

(800)424-9300

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according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 2020/878; US OSHA HCS 2015; and Canadian WHMIS 2015.

Section 1. Identification of the Substance/Mixture and of the Company/Undertaking

 1.1
 Product Code:
 N930324

 Product Name:
 TH-TYPE-F

 X Code:
 X(22,53)0324

1.2 Relevant identified uses of the substance or mixture and uses advised against:

1.3 Details of the Supplier of the Safety Data Sheet:

Company Name:	Hitachi Industrial Equipment & Solutions America, LLC	
	2730 Greenleaf Avenue	Phone Number:
	Elk Grove Village, IL 60007	(866)583-0048
Information:	Christian Krzykwa	(980)500-7144

1.4 Emergency telephone number:

Emergency Contact: Chemtrec

Section 2. Hazards Identification

- 2.1 Classification of the Substance or Mixture: Flammable Liquids, Category 2 Specific Target Organ Toxicity (single exposure), Category 3
- 2.2 Label Elements:



Danger

Hazard-determining components of labelling:

Isopropyl alcohol

GHS Signal Word:

1-Propanol

GHS Hazard Phrases:

H225 - Highly flammable liquid and vapor.

H336 - May cause drowsiness or dizziness.

GHS Precautionary Phrases:

- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P233 Keep container tightly closed.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical/ventilating/lighting/.../ equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P235 Keep cool.

GHS Response Phrases:

P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312 - Call a POISON CENTER or doctor/physician if you feel unwell.

P370+378 - In case of fire, use ... to extinguish.



GHS Storage and Disposal Phrases:

P403+233 - Store container tightly closed in well-ventilated place.

P405 - Store locked up.

 $\mathsf{P501}$ - Dispose of contents/container to \ldots

UFI:

2.3 Adverse Human Health Hazards not otherwise classified (HNOC) or not covered by GHS -none. Hazards not Effects and Symptoms: otherwise classified (HNOC) or not covered by GHS.

Section 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	GHS Classification
64-17-5	Ethyl alcohol 01-2119457610-43	76.24 -90.535 %	200-578-6 603-002-00-5	Flam. Liq. 2: H225
67-63-0	Isopropyl alcohol 01-2119457558-25	3.85 -5.465 %	200-661-7 603-117-00-0	Flam. Liq. 2: H225 Eye Damage 2: H319 STOT (SE) 3: H336
71-23-8	1-Propanol 01-2119486761-29	4.99 -14.97 %	200-746-9 603-003-00-0	Flam. Liq. 2: H225 Eye Damage 1: H318 STOT (SE) 3: H335 H336

Section 4. First Aid Measures

Description of First AidConsult a physician. Show this safety data sheet to the doctor in attendance. Move out of 4.1 dangerous area. Measures: **In Case of Inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. In Case of Skin Wash off with soap and plenty of water. Consult a physician. **Contact:** In Case of Eye Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Contact: In Case of Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. 4.2 The most important known symptoms and effects are described in the labelling (see Important Symptoms section 2.2) and/or in section 11 and Effects, Both Acute and Delayed: 4.3 Indication of any No data available. immediate medical attention and special treatment needed:



Section 5. Fire Fighting Measures

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	Suitable Extinguishing Media:	Use water spray, dry cho	emical, carbon dioxide, or alcohol-resistant	foam.
5.2	Flammable Properties and Hazards:	Carbon oxides.		
		No data available.		
	Flash Pt:	> 12.00 C Method Use	ed: Estimate	
	Explosive Limits:	LEL: No data.	UEL: No data.	
	Autoignition Pt:	> 365.00 C		
5.3	Fire Fighting	Wear self contained breat	athing apparatus for fire fighting if necessar	V.
	Instructions:	Further information.		
	S	Section 6. Accide	ental Release Measures	
6.1	Protective Precautions		equipment. Avoid breathing vapors, mist o	•
	Protective Equipment	•	emove all sources of ignition. Beware of var	•
	and Emergency	•	ations. Vapours can accumulate in low area	
	Procedures:	For personal protection	see section 8. Evacuate personnel to safe	areas.
6.2	Environmental	Prevent further leakage	or spillage if safe to do so. Do not let produ	ict enter drains.
	Precautions:			
6.3	Methods and Material		en collect with an electrically protected vac	•
	For Containment and	• ·	in container for disposal according to local	regulations (see
	Cleaning Up:	section 13).		
		Section 7 Ha	Indling and Storage	
7.1	Precautions To Be Taken in Handling:	Avoid contact with skin a sources of ignition - No s charge. For precautions	and eyes. Avoid inhalation of vapor or mist. smoking. Take measures to prevent the bui see section 2. Use explosion-proof equipm	ld up of electrostatic ent.
7.1 7.2		Avoid contact with skin a sources of ignition - No s charge. For precautions Keep container tightly cl opened must be carefull storage temperature: 2 -	and eyes. Avoid inhalation of vapor or mist. smoking. Take measures to prevent the bui see section 2. Use explosion-proof equipm osed in a dry and well-ventilated place. Cor y resealed and kept upright to prevent leak	ld up of electrostatic ent. ntainers which are
	Taken in Handling: Precautions To Be	Avoid contact with skin a sources of ignition - No s charge. For precautions Keep container tightly cl opened must be carefull storage temperature: 2 - Storage class 510) Hand	and eyes. Avoid inhalation of vapor or mist. smoking. Take measures to prevent the bui see section 2. Use explosion-proof equipm osed in a dry and well-ventilated place. Cor y resealed and kept upright to prevent leaks 8 - 8 deg.C.	ld up of electrostatic ent. ntainers which are age. Recommended
	Taken in Handling: Precautions To Be Taken in Storing: Other Precautions:	Avoid contact with skin a sources of ignition - No s charge. For precautions Keep container tightly cl opened must be carefull storage temperature: 2 - Storage class 510) Hand Apart from the uses mer	and eyes. Avoid inhalation of vapor or mist. smoking. Take measures to prevent the bui see section 2. Use explosion-proof equipm osed in a dry and well-ventilated place. Cor y resealed and kept upright to prevent leak 8 - 8 deg.C. dle and store under inert gas. Hygroscopic.	ld up of electrostatic ent. ntainers which are age. Recommended
	Taken in Handling: Precautions To Be Taken in Storing: Other Precautions:	Avoid contact with skin a sources of ignition - No s charge. For precautions Keep container tightly cl opened must be carefull storage temperature: 2 - Storage class 510) Hand Apart from the uses mer	and eyes. Avoid inhalation of vapor or mist. smoking. Take measures to prevent the bui see section 2. Use explosion-proof equipm osed in a dry and well-ventilated place. Cor y resealed and kept upright to prevent leak 8 - 8 deg.C. dle and store under inert gas. Hygroscopic. ntioned in section 1.2 no other specific uses	ld up of electrostatic ent. ntainers which are age. Recommended
7.2	Taken in Handling: Precautions To Be Taken in Storing: Other Precautions: Section Exposure Parameters:	Avoid contact with skin a sources of ignition - No s charge. For precautions Keep container tightly cl opened must be carefull storage temperature: 2 - Storage class 510) Hand Apart from the uses mer	and eyes. Avoid inhalation of vapor or mist. smoking. Take measures to prevent the bui see section 2. Use explosion-proof equipm osed in a dry and well-ventilated place. Cor y resealed and kept upright to prevent leak 8 - 8 deg.C. dle and store under inert gas. Hygroscopic. ntioned in section 1.2 no other specific uses	ld up of electrostatic ent. ntainers which are age. Recommended
7.2	Taken in Handling: Precautions To Be Taken in Storing: Other Precautions: Section Exposure Parameters: # Chemical Name	Avoid contact with skin a sources of ignition - No s charge. For precautions Keep container tightly cl opened must be carefull storage temperature: 2 - Storage class 510) Hand Apart from the uses mer	and eyes. Avoid inhalation of vapor or mist. smoking. Take measures to prevent the bui see section 2. Use explosion-proof equipm osed in a dry and well-ventilated place. Cor y resealed and kept upright to prevent leak 8 - 8 deg.C. dle and store under inert gas. Hygroscopic. ntioned in section 1.2 no other specific uses	ld up of electrostatic ent. ntainers which are age. Recommended
7.2 8.1 CAS	Taken in Handling: Precautions To Be Taken in Storing: Other Precautions: Section Exposure Parameters: # Chemical Name	Avoid contact with skin a sources of ignition - No s charge. For precautions Keep container tightly cl opened must be carefull storage temperature: 2 - Storage class 510) Hand Apart from the uses mer on 8. Exposure C	and eyes. Avoid inhalation of vapor or mist. smoking. Take measures to prevent the bui see section 2. Use explosion-proof equipm osed in a dry and well-ventilated place. Cor y resealed and kept upright to prevent leaks 8 - 8 deg.C. dle and store under inert gas. Hygroscopic. ntioned in section 1.2 no other specific uses Controls/Personal Protection Recommended Exposure Limits TLV: 1000 ppm	ld up of electrostatic ent. ntainers which are age. Recommended
7.2 8.1 CAS	Taken in Handling: Precautions To Be Taken in Storing: Other Precautions: Section Exposure Parameters: # Chemical Name	Avoid contact with skin a sources of ignition - No s charge. For precautions Keep container tightly cl opened must be carefull storage temperature: 2 - Storage class 510) Hand Apart from the uses mer on 8. Exposure C Jurisdiction ACGIH TLV	and eyes. Avoid inhalation of vapor or mist. smoking. Take measures to prevent the bui see section 2. Use explosion-proof equipm osed in a dry and well-ventilated place. Cor y resealed and kept upright to prevent leaks 8 - 8 deg.C. dle and store under inert gas. Hygroscopic. thioned in section 1.2 no other specific uses Controls/Personal Protection Recommended Exposure Limits TLV: 1000 ppm STEL: 1000 ppm TWA: 1900 mg/m3 (1000 ppm)	ld up of electrostatic ent. ntainers which are age. Recommended
7.2 8.1 CAS	Taken in Handling: Precautions To Be Taken in Storing: Other Precautions: Section Exposure Parameters: # Chemical Name	Avoid contact with skin a sources of ignition - No s charge. For precautions Keep container tightly cl opened must be carefull storage temperature: 2 - Storage class 510) Hand Apart from the uses mer on 8. Exposure C Jurisdiction ACGIH TLV France VL	and eyes. Avoid inhalation of vapor or mist. smoking. Take measures to prevent the bui see section 2. Use explosion-proof equipm osed in a dry and well-ventilated place. Cor y resealed and kept upright to prevent leaks 8 - 8 deg.C. dle and store under inert gas. Hygroscopic. thioned in section 1.2 no other specific uses Controls/Personal Protection Recommended Exposure Limits TLV: 1000 ppm STEL: 1000 ppm TWA: 1900 mg/m3 (1000 ppm) STEL: 9500 mg/m3 (5000 ppm) PEL: 1000 ppm TWA: 1920 mg/m3 (1000 ppm)	ld up of electrostatic ent. ntainers which are age. Recommended
7.2 8.1 CAS 64-17	Taken in Handling: Precautions To Be Taken in Storing: Other Precautions: Section Exposure Parameters: # Chemical Name 7-5 Ethyl alcohol	Avoid contact with skin a sources of ignition - No s charge. For precautions Keep container tightly cl opened must be carefull storage temperature: 2 - Storage class 510) Hand Apart from the uses mer on 8. Exposure C Jurisdiction ACGIH TLV France VL OSHA PELs Britain EH40	and eyes. Avoid inhalation of vapor or mist. smoking. Take measures to prevent the bui see section 2. Use explosion-proof equipm osed in a dry and well-ventilated place. Cor y resealed and kept upright to prevent leaks 8 - 8 deg.C. dle and store under inert gas. Hygroscopic. ntioned in section 1.2 no other specific uses Controls/Personal Protection Recommended Exposure Limits TLV: 1000 ppm STEL: 1000 ppm TWA: 1900 mg/m3 (1000 ppm) STEL: 9500 mg/m3 (5000 ppm) PEL: 1000 ppm TWA: 1920 mg/m3 (1000 ppm) STEL: ()	ld up of electrostatic ent. ntainers which are age. Recommended
7.2 8.1 CAS	Taken in Handling: Precautions To Be Taken in Storing: Other Precautions: Section Exposure Parameters: # Chemical Name 7-5 Ethyl alcohol	Avoid contact with skin a sources of ignition - No s charge. For precautions Keep container tightly cl opened must be carefull storage temperature: 2 - Storage class 510) Hand Apart from the uses mer DN 8. Exposure O Jurisdiction ACGIH TLV France VL OSHA PELs	and eyes. Avoid inhalation of vapor or mist. smoking. Take measures to prevent the bui see section 2. Use explosion-proof equipm osed in a dry and well-ventilated place. Cor y resealed and kept upright to prevent leaks 8 - 8 deg.C. dle and store under inert gas. Hygroscopic. ntioned in section 1.2 no other specific uses Controls/Personal Protection Recommended Exposure Limits TLV: 1000 ppm STEL: 1000 ppm TWA: 1900 mg/m3 (1000 ppm) STEL: 9500 mg/m3 (5000 ppm) PEL: 1000 ppm TWA: 1920 mg/m3 (1000 ppm) STEL: () TLV: 200 ppm	ld up of electrostatic ent. ntainers which are age. Recommended
7.2 8.1 CAS 64-17	Taken in Handling: Precautions To Be Taken in Storing: Other Precautions: Section Exposure Parameters: # Chemical Name 7-5 Ethyl alcohol	Avoid contact with skin a sources of ignition - No s charge. For precautions Keep container tightly cl opened must be carefull storage temperature: 2 - Storage class 510) Hand Apart from the uses mer on 8. Exposure C Jurisdiction ACGIH TLV France VL OSHA PELs Britain EH40	and eyes. Avoid inhalation of vapor or mist. smoking. Take measures to prevent the bui see section 2. Use explosion-proof equipm osed in a dry and well-ventilated place. Cor y resealed and kept upright to prevent leaks 8 - 8 deg.C. dle and store under inert gas. Hygroscopic. ntioned in section 1.2 no other specific uses Controls/Personal Protection Recommended Exposure Limits TLV: 1000 ppm STEL: 1000 ppm TWA: 1900 mg/m3 (1000 ppm) STEL: 9500 mg/m3 (5000 ppm) PEL: 1000 ppm TWA: 1920 mg/m3 (1000 ppm) STEL: ()	ld up of electrostatic ent. ntainers which are age. Recommended
7.2 8.1 CAS 64-17	Taken in Handling: Precautions To Be Taken in Storing: Other Precautions: Section Exposure Parameters: # Chemical Name 7-5 Ethyl alcohol	Avoid contact with skin a sources of ignition - No s charge. For precautions Keep container tightly cl opened must be carefull storage temperature: 2 - Storage class 510) Hand Apart from the uses mer DAB: Exposure O Jurisdiction ACGIH TLV France VL OSHA PELS Britain EH40 ACGIH TLV	and eyes. Avoid inhalation of vapor or mist. smoking. Take measures to prevent the bui see section 2. Use explosion-proof equipm osed in a dry and well-ventilated place. Cor y resealed and kept upright to prevent leaks 8 - 8 deg.C. dle and store under inert gas. Hygroscopic. thioned in section 1.2 no other specific uses Controls/Personal Protection Recommended Exposure Limits TLV: 1000 ppm STEL: 1000 ppm TWA: 1900 mg/m3 (1000 ppm) STEL: 9500 mg/m3 (5000 ppm) PEL: 1000 ppm TWA: 1920 mg/m3 (1000 ppm) STEL: () TLV: 200 ppm STEL: () TLV: 200 ppm STEL: 400 ppm	ld up of electrostatic ent. ntainers which are age. Recommended
7.2 8.1 CAS 64-17	Taken in Handling: Precautions To Be Taken in Storing: Other Precautions: Section Exposure Parameters: # Chemical Name 7-5 Ethyl alcohol	Avoid contact with skin a sources of ignition - No s charge. For precautions Keep container tightly cl opened must be carefull storage temperature: 2 - Storage class 510) Hand Apart from the uses mer on 8. Exposure 0 Jurisdiction ACGIH TLV France VL OSHA PELS Britain EH40 ACGIH TLV France VL	and eyes. Avoid inhalation of vapor or mist. smoking. Take measures to prevent the bui see section 2. Use explosion-proof equipm osed in a dry and well-ventilated place. Cor y resealed and kept upright to prevent leaks 8 - 8 deg.C. dle and store under inert gas. Hygroscopic. thioned in section 1.2 no other specific uses Controls/Personal Protection Recommended Exposure Limits TLV: 1000 ppm STEL: 1000 ppm TWA: 1900 mg/m3 (1000 ppm) STEL: 9500 mg/m3 (5000 ppm) PEL: 1000 ppm TWA: 1920 mg/m3 (1000 ppm) STEL: () TLV: 200 ppm STEL: () TLV: 200 ppm STEL: 400 ppm STEL: 980 mg/m3 (400 ppm)	ld up of electrostatic ent. ntainers which are age. Recommended



71-23-8 1-Propanol

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ACGIH TLV	TLV: 100 ppm	
	STEL: (250 ppm)	
France VL	TWA: 500 mg/m3 (200 ppm)	
OSHA PELs	PEL: 200 ppm	
Britain EH40	TWA: 500 mg/m3 (200 ppm)	Skin Absorption
	STEL: 625 mg/m3 (250 ppm)	

8.2 Exposure Controls:

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

8.2.2 Personal protection equipment:

- **Eye 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). 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: 0.4 mm, Break through time: 480 min. If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. 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.

Other ProtectiveImpervious clothing. Flame retardant antistatic protective clothing. The type of protectiveClothing:equipment must be selected according to the concentration and amount of the
dangerous substance at the specific workplace. Complete suit protecting against
chemicals.

Respiratory Equipment Where risk assessment shows air-purifying respirators are appropriate use a full-face (Specify Type): 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).

Work/Hygienic/Mainten Handle in accordance with good industrial hygiene and safety practice. Wash handsance Practices:before breaks and at the end of workday.

 8.2.3 Environmental
 Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

 Exposure Controls:
 Exposure Controls:

Exposure Scenarios: No data available.

Section 9. Physical and Chemical Properties

9.1	Information on Basic Physical and Chemical Properties		
	Physical States:	[]Gas [X]Liquid []Solid	
	Appearance and Odor:	Color: colorless (Upon aging, clear or colorless fluids may develop a slight yellow tint which will not affect the product performance).	
	pH:	No data.	



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Melting Point:	NA -127.00 - 129.10 C
Boiling Point:	78.00 C - 97.00 C
Flash Pt:	> 12.00 C Method Used: Estimate
Evaporation Rate:	No data.
Saturated Vapor	No data.
Concentration:	
Flammability (solid, gas):	No data available.
Explosive Limits:	LEL: No data. UEL: No data.
Vapor Pressure (vs. Air or	No data.
mm Hg):	
	No data.
Vapor Density (vs. Air = 1):	No data.
Specific Gravity (Water = 1):	0.789
Density:	0.7885 G/ML (6.58 - LB/GA)
Solubility in Water:	MISCIBLE
Octanol/Water Partition	No data.
Coefficient:	
Autoignition Pt:	> 365.00 C
Decomposition	No data.
Temperature:	
Viscosity:	No data.
Explosive Properties:	No data available.
Oxidizing Properties:	No data available. The substance or mixture is not classified as oxidizing.
Other Information	

- 9.2.1 Information with regard to physical hazard classes Information with regard to primary physical hazard:
- 9.2.2 Other safety characteristics

9.2

Section 10	Stability an	d Reactivity
	Stability an	

10.1	Reactivity:	No data available.
10.2	Stability:	Unstable [] Stable [X]
10.3	Conditions To Avoid -	No data available. Vapors may form explosive mixture with air.
	Hazardous Reactions:	
	Possibility of	Will occur [] Will not occur [X]
	Hazardous Reactions:	
10.4	Conditions To Avoid -	Heat, flames and sparks. Extremes of temperature and direct sunlight. Heat.
	Instability:	
10.5	Incompatibility -	Strong oxidizing agents. Oxidizing agents, Acid anhydrides, Aluminum, Halogenated
	Materials To Avoid:	compounds, Acids.
10.6	Hazardous	No data available. In the event of fire: see section 5. Other decomposition products:
	Decomposition or	
	Byproducts:	
	Byproductor	



			Section 11. Toxicologi	cal Inforn	nation		
11.1	Informat		Acute toxicity.				
	Toxicolo	gical Effects:	No data available. Inhalation: Dermal. Germ cell mutagenicity. Reproductive toxicity. Aspiration hazard:				
	Irritation	or Corrosion:	Skin corrosion/irritation. No data available. Provide adequate ventila		ous eye dama	age/eye irritat	ion no data
			Result: Tumorigenic:Tumors at site damage/eye irritation Eyes -rabbit.	Serious eye	damage/eye	irritation: Eye	s - rabbit -
			No skin irritation . (OECD Test Gui -Rabbit) Severe eye irritation .	deline 404) S	erious eye da	amage/eye irr	itation Eyes
	Se	ensitization:	No data available. Maximisation Te at site or application.	est. Species:	Guinea pig. F	Result: Tumor	igenic:Tumors
	Chronic Effects:	Toxicological	Specific target organ toxicity -singl available.	e exposure (C	Globally Harm	nonized Syste	em) No data
	Lifects.		available. Specific target organ toxicity -repeated exposure: no data available. Specific target organ toxicity - single exposure: Inhalation. Oral. May cause drowsiness or dizziness. Specific target organ toxicity - repeated exposure:				
Carcinogenicity/Other Information:			IARC: No component of this production identified as probable, possible or NTP: No component of this production identified as a known or anticipated OSHA: No component of this production identified as a carcinogen or potent component that is not classifiable at NTP, or EPA classification. IARC: humans.	confirmed hui t present at le d carcinogen uct present at tial carcinoge as to its carcir	man carcinog evels greater by NTP. I levels greate n by OSHA. nogenicity ba	en by IARC. than or equal er than or equ This product sed on its IAF	l to 0.1% is al to 0.1% is is or contains a RC, ACGIH,
CAS #	# 1	Hazardous Com	ponents (Chemical Name)	NTP	IARC	ACGIH	OSHA
64		Ethyl alcohol		n.a.	1	A4	n.a.
		sopropyl alcohol		n.a.	3	A4	n.a.
71	-23-8	1-Propanol		n.a.	n.a.	n.a.	n.a.
			Section 12. Ecologica	l Informa	ation		
12.1	Toxicity:		No data available.				
12.2	Persister		No data available. Biodegradability Result: 75 % - Readily biodegradable.				
	Degradability:			L.L. S. L. M.			
12.3	12.3 Bioaccumulative No data available. The product is miscible in water and readily biodegradable in bo water and soil. Accumulation is not expected.			idie in doth			
			No data available.	, expected.			
12.5	-	of PBT and	PBT/vPvB assessment not availab	le as chemica	al safety asse	essment not r	equired/not
4.4		sessment:	conducted.				
12.6	Other ad	verse effects:	No data available.				



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		Section 13. Dispo	sal Consider	ations	
3.1 Waste Metho	d:	Product. Burn in a chemical incinera care in igniting as this mate solutions to a licensed disp disposal service to dispose Contaminated packaging.	erial is highly flamm osal company. Con	able. Offer surplus	and non-recyclable
		Section 14. Trai	nsport Inform	ation	
GHS Classif		Flammable Liquids, Categ Specific Target Organ Tox respiratory irritation, or ma	icity (single exposu	re), Category 3 - W	
4.1 LAND	TRANSPORT (US	DOT):			
	per Shipping Nam ard Class:	e: Printing ink, [flammable thinning or reducing co 3 FLAM			ding printing ink
UN/NA N		UN1210			II
4.1 LAND	TRANSPORT (Ca	nadian TDG):			
TDG Shij	oping Name:	Printing ink, [flammable thinning or reducing co			iding printing ink
UN Numl Hazard C		1210 3 - FLAMMABLE LIQU	Packing G ID TDG Class	-	II
4.1 LAND	TRANSPORT (Eu	ropean ADR/RID):			
ADR/RID	Shipping Name:	Printing ink, [flammable thinning or reducing co			iding printing ink
UN Numl Hazard C		1210 3 - FLAMMABLE LIQU			II
	RANSPORT (ICAO				
ICAO/IAT	A Shipping Name	Printing ink, [flammable thinning or reducing co		- •	iding printing ink
UN Numl Hazard C		1210 3 - FLAMMABLE LIQU	Packing G ID	roup:	II
		Section 15. Regu	latory Inform	nation	
-	-	ents and Reauthorization Ac	t of 1986) Lists		
CAS #		onents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
64-17-5	Ethyl alcohol		No	No	No
67-63-0	Isopropyl alcohol		No	No	Yes
71-23-8	1-Propanol		No	No	No
CAS #	-	onents (Chemical Name)	Canadian NPRI	Canadian Toxic	Canadian DSL
64-17-5 67-63-0	Ethyl alcohol Isopropyl alcohol		Yes: Part 5 Yes: Part 5		Yes Yes
	1-Propanol		No	No	Yes

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CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
64-17-5	Ethyl alcohol	TSCA: Yes - Inventory; CA PROP.65: No
67-63-0	Isopropyl alcohol	TSCA: Yes - Inventory; CA PROP.65: No
71-23-8	1-Propanol	TSCA: Yes - Inventory; CA PROP.65: No
CAS # 64-17-5	Hazardous Components (Chemical Name) Ethyl alcohol	International Regulatory Lists Mexico INSQ: Yes; Australia ICS: Yes; New Zealand IOC: Yes; China IECSC: Yes; Japan ENCS: Yes - 5-153; Japan ISHL: No; Korea ECL: Yes - KE-13217; Philippines ICCS: Yes; Taiwan TCSCA: Yes; Singapore HSL: No; Israel HSL: Yes - Cat.; Germany WHCS: Yes - 96: WGK 1; Switzerland Giftliste 1: Yes - G-1158; Switzerland INNS: No; REACH: Yes - 01-2119457610-43: Full, (P)
67-63-0	Isopropyl alcohol	Mexico INSQ: Yes - 1219; Australia ICS: Yes; New Zealand IOC: Yes; China IECSC: Yes; Japan ENCS: Yes - 2-207; Japan ISHL: Yes - 2-(8)-319; Korea ECL: Yes - KE-29363; Philippines ICCS: Yes; Taiwan TCSCA: Yes; Singapore HSL: No; Israel HSL: Yes - Cat.; Germany WHCS: Yes - 135: WGK 1; Switzerland Giftliste 1: Yes - G-1712; Switzerland INNS: No; REACH: Yes - 01-2119457558-25: Full, (P)
71-23-8	1-Propanol	Mexico INSQ: Yes - 1274; Australia ICS: Yes; New Zealand IOC: Yes; China IECSC: Yes; Japan ENCS: Yes - 2-207; Japan ISHL: No; Korea ECL: Yes - KE-29362; Philippines ICCS: Yes; Taiwan TCSCA: Yes; Singapore HSL: No; Israel HSL: No; Germany WHCS: Yes - 176: WGK 1; Switzerland Giftliste 1: Yes - G-2043; Switzerland INNS: No; REACH: Yes - 01-2119486761-29: Full, (P)

Section 16. Other Information

Revision Date:

03/04/2022

Additional Information About No data available.

This Product:

Company Policy or

Disclaimer:

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