammonium hydroxide	No data.	No data.	No data.



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Personal Protective Equipment Symbols:		
Respiratory Equipment (Specify Type):	Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi- purpose combination (US) or type ABEK (EN 14387) 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).	
Eye Protection:	Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Tightly fitting safety goggles. Faceshield (8-inch minimum).	
Protective Gloves:	 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. Full contact. Material: Nitrile rubber Minimum layer thickness: 0.11 mm. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario. Material: butyl-rubber Minimum layer thickness: 0.3 mm Break through time: 480 min. 	
Other Protective Clothing:	The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Complete suit protecting against chemicals.	
Engineering Controls (Ventilation etc.):	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.	
Work/Hygienic/Maintenance Practices:	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.	
Environmental Exposure Controls:	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.	
	9. Physical and Chemical Properties	
Physical States:	[]Gas [X]Liquid []Solid	
Appearance and Odor:	Red	
	alcohol-like.	
pH:		
Melting Point:	NA -94.00 - 137.00 C (278.6 F)	
Boiling Point: Flash Pt:	~ 85.00 C (185.0 F) - 150.00 C (302.0 F) > 16.50 C (61.7 F) Method Used: TAG Closed Cup	
	No data.	
Evaporation Rate:	No data available.	
Flammability (solid, gas): Explosive Limits:	LEL: No data. UEL: No data.	
Vapor Pressure (vs. Air or mm Hg):	No data.	
Vapor Density (vs. Air = 1):	No data.	
Specific Gravity (Water = 1):	0.91	
Solubility in Water:	No data.	



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Saturated Vapor Concentration:	No data.
Octanol/Water Partition Coefficient:	No data.
Autoignition Pt:	No data.
Decomposition	No data.
Temperature:	
Viscosity:	No data.
Explosive Properties:	No data available.
Oxidizing Properties:	No data available.
Information with regard to primary physical hazard:	

	10. Stability and Reactivity		
Reactivity:	No data available.		
Stability:	Unstable [] Stable [X]		
Conditions To Avoid - Instability:	Heat, flames and sparks. No data available. Extremes of temperature and direct sunlight.		
Incompatibility - Materials To Avoid:	Acid chlorides, Acid anhydrides, Chloroformates, Reducing agents, Strong oxidizing agents, Strong reducing agents, Bases, Copper, Iron. Zinc.		
Hazardous Decomposition or Byproducts:	No data available. In the event of fire: see section 5. Other decomposition products:		
Possibility of Hazardous Reactions:	Will occur [] Will not occur [X]		
Conditions To Avoid - Hazardous Reactions:	No data available. Vapors may form explosive mixture with air.		
	11. Toxicological Information		
Toxicological Information:	Acute toxicity. No data available. Inhalation: Dermal. Germ cell mutagenicity: Aspiration hazard: Kidney, Ureter, Bladder:Changes in both tubules and glomeruli. Blood:Changes in spleen. Behavioral: Muscle contraction or spasticity. (Ammonium hydroxide) Specific target organ toxicity - single exposure: Specific target organ toxicity - repeated exposure:		
Irritation or Corrosion:	No data available. Skin: Human. Result: Tumorigenic:Tumors at site or application. Eyes: Provide adequate ventilation.		
Sensitization:	No data available. Guinea pig 88%, 4 Result: Tumorigenic:Tumors at site or application.		
Chronic Toxicological Effects:	Specific target organ toxicity -single exposure (Globally Harmonized System) No data available. May cause drowsiness or dizziness. Specific target organ toxicity - repeated exposure:		
Carcinogenicity/Other Information:	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. ACGIH: No component of		



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this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

	or potential carcinogen by ACGIH.				
CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
64-17-5	Ethyl alcohol	n.a.	1	Unknown	n.a.
57-55-6	Propylene glycol	n.a.	n.a.	n.a.	n.a.
67-64-1	Acetone	n.a.	n.a.	Unknown	n.a.
1336-21-6	Ammonium hydroxide	n.a.	n.a.	n.a.	n.a.

12. Ecological Information

General Ecological Information:	No data available.	
Results of PBT and vPvB assessment:	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.	
Persistence and Degradability:	No data available. Biodegradability Result: 91 % -Readily biodegradable Readily biodegradable.	
Bioaccumulative Potential:	No data available. Does not bioaccumulate.	
Mobility in Soil:	No data available.	
Other adverse effects:	No data available. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.	
13. Disposal Considerations		

Waste Disposal Method:	Product:
	Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a
	licensed professional waste disposal service to dispose of this material.
	Contaminated packaging:

14. Transport Information

LAND TRANSPORT (US DOT):					
DOT Proper Shipping Name:	Printing ink, [flammable or] Printing ink related material [(including printing ink thinning or reducing compound), flammable] Printing ink related material.				
DOT Hazard Class:	3 FLAMMABL	E LIQUID			
UN/NA Number:	UN1210	Packing Group:	П		
	FLOMMARBLE LIQUID				
LAND TRANSPORT (Canadian T	DG):				
TDG Shipping Name:	Printing ink, [flammable or] Printing ink related material [(including printing ink thinning or reducing compound), flammable] Printing ink related material.				
UN Number:	UN1210	Packing Group:	II		
Hazard Class:	3 - FLAMMABLE LIQUID	TDG Classification:			
MARINE TRANSPORT (IMDG/IM	0):				
IMDG/IMO Shipping Name:	Printing ink, [flammable or] Printing ink related material [(including printing ink thinning or reducing compound), flammable] Printing ink related material.				
UN Number:	UN1210	Packing Group:	II		
Hazard Class:	3 - FLAMMABLE LIQUID				

IMDG MFAG Number:



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AIR TRANSPORT (ICAO/IATA):

ICAO/IAT	A Shipping Name:	Printing ink, [flammable thinning or reducing co			• •			
UN Numb Hazard C		UN1210 3 - FLAMMABLE LIQU	Packing Gr		II			
15. Regulatory Information								
EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists								
CAS #	Hazardous Compor	nents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)			
64-17-5	Ethyl alcohol		No	No	No			
57-55-6	Propylene glycol		No	No	No			
67-64-1	Acetone		No	Yes NA	No			
1336-21-6	Ammonium hydroxid	e	No	Yes NA	No			
This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:								
[] Yes [X] No Explosive [] Yes [X] No Acute toxicity (any route of exposure)								
	Oxidizer (liquid, solid or ga	as)		X] Yes [] No Serious eye damage or eye irritation				
[] Yes [X] No			•• •• •	[] Yes [X] No Respiratory or Skin Sensitization				
	Pyrophoric (liquid or solid))		[X] Yes [] No Germ cell mutagenicity				
	[] Yes [X] No Pyrophoric gas [] Yes [X] No Self-heating			[] Yes [X] No Carcinogenicity [X] Yes [] No Reproductive toxicity				
	Organic peroxide							
	Corrosive to metal		[]Yes [X] No Aspir					
[] Yes [X] No	Gas under pressure (com	pressed gas)	[] Yes [X] No Simp	e Asphyxiant				
	In contact with water emit	s flammable gas	[]Yes [X] No (Heal	th) Hazard Not Otherwis	e Classified (HNOC)			
[] Yes [X] No	Combustible Dust							
		nerwise Classified (HNOC)						
CAS #	Hazardous Compor	nents (Chemical Name)	Canadian NPRI	Canadian Toxic	Canadian DSL			
CAS # 64-17-5	Hazardous Compor Ethyl alcohol	nents (Chemical Name)	Canadian NPRI Yes: Part 5	Canadian Toxic	Canadian DSL Yes			
	-	nents (Chemical Name)		Canadian Toxic No				
64-17-5	Ethyl alcohol	nents (Chemical Name)	Yes: Part 5		Yes			
64-17-5 57-55-6	Ethyl alcohol Propylene glycol		Yes: Part 5 No	No	Yes Yes			
64-17-5 57-55-6 67-64-1 1336-21-6 CAS #	Ethyl alcohol Propylene glycol Acetone Ammonium hydroxid Hazardous Compor		Yes: Part 5 No No No Other US EPA or	No No No	Yes Yes Yes			
64-17-5 57-55-6 67-64-1 1336-21-6	Ethyl alcohol Propylene glycol Acetone Ammonium hydroxid	e	Yes: Part 5 No No No	No No No State Lists	Yes Yes Yes			
64-17-5 57-55-6 67-64-1 1336-21-6 CAS #	Ethyl alcohol Propylene glycol Acetone Ammonium hydroxid Hazardous Compor	e	Yes: Part 5 No No Other US EPA or TSCA: Inventory	No No No State Lists	Yes Yes Yes			
64-17-5 57-55-6 67-64-1 1336-21-6 CAS # 64-17-5	Ethyl alcohol Propylene glycol Acetone Ammonium hydroxid Hazardous Compor Ethyl alcohol	e	Yes: Part 5 No No Other US EPA or TSCA: Inventory CA TAC, Title 8: ⁻¹ TSCA: Inventory TSCA: Inventory	No No State Lists	Yes Yes Yes			
64-17-5 57-55-6 67-64-1 1336-21-6 CAS # 64-17-5 57-55-6 67-64-1	Ethyl alcohol Propylene glycol Acetone Ammonium hydroxid Hazardous Compor Ethyl alcohol Propylene glycol Acetone	e nents (Chemical Name)	Yes: Part 5 No No Other US EPA or TSCA: Inventory CA TAC, Title 8: ⁻ TSCA: Inventory TSCA: Inventory CA TAC, Title 8: ⁻	No No State Lists	Yes Yes Yes			
64-17-5 57-55-6 67-64-1 1336-21-6 CAS # 64-17-5 57-55-6	Ethyl alcohol Propylene glycol Acetone Ammonium hydroxid Hazardous Compor Ethyl alcohol Propylene glycol	e nents (Chemical Name)	Yes: Part 5 No No Other US EPA or TSCA: Inventory CA TAC, Title 8: ⁻¹ TSCA: Inventory TSCA: Inventory	No No State Lists Title 8	Yes Yes Yes			
64-17-5 57-55-6 67-64-1 1336-21-6 CAS # 64-17-5 57-55-6 67-64-1	Ethyl alcohol Propylene glycol Acetone Ammonium hydroxid Hazardous Compor Ethyl alcohol Propylene glycol Acetone Ammonium hydroxid	e nents (Chemical Name)	Yes: Part 5 No No Other US EPA or TSCA: Inventory CA TAC, Title 8: ⁻ TSCA: Inventory TSCA: Inventory CA TAC, Title 8: ⁻ TSCA: Inventory	No No State Lists Title 8	Yes Yes Yes			
64-17-5 57-55-6 67-64-1 1336-21-6 CAS # 64-17-5 57-55-6 67-64-1 1336-21-6	Ethyl alcohol Propylene glycol Acetone Ammonium hydroxid Hazardous Compor Ethyl alcohol Propylene glycol Acetone Ammonium hydroxid	e nents (Chemical Name) e	Yes: Part 5 No No Other US EPA or TSCA: Inventory CA TAC, Title 8: ⁻ TSCA: Inventory TSCA: Inventory CA TAC, Title 8: ⁻ TSCA: Inventory CA TAC, Title 8: ⁻	No No State Lists Title 8 Title 8 Ulatory Lists	Yes Yes Yes			
64-17-5 57-55-6 67-64-1 1336-21-6 CAS # 64-17-5 57-55-6 67-64-1 1336-21-6 CAS #	Ethyl alcohol Propylene glycol Acetone Ammonium hydroxid Hazardous Compor Ethyl alcohol Propylene glycol Acetone Ammonium hydroxid Hazardous Compor	e nents (Chemical Name) e	Yes: Part 5 No No Other US EPA or TSCA: Inventory CA TAC, Title 8: ⁻ TSCA: Inventory CA TAC, Title 8: ⁻ TSCA: Inventory CA TAC, Title 8: ⁻ TSCA: Inventory CA TAC, Title 8: ⁻	No No State Lists Title 8 Title 8 Ulatory Lists	Yes Yes Yes			
64-17-5 57-55-6 67-64-1 1336-21-6 CAS # 64-17-5 57-55-6 67-64-1 1336-21-6 CAS #	Ethyl alcohol Propylene glycol Acetone Ammonium hydroxid Hazardous Compor Ethyl alcohol Propylene glycol Acetone Ammonium hydroxid Hazardous Compor	e nents (Chemical Name) e	Yes: Part 5 No No Other US EPA or TSCA: Inventory CA TAC, Title 8: ⁻ TSCA: Inventory TSCA: Inventory CA TAC, Title 8: ⁻ TSCA: Inventory CA TAC, Title 8: ⁻ International Reg Japan ENCS: 5-1	No No State Lists Title 8 Title 8 Ulatory Lists	Yes Yes Yes			
64-17-5 57-55-6 67-64-1 1336-21-6 CAS # 64-17-5 57-55-6 67-64-1 1336-21-6 CAS #	Ethyl alcohol Propylene glycol Acetone Ammonium hydroxid Hazardous Compor Ethyl alcohol Propylene glycol Acetone Ammonium hydroxid Hazardous Compor	e nents (Chemical Name) e	Yes: Part 5 No No Other US EPA or TSCA: Inventory CA TAC, Title 8: TSCA: Inventory TSCA: Inventory CA TAC, Title 8: TSCA: Inventory CA TAC, Title 8: International Reg Japan ENCS: 5-1 Israel HSL: Cat.	No No State Lists Title 8 Title 8 ulatory Lists 53 96: WGK 1	Yes Yes Yes			
64-17-5 57-55-6 67-64-1 1336-21-6 CAS # 64-17-5 57-55-6 67-64-1 1336-21-6 CAS #	Ethyl alcohol Propylene glycol Acetone Ammonium hydroxid Hazardous Compor Ethyl alcohol Propylene glycol Acetone Ammonium hydroxid Hazardous Compor	e nents (Chemical Name) e	Yes: Part 5 No No Other US EPA or TSCA: Inventory CA TAC, Title 8: ⁻ TSCA: Inventory TSCA: Inventory CA TAC, Title 8: ⁻ TSCA: Inventory CA TAC, Title 8: ⁻ International Reg Japan ENCS: 5-1 Israel HSL: Cat. Germany WHCS: Switzerland Gifflis	No No State Lists Title 8 Title 8 ulatory Lists 53 96: WGK 1	Yes Yes Yes			
64-17-5 57-55-6 67-64-1 1336-21-6 CAS # 64-17-5 57-55-6 67-64-1 1336-21-6 CAS #	Ethyl alcohol Propylene glycol Acetone Ammonium hydroxid Hazardous Compor Ethyl alcohol Propylene glycol Acetone Ammonium hydroxid Hazardous Compor	e nents (Chemical Name) e	Yes: Part 5 No No Other US EPA or TSCA: Inventory CA TAC, Title 8: TSCA: Inventory TSCA: Inventory CA TAC, Title 8: TSCA: Inventory CA TAC, Title 8: International Reg Japan ENCS: 5-1 Israel HSL: Cat. Germany WHCS: Switzerland Giftlis REACH: 01-2119 Japan ENCS: 7-6	No No State Lists Title 8 Title 8 Ulatory Lists 53 96: WGK 1 te 1: G-1158 457610-43: Full, (P)	Yes Yes Yes			
64-17-5 57-55-6 67-64-1 1336-21-6 CAS # 64-17-5 57-55-6 67-64-1 1336-21-6 CAS # 64-17-5	Ethyl alcohol Propylene glycol Acetone Ammonium hydroxid Hazardous Compor Ethyl alcohol Propylene glycol Acetone Ammonium hydroxid Hazardous Compor Ethyl alcohol	e nents (Chemical Name) e	Yes: Part 5 No No Other US EPA or TSCA: Inventory CA TAC, Title 8: TSCA: Inventory TSCA: Inventory CA TAC, Title 8: TSCA: Inventory CA TAC, Title 8: International Reg Japan ENCS: 5-1 Israel HSL: Cat. Germany WHCS: Switzerland Giftlis REACH: 01-2119 Japan ENCS: 7-6 Japan ISHL: 2-(8)	No No State Lists Title 8 Title 8 Ulatory Lists 53 96: WGK 1 te 1: G-1158 457610-43: Full, (P) 2 -323	Yes Yes Yes			
64-17-5 57-55-6 67-64-1 1336-21-6 CAS # 64-17-5 57-55-6 67-64-1 1336-21-6 CAS # 64-17-5	Ethyl alcohol Propylene glycol Acetone Ammonium hydroxid Hazardous Compor Ethyl alcohol Propylene glycol Acetone Ammonium hydroxid Hazardous Compor Ethyl alcohol	e nents (Chemical Name) e	Yes: Part 5 No No Other US EPA or TSCA: Inventory CA TAC, Title 8: TSCA: Inventory TSCA: Inventory CA TAC, Title 8: TSCA: Inventory CA TAC, Title 8: International Reg Japan ENCS: 5-1 Israel HSL: Cat. Germany WHCS: Switzerland Giftlis REACH: 01-2119 Japan ISHL: 2-(8) Germany WHCS:	No No State Lists Title 8 Title 8 Title 8 Ulatory Lists 53 96: WGK 1 te 1: G-1158 457610-43: Full, (P) 2 -323 280: WGK 1	Yes Yes Yes			
64-17-5 57-55-6 67-64-1 1336-21-6 CAS # 64-17-5 57-55-6 67-64-1 1336-21-6 CAS # 64-17-5	Ethyl alcohol Propylene glycol Acetone Ammonium hydroxid Hazardous Compor Ethyl alcohol Propylene glycol Acetone Ammonium hydroxid Hazardous Compor Ethyl alcohol	e nents (Chemical Name) e	Yes: Part 5 No No Other US EPA or TSCA: Inventory CA TAC, Title 8: ⁻ TSCA: Inventory TSCA: Inventory CA TAC, Title 8: ⁻ TSCA: Inventory CA TAC, Title 8: ⁻ International Reg Japan ENCS: 5-1 Israel HSL: Cat. Germany WHCS: Switzerland Giftlis REACH: 01-2119 Japan ISHL: 2-(8) Germany WHCS:	No No State Lists Title 8 Title 8 Ulatory Lists 53 96: WGK 1 te 1: G-1158 457610-43: Full, (P) 2 -323 280: WGK 1 te 1: G-2798	Yes Yes Yes			
64-17-5 57-55-6 67-64-1 1336-21-6 CAS # 64-17-5 57-55-6 67-64-1 1336-21-6 CAS # 64-17-5	Ethyl alcohol Propylene glycol Acetone Ammonium hydroxid Hazardous Compor Ethyl alcohol Propylene glycol Acetone Ammonium hydroxid Hazardous Compor Ethyl alcohol	e nents (Chemical Name) e	Yes: Part 5 No No Other US EPA or TSCA: Inventory CA TAC, Title 8: ⁻ TSCA: Inventory TSCA: Inventory CA TAC, Title 8: ⁻ TSCA: Inventory CA TAC, Title 8: ⁻ International Reg Japan ENCS: 5-1 Israel HSL: Cat. Germany WHCS: Switzerland Giftlis REACH: 01-2119 Japan ISHL: 2-(8) Germany WHCS:	No No State Lists Title 8 Title 8 Title 8 Ulatory Lists 53 96: WGK 1 te 1: G-1158 457610-43: Full, (P) 2 -323 280: WGK 1 te 1: G-2798 456809-23: Full, (P)	Yes Yes Yes			



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1336-21-6 Ammonium hydroxide Germany WHCS: 6: WGK 1 Switzerland Giftliste 1: G-1031 REACH: 01-2119471330-49: Full, (P) Mexico INSQ: 2672 Japan ENCS: 1-314 Germany WHCS: 211: WGK 2 Switzerland Giftliste 1: G-1100 REACH: 01-2119982985-14: Intermediate, (P)

16. Other Information

01/23/2023 **Revision Date: Previous revision:** Flammability Instability Hazard Rating System: HEALTH 1 FLAMMABILITY 3 0 PHYSICAL 0 Health PPE в NFPA: HMIS: Special Hazard

Additional Information About No data available. **This Product:**

Company Policy or Disclaimer:

