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1. Product and Company Identification				
Product Name: Company Name:	4413Tci, JP-T413ci 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-marl 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 Skin Corrosion/Irritation, Category 3 Serious Eye Damage/Eye Irritation, Category 2 Carcinogenicity, Category 1B Toxic To Reproduction, Category 2 Specific Target Organ Toxicity (single exposure), Category 3 - Respiratory irritation, Narcotic effects, Respiratory irritation. Aquatic Toxicity (Acute), Category 3 Aquatic Toxicity (Chronic), Category 3



GHS Signal Word: GHS Hazard Phrases:

Danger

- H225 Highly flammable liquid and vapor.
- H316 Causes mild skin irritation.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H350 May cause cancer .
- H361 Suspected of damaging fertility or the unborn child .
- H412 Harmful to aquatic life with long lasting effects.

H3UN - 5.00 % of the mixture consists of an ingredient or ingredients of unknown acute toxicity.

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.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical/ventilating/lighting/handling/ equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
- P264 Wash hands thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.



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	P281 - Use personal protective equipment as required.		
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.		
	P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.		
	P308+313 - IF exposed or concerned: Get medical attention/advice.		
	P312 - Call a POISON CENTER or doctor/physician if you feel unwell.		
	P332+313 - If skin irritation occurs, get medical advice/attention.		
	P337+313 - If eye irritation persists, get medical advice/attention.		
GHS Storage and Disposal Phrases:	P403+233 - Store container tightly closed in a cool and well-ventilated place. P405 - Store locked up.		
	P501 - Dispose of contents/container a licensed waste disposal company in compliance with local and state regulations.		
Emergency Overview:			
Potential Health Effects	Hazards not otherwise classified (HNOC) or not covered by GHS -none. Hazards not		
(Acute and Chronic):	otherwise classified (HNOC) or not covered by GHS. May form explosive peroxides.		
	Repeated exposure may cause skin dryness or cracking.		
	Chronic: Not available.		
Inhalation:	Harmful if inhaled. Causes chemical burns to the respiratory tract. Inhalation may be fatal as a result of spasm, inflammation, edema of the larynx and bronchi, chemical pneumonitis and pulmonary edema. May cause burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, and vomiting.		
Skin Contact:	Harmful if absorbed through the skin. Causes skin burns.		
Eye Contact:	Causes eye burns.		
Ingestion:	Harmful if swallowed. Causes gastrointestinal tract burns.		
3. Composition/Information on Ingredients			
0.4.0.#			

CAS #	Hazardous Components (Chemical Name)	Concentration
107-87-9	2-Pentanone	50.0 -60.0 %
64-17-5	Ethyl alcohol	10.0 -20.0 %
108-10-1	Methyl isobutyl ketone	1.0 -10.0 %
67-63-0	Isopropyl alcohol	< 5.0 %
NA	(Trade Secret)	< 5.0 %
3109-63-5	Tetrabutylammonium hexafluorophosphate	< 5.0 %
108-88-3	Toluene	< 1.0 %
NA	(Trade Secret)	< 1.0 %



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4. First Aid Measures			
Emergency and First Aid Procedures:	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.		
In Case of Inhalation:	If breathed in, move person into fresh air. Consult a physician. Get medical aid immediately. Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen.		
In Case of Skin Contact:	Wash off with soap and plenty of water. Consult a physician. Get medical aid immediately. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.		
In Case of Eye Contact:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.		
In Case of Ingestion:	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. Get medical aid immediately. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.		
Signs and Symptoms Of Exposure:	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11		
Indication of any immediate medical attention and specia treatment needed:	No data available. al		
Note to Physician:	Treat symptomatically and supportively.		
	5. Fire Fighting Measures		
Flash Pt:	> 7.00 C (44.6 F) Method Used: TAG Closed Cup		
Explosive Limits:	LEL: No data. UEL: No data.		
Autoignition Pt:	No data.		
Suitable Extinguishing Medi	a :Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam. Dry powder. Dry sand, Use foam, dry chemical, or carbon dioxide.		
Unsuitable Extinguishing Media:	Do not use water jet.		
Fire Fighting Instructions:	Wear self contained breathing apparatus for fire fighting if necessary. Further information. Use water spray to cool unopened containers. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.		
Flammable Properties and	Carbon oxides,		
Hazards:	No data available.		
Hazardous Combustion Products:	No data available.		



67-63-0

NA

3109-63-5

108-88-3

NA

Isopropyl alcohol

(Trade Secret)

(Trade Secret)

Toluene

Tetrabutylammonium

hexafluorophosphate

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6. Accidental Release Measures					
Emergency	quipment and Procedures:	Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8.			
	ital Precautions: Taken In Case Released Or	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. 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). Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container.			
7. Handling and Storage					
Precautions Handling:	∃ To Be Taken in	Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. For precautions see section 2. Do not get in eyes, on skin, or on clothing. Use only in a chemical fume hood.			
Precautions Storing:	∃ To Be Taken in				
Other Preca	utions:	Apart from the uses mentioned in section 1 no other specific uses are stipulated. 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
107-87-9	2-Pentanone		PEL: 200 ppm	TLV: 200 ppm STEL: 150 ppm	No data.
64-17-5	Ethyl alcohol		PEL: 1000 ppm	TLV: 1000 ppm STEL: 1000 ppm	No data.
108-10-1	Methyl isobutyl ke	etone	PEL: 100 ppm	TLV: 20 ppm	No data.

PEL: 400 ppm

PEL: 200 ppm

CEIL: 300 ppm

STEL: 500 ppm/(10min)

No data.

No data.

No data.

STEL: 75 ppm

TLV: 200 ppm

STEL: 400 ppm

No data.

No data.

No data.

TLV: 20 ppm

No data.

No data. No data.

No data.

No data.



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Personal Protective Equipment Symbols:	
Respiratory Equipment (Specify Type):	Respiratory: 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). Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
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). Not available.
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. Material: butyl-rubber Minimum layer thickness: 0.3 mm Break through time: ? min.
	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: 175 min. Full contact. Wear appropriate protective gloves to prevent skin exposure.
Other Protective Clothing:	Complete suit protecting against chemicals. Flame retardant antistatic protective clothing. Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Wear appropriate protective clothing to prevent skin exposure.
Engineering Controls (Ventilation etc.):	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.
Environmental Exposure Controls:	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
	9. Physical and Chemical Properties
Physical States:	[]Gas [X]Liquid []Solid
Appearance and Odor:	Black. solvent odor.
pH:	~ 4.6
Melting Point:	-89.50 C (-129.1 F) - 246.00 C (474.8 F)
Boiling Point:	No data 118.00 C (244.4 F)
Flash Pt:	> 7.00 C (44.6 F) Method Used: TAG Closed Cup
Evaporation Rate:	No data.
Flammability (solid, gas):	No data available.
Explosive Limits:	LEL: No data. UEL: No data.
Vapor Pressure (vs. Air or mm Hg):	No data.

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Vapor Density (vs. Air = 1): Specific Gravity (Water =	No data. No data.
1): Density:	~ 0.807 g/mL
Solubility in Water:	No data.
Saturated Vapor Concentration:	No data.
Octanol/Water Partition Coefficient:	No data.
Autoignition Pt:	No data.
Decomposition Temperature:	No data.
Viscosity:	No data.
Explosive Properties:	No data available.
Oxidizing Properties: Information with regard to primary physical hazard:	No data available.

10. Stability and Reactivity			
Reactivity:	No data available.		
Stability:	Unstable [] Stable [X]		
Conditions To Avoid - Instability:	Heat, flames and sparks. Heat, Reacts with air to form peroxides. Conditions to Avoid: Incompatible materials, Exposure to moist air or water.		
Incompatibility - Materials Te Avoid:	als To Reducing agents, Acid anhydrides, Aluminum, Halogenated compounds, Acids. Strong oxidizing agents.		
Hazardous Decomposition or No data available. In the event of fire: see section 5. Hazardous decomposition products Byproducts: formed under fire conditionsCarbon oxides. Hydrogen cyanide, Carbon monoxide, oxides of nitrogen, oxides of phosphorus, Carbon dioxide, hydrogen fluoride gas. Phosphoric acid, Ammonia.			
Possibility of Hazardous Reactions:	Will occur [] Will not occur [X]		
Conditions To Avoid - Hazardous Reactions:	Vapors may form explosive mixture with air. No data available.		



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Toxicological Information: Acute toxicity.

Germ cell mutagenicity: No data available. In vitro mammalian cell gene mutation test: Mouse. lymphoma cells. Result: negative. Reproductive toxicity. Aspiration hazard: Inhalation: Dermal. Developmental Toxicity. Inhalation. Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus). Effects on Embryo or Fetus: Fetal death. Specific Developmental Abnormalities: Central nervous system. Specific Developmental Abnormalities: Musculoskeletal system. Specific Developmental Abnormalities: Cardiovascular (circulatory) system. Behavioral: Somnolence (general depressed activity).
 Ames test. Bacteria - Salmonella typhimurium, (OECD Test Guideline 474 male and female. Bone marrow. Epidemiology: Teratogenicity: No data available. Reproductive Effects: Mutagenicity: Neurotoxicity: Other Studies: CAS# 67-63-0: 1. Acute toxicity, TDLo, Oral, Human, 14432. MG/KG. Result:
 Behavioral: Coma. Vascular: BP lowering not charactertized in autonomic section. Lungs, Thorax, or Respiration:Dyspnea. New England Journal of Medicine., Massachusetts Medical Soc., 10 Shattuck St., Boston, MA 02115, Vol/p/yr: 277,699, 1967
 2. Acute toxicity, TDLo, Oral, Human, 223.0 MG/KG. Result: Behavioral: Hallucinations, distorted perceptions. Cardiac:Pulse rate. Vascular: BP lowering not charactertized in autonomic section. Journal of Laboratory and Clinical Medicine., C.V. Mosby Co., 11830 Westline Industrial Dr., St. Louis, MO 63146, Vol/p/yr: 12,326, 1927
 3. Acute toxicity, LDLO, Oral, Human, 3570. MG/KG. Result: Behavioral: Coma. Lungs, Thorax, or Respiration:Respiratory depression. Gastrointestinal:Nausea or vomiting. - "Toxicology of Drugs and Chemicals", Deichmann, W.B., Academic Press, Inc., New York, Vol/p/yr: -,339, 1969
 4. Acute toxicity, LDLO, Route of Application: Unreported., Human, 2770. MG/KG. Result: Biochemical:Enzyme inhibition, induction, or change in blood or tissue levels: Cytochrome oxidases (including oxidative phosphorylation). Poisoning; Toxicology, Symptoms, Treatments, 2nd ed., Arena, J.M., C.C. Thomas, Springfield, IL, Vol/p/yr: 2,73, 1970
5. Acute toxicity, LD50, Oral, Mouse, 3600. MG/KG. Result:



Supersedes Revision: 06/15/2021 Behavioral: Altered sleep time (including change in righting reflex). Behavioral: Somnolence (general depressed activity). Gigiena i Sanitariya, Mezhdunarodnaya Kniga, ul. B. Yakimanka, 39, 113095, Moscow 113095 Russia, Vol/p/yr: 43(1),8, 1978 6. Acute toxicity, LCLO, Inhalation, Mouse, 12800. PPM, 3 H. Result: Maternal Effects: Other effects. - Interagency Collaborative Group on Environmental Carcinogenesis, National Cancer Institute, Memorandum, June 1, Vol/p/yr: 17JU, 1974 7. Acute toxicity, LD50, Intraperitoneal, Mouse, 4477. MG/KG. Result: Skin and Appendages: Skin: After topical exposure: Dermatitis, allergic. - EHP, Environmental Health Perspectives., U.S. Government Printing Office, Supt of Documents, Washington, DC 20402, Vol/p/yr: 61,321, 1985 8. Acute toxicity, LD50, Intravenous, Mouse, 1509. MG/KG. Result: Lungs, Thorax, or Respiration: Fibrosis, focal (pneumoconiosis). Lungs, Thorax, or Respiration:Acute pulmonary edema. - EHP, Environmental Health Perspectives., U.S. Government Printing Office, Supt of Documents, Washington, DC 20402, Vol/p/yr: 61,321, 1985 9. Acute toxicity, LD50, Oral, Species: Rabbit, 6410. MG/KG. Result: Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus). Effects on Newborn: Biochemical and metabolic. - FAO Nutrition Meetings Report Series., Vol/p/yr: 48A,114, 1970 10. Acute toxicity, LD50, Skin, Species: Rabbit, 12800. MG/KG. Result: Specific Developmental Abnormalities: Respiratory system. - Raw Material Data Handbook, Vol.1: Organic Solvents, 1974., National Assoc. of Printing Ink Research Institute, Francis McDonald Sinclair Memorial Labor, Lehigh Univ., Bethlehem, PA 18015, Vol/p/yr: 1,100, 1974 11. Acute toxicity, LD50, Intraperitoneal, Species: Rabbit, 667.0 MG/KG. Result: Specific Developmental Abnormalities: Craniofacial (including nose and tongue). - EHP, Environmental Health Perspectives., U.S. Government Printing Office, Supt of Documents, Washington, DC 20402, Vol/p/yr: 61,321, 1985 12. Acute toxicity, TCLo, Inhalation, Human, 35.00 ppm. Result: Cardiac: Pulse rate decreased with fall in BP. Lungs, Thorax, or Respiration:Other changes. - Neurotoxicology., Intox Press, Inc., POB 34075, Little Rock, AR 72203, Vol/p/yr: 24,179,2003

 Acute toxicity, LDLO, Route of Application: Unreported., Human, 2.000 mL/kg. Result:

Specific Developmental Abnormalities: Central nervous system.

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		Specific Developmental Abnormalitie Specific Developmental Abnormalitie - Japanese Journal of Toxicology, Ya	es: Other dev	elopmental a	abnormalities			
		Kanda, Chiyoda, Tokyo 101 Japan, Vol/p/yr: 12,341, 1999						
		14. Standard Draize Test, Skin, Species: Rabbit, 500.0 MG.						
		Result:						
		Tumorigenic: Carcinogenic by RTECS criteria. Liver: Tumors.						
		Blood: Leukemia.						
		- National Technical Information Serv	vice, Vol/p/yı	r: AD-A106-9	4,			
		15. Standard Draize Test, Eyes, Spe Result:	ecies: Rabbi	t, 100.0 MG.				
		Tumorigenic: Carcinogenic by RTECS criteria. Liver: Tumors.						
		Blood: Leukemia.						
		- American Journal of Ophthalmology., Ophthalmic Pub. Co., 435 N. Michigan Ave., Suite 1415, Chicago, IL 60611, Vol/p/yr: 29,1363, 1946						
Irritation or Corrosion:		Skin corrosion/irritation. Skin. Species: Guinea pig. Result: Mild skin irritation(OECD Test Guideline 404) Eyes. Rabbit.						
		Moderate eye irritation. (OECD Test Guideline 405) No data available. Serious eye						
		damage/eye irritation no data available. Result: Tumorigenic:Tumors at site or						
		application. Mild skin irritation -24 Eyes: No skin irritation . Remarks: (anhydrous substance) (OECD Test Guideline 404 No eye irritation . (OECD Test Guideline 405						
Sensitization	:	No data available. Buehler Test: Spe	-	-				
ocholdzadoll.		Guideline 406)						
Chronic Toxicological		Specific target organ toxicity - single exposure: No data available.						
Effects:		Specific target organ toxicity -repeate	•		•			
		toxicity -single exposure (Globally Ha		• • •	ific target orga	an toxicity		
		-single exposure: May cause respiratory irritation. Inhalation: Oral. May cause drowsiness or dizziness.						
		Acute inhalation toxicity: Central ner						
Carcinogenic	ity/Other	IARC: No component of this product	present at le	evels greater	than or equa	l to 0.1% is		
Information:		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						
		NTP: No component of this product p identified as a known or anticipated of		•	han or equal	to 0.1% is		
		OSHA: No component of this produc	-	•	r than or equa	al to 0.1% is		
		identified as a carcinogen or potentia	•	-	•			
		Possibly carcinogenic to humans (4-Methylpentan-2-one).						
		This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.						
		CAS# 0.1%: Not listed by ACGIH, IA						
CAS #	Hazardous Cor	nponents (Chemical Name)	NTP	IARC	ACGIH	OSHA		
107-87-9	2-Pentanone	· · · · · ·	n.a.	n.a.	n.a.	n.a.		
64-17-5	Ethyl alcohol		n.a.	1	Unknown	n.a.		
108-10-1	Methyl isobutyl ketone		n.a.	2B	n.a.	n.a.		
67-63-0	Isopropyl alcoho		n.a.	3	Unknown	n.a.		
NA (Trade Secret)			n.a.	n.a.	n.a.	n.a.		
3109-63-5	. ,	nium hexafluorophosphate	n.a.	n.a.	n.a.	n.a.		
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108-88-3	Toluene			n.a.	3	Unknown	n.a.
NA	(Trade Secret)			n.a.	n.a.	n.a.	n.a.
		12. E	cological	Information			
General Ecological Information:		No data available. (US-EPA) Environmental: No information available. Physical: No information available. Other: Avoid entering into waters or underground water.					
Results of Pl assessment:		PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.					
Persistence Degradability		Biodegradability aerobic -Exposure time 28 d Result: 70 % -Readily biodegradable. No data available. Biodegradability: Biotic/Aerobic. (OECD Test Guideline 301E					
Bioaccumulative Potential:		No data available	e. No bioaccur	nulation is to be ex	pected (lo	g Pow <= 4).	
Mobility in Soil:		No data available	Э.				
Other advers	se effects:	No data available	Э.				
		13. Dis	sposal Co	nsiderations	;		
		care in igniting as		is highly flammabl	e. Offer su	rplus and non-r	ecyclable
		care in igniting as solutions to a lice disposal service Contaminated pa must determine v EPA guidelines for	s this material ensed disposa to dispose of t ackaging: Disp whether a disc or the classific te generators ete and accura None listed.	is highly flammabl I company. Contac his material. ose of as unused p arded chemical is ation determination must consult state	e. Offer su a license product. Cl classified a n are listec	rplus and non-r d professional v nemical waste g as a hazardous I in 40 CFR Par	recyclable waste generators waste. US rts 261.
		care in igniting as solutions to a lice disposal service Contaminated pa must determine v EPA guidelines for Additionally, was to ensure comple RCRA P-Series: RCRA U-Series:	s this material ensed disposa to dispose of t ackaging: Disp whether a disc or the classific te generators ete and accura None listed. None listed.	is highly flammabl l company. Contac his material. ose of as unused p arded chemical is ation determination must consult state te classification.	e. Offer su a license product. Cl classified a n are listec	rplus and non-r d professional v nemical waste g as a hazardous I in 40 CFR Par	recyclable waste generators waste. US rts 261.
LAND TRAN	SPORT (US DOT	care in igniting as solutions to a lice disposal service Contaminated par must determine v EPA guidelines for Additionally, was to ensure complet RCRA P-Series: RCRA U-Series: 14. T	s this material ensed disposa to dispose of t ackaging: Disp whether a disc or the classific te generators ete and accura None listed. None listed.	is highly flammabl I company. Contac his material. ose of as unused p arded chemical is ation determination must consult state	e. Offer su a license product. Cl classified a n are listec	rplus and non-r d professional v nemical waste g as a hazardous I in 40 CFR Par	recyclable waste generators waste. US rts 261.
		care in igniting as solutions to a lice disposal service Contaminated pa must determine v EPA guidelines for Additionally, was to ensure comple RCRA P-Series: RCRA U-Series: 14. T	s this material ensed disposa to dispose of t ackaging: Disp whether a disc or the classific te generators ete and accura None listed. None listed. ransport	is highly flammabl l company. Contac his material. ose of as unused p arded chemical is ation determination must consult state te classification.	e. Offer su et a license product. Cl classified a n are listed and local	rplus and non-r d professional v nemical waste g as a hazardous I in 40 CFR Par	recyclable waste generators waste. US rts 261.
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DOT Prop DOT Haza UN/NA Nu LAND TRAN TDG Ship UN Numb	er Shipping Nam ard Class: umber: SPORT (Canadia ping Name: er:	care in igniting as solutions to a lice disposal service of Contaminated par must determine w EPA guidelines for Additionally, was to ensure complet RCRA P-Series: RCRA U-Series: RCRA U-Series: 14. T 1210 1210 1210 1210 1210	s this material ensed disposa to dispose of t ackaging: Disp whether a disc or the classific te generators ete and accura None listed. None listed. FLAMMAB	is highly flammabl l company. Contact his material. ose of as unused p arded chemical is ation determination must consult state te classification. Information BLE LIQUID Packing Grou	e. Offer su et a license product. Cl classified a n are listed and local	rplus and non-r d professional w nemical waste g as a hazardous I in 40 CFR Par hazardous was	recyclable waste generators waste. US rts 261.
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MARINE TRANSPORT (IMDG/IMO): IMDG/IMO Shipping Name: Printing ink. Ш 1210 **UN Number: Packing Group:** Hazard Class: 3 - FLAMMABLE LIQUID **IMDG MFAG Number:** Yes Marine Pollutant: AIR TRANSPORT (ICAO/IATA): ICAO/IATA Shipping Name: Printing ink. 1210 Ш **UN Number: Packing Group:** Hazard Class: 3 - FLAMMABLE LIQUID 15. Regulatory Information EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists CAS# Hazardous Components (Chemical Name) S. 302 (EHS) S. 304 RQ S. 313 (TRI) 107-87-9 2-Pentanone No No No 64-17-5 No Ethyl alcohol No No 108-10-1 Methyl isobutyl ketone No Yes NA Yes 67-63-0 Isopropyl alcohol No No Yes NA (Trade Secret) No No No 3109-63-5 Tetrabutylammonium hexafluorophosphate No No No 108-88-3 Toluene Yes NA No Yes NA No (Trade Secret) No 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) [X] Yes [] No Flammable (gases, aerosols, liquid, or solid) [X] Yes [] No Skin Corrosion or Irritation [] Yes [X] No Oxidizer (liquid, solid or gas) [X] Yes [] No Serious eye damage or eye irritation [] Yes [X] No Self-reactive Respiratory or Skin Sensitization [] Yes [X] No [] Yes [X] No Pyrophoric (liquid or solid) [] Yes [X] No Germ cell mutagenicity [] Yes [X] No Pyrophoric gas [X] Yes [] No Carcinogenicity [] Yes [X] No Self-heating [X] Yes [] No Reproductive toxicity [] Yes [X] No Organic peroxide Specific target organ toxicity (single or repeated exposure) [X] Yes [] No [] Yes [X] No Corrosive to metal [] Yes [X] No Aspiration Hazard [] Yes [X] No Gas under pressure (compressed gas) [] Yes [X] No Simple Asphyxiant [] Yes [X] No In contact with water emits flammable gas [X] Yes [] No (Health) Hazard Not Otherwise Classified (HNOC) [] Yes [X] No Combustible Dust (Physical) Hazard Not Otherwise Classified (HNOC) [] Yes [X] No CAS # Hazardous Components (Chemical Name) **Canadian NPRI Canadian Toxic Canadian DSL** 107-87-9 2-Pentanone No No Yes 64-17-5 Ethyl alcohol Yes: Part 5 Yes 108-10-1 Methyl isobutyl ketone Yes: Part 5 No Yes 67-63-0 Yes: Part 5 Yes Isopropyl alcohol NA (Trade Secret) No No No Tetrabutylammonium hexafluorophosphate 3109-63-5 No No No 108-88-3 Toluene Yes: Part 5 No Yes NA (Trade Secret) Yes

California Proposition 65

This product can expose you to chemicals including Methyl isobutyl ketone, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov. This product can expose you to chemicals including (Trade Secret), which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov. This product can expose you to chemicals



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including Toluene and Methanol, which are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
107-87-9	2-Pentanone	TSCA: Inventory
		CA TAC, Title 8: Title 8
64-17-5	Ethyl alcohol	TSCA: Inventory
		CA TAC, Title 8: Title 8
108-10-1	Methyl isobutyl ketone	TSCA: Inventory
		CA PROP.65: Yes: Canc+RDTox.
		CA TAC, Title 8: TAC: Cat. IVa, Title 8
		NC TAP: Yes: NC TAP
67-63-0	Isopropyl alcohol	TSCA: Inventory
		CA TAC, Title 8: TAC: Cat. Ilb, Title 8
NA	(Trade Secret)	
3109-63-5	Tetrabutylammonium hexafluorophosphate	TSCA: Inventory
108-88-3	Toluene	TSCA: Inventory, 8A CAIR, 8C
		CA PROP.65: Yes: RDTox(F)
		CA TAC, Title 8: TAC: Cat. IIa, Title 8
		NC TAP: Yes: NC TAP
NA	(Trade Secret)	TSCA: Inventory
		CA PROP.65: Yes: Canc.
CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
107-87-9	2-Pentanone	Japan ENCS: 2-542
		Germany WHCS: 590: WGK 1
		Switzerland Giftliste 1: G-2529
		REACH: 01-2119988840-24: Full, (P)
64-17-5	Ethyl alcohol	Japan ENCS: 5-153
		Israel HSL: Cat.
		Germany WHCS: 96: WGK 1
		Switzerland Giftliste 1: G-1158 REACH: 01-2119457610-43: Full, (P)
108-10-1	Mathul included katona	Mexico INSQ: 1245
100-10-1	Methyl isobutyl ketone	Japan ENCS: 2-542
		Germany WHCS: 137: WGK 1
		Switzerland Giftliste 1: G-2468
		REACH: 01-2119473980-30: Full, (P)
67-63-0	Isopropyl alcohol	Mexico INSQ: 1219
		Japan ENCS: 2-207
		Japan ISHL: 2-(8)-319
		Israel HSL: Cat.
		Germany WHCS: 135: WGK 1
		Switzerland Giftliste 1: G-1712
		REACH: 01-2119457558-25: Full, (P)
NA	(Trade Secret)	
3109-63-5	Tetrabutylammonium hexafluorophosphate	Japan ENCS: 2-186
		REACH: (P)
108-88-3	Toluene	Mexico INSQ: 1294
		New Zealand IOC: HSR001227
		Japan ENCS: 3-60
		Japan ISHL: 4-(7)-2694
		Germany WHCS: 194: WGK 2
		Switzerland Giftliste 1: G-2063
		REACH: 01-2119471310-51: Full, (P)



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NA (Trade Secret)

Germany WHCS: : WGK 3 REACH: (R): Full, (P), C2

16. Other Information					
Revision Date:	06/30/2021	Previous revision:	06/15/2021		
Hazard Rating System:	HEALTH*2FLAMMABILITY3PHYSICAL0				
HMIS:	PPE B				
Additional Information AboutTo the best of our knowledge, the information contained herein is accurate. However,This Product:neither the above named supplier nor any of its subsidiaries assumes any liability					

neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information presented in this document. Final determination of suitability of any material is the sole responsibility of the user to follow local, state and federal laws and regulations in regards to handling of hazardous materials. Although certain hazards are described herein, unknown hazards may exist and caution should always be exercised.

Hitachi Contact Information: Christian Krzykwa (980)500-7144