

1. Product and Company Identification

Product Name: JP-T312-FT
Company Name: Hitachi Industrial Equipment & Solutions America, LLC
Phone Number: (866)583-0048
2730 Greenleaf Avenue
Elk Grove Village, IL 60007
Web site address: <http://www.hitachi-america.us/ice/markings-and-coding>
Emergency Contact: Chemtrec (800)424-9300
Information: Christian Krzykwa (980)500-7144
Intended Use: Printing ink

2. Hazards Identification

Serious Eye Damage/Eye Irritation, Category 1

Flammable Liquids, Category 2

Skin Corrosion/Irritation, Category 1C



GHS Signal Word: **Danger**

GHS Hazard Phrases:
H225 - Highly flammable liquid and vapor.
H314 - Causes severe skin burns and eye damage.
H318 - Causes serious eye damage.

GHS Precaution 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.
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P264 - Wash hands thoroughly after handling.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases:
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
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.
P310 - Immediately call a POISON CENTER or doctor/physician.
P321 - Specific treatment see ... on this label.
P363 - Wash contaminated clothing before reuse.
P391 - Collect spillage.

GHS Storage and Disposal Phrases:
P403+235 - Store in cool/well-ventilated place.
P405 - Store locked up.
P501 - Dispose of contents/container ...

Potential Health Effects (Acute and Chronic):	Hazards not otherwise classified (HNOC) or not covered by GHS. Repeated eye exposure may cause visual abnormalities including blurred vision and photosensitivity. Chronic exposure may cause blood effects.
Inhalation:	Causes respiratory tract irritation. Inhalation of vapors may cause nausea, vomiting, dizziness, and loss of consciousness. Material is irritating to mucous membranes and upper respiratory tract. Harmful if inhaled. May cause narcotic effects in high concentration. Exposure causes central nervous system depression with possible headache, dizziness, and drowsiness. May cause lung hemorrhage, blood disturbances, and liver and kidney abnormalities.
Skin Contact:	Causes skin irritation. Skin Absorption: May be harmful if absorbed through the skin. Repeated or prolonged exposure may cause drying and cracking of the skin. Prolonged and/or repeated contact may cause defatting of the skin and dermatitis.
Eye Contact:	Causes eye irritation. May result in corneal injury. Risk of serious damage to eyes. Vapors appear to cause a special vacuolar keratopathy in humans.
Ingestion:	May cause irritation of the digestive tract. May cause unconsciousness. May cause headache, nausea, fatigue, and dizziness. Will not occur. May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause central nervous system depression. Harmful if swallowed. Aspiration hazard. May cause liver damage. Aspiration of material into the lungs may cause chemical pneumonitis, which may be fatal.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
107-87-9	2-Pentanone	30.0 -60.0 %
64-17-5	Ethyl alcohol	10.0 %
NA	Quaternary ammonium compounds, C12-14 (even-numbered) -alkylethyldimethyl, ethyl sulphates	5.0 -10.0 %
108-10-1	Methyl isobutyl ketone	1.0 -5.0 %
109-60-4	Propyl acetate	1.0 -5.0 %
71-36-3	n-Butyl alcohol	1.0 -5.0 %
67-63-0	Isopropyl alcohol	1.0 -5.0 %
1330-20-7	Xylene (mixed isomers)	1.0 -5.0 %
100-41-4	Ethylbenzene	< 0.5 %
108-95-2	Phenol	< 0.5 %

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:	Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation. Consult a physician.
In Case of Skin Contact:	Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Wash off with soap and plenty of water. Consult a physician. In case of contact, immediately wash skin with soap and copious amounts of water.
In Case of Eye Contact:	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
In Case of Ingestion:	Never give anything by mouth to an unconscious person. Get medical aid. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Rinse mouth with water. Consult a physician. If swallowed, wash out mouth with water provided person is conscious. Call a physician.
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 Contact with eyes can cause redness, tearing, and blurred vision. Prolonged or repeated contact with skin can cause defatting and dermatitis. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Note to Physician:	Treat symptomatically and supportively.

5. Fire Fighting Measures

Flash Pt:	> 7.00 C (44.6 F) Method Used: Estimate
Explosive Limits:	LEL: UEL:
Autoignition Pt:	> 340.00 C (644.0 F)
Suitable Extinguishing Media:	Water may be ineffective. Suitable: For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Use foam, dry chemical, or carbon dioxide.
Fire Fighting Instructions:	Flammable liquid and vapor. Vapors can spread along the ground and collect in low or confined areas. Wear self contained breathing apparatus for fire fighting if necessary. Further information. Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Flammable Liquid. Emits toxic fumes under fire conditions. Containers may explode in the heat of a fire. Use water spray to keep fire-exposed containers cool.
Flammable Properties and Hazards:	Carbon oxides, EXPLOSION HAZARDS. Vapor may travel considerable distance to source of ignition and flash back. Container explosion may occur under fire conditions. Forms explosive mixtures in air.
Hazardous Combustion Products:	

6. Accidental Release Measures

Protective Precautions, Protective Equipment and Emergency 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.
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.
Steps To Be Taken In Case Material Is Released Or Spilled:	<p>Use proper personal protective equipment as indicated in Section 8.</p> <p>Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Clean up spills immediately, observing precautions in the Protective Equipment section. Use a spark-proof tool. Provide ventilation. 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). PROCEDURE TO BE FOLLOWED IN CASE OF LEAK OR SPILL. Evacuate area. Shut off all sources of ignition.</p> <p>Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves. Methods for cleaning up.</p> <p>Cover with dry-lime, sand, or soda ash. Place in covered containers using non-sparking tools and transport outdoors. Ventilate area and wash spill site after material pickup is complete. Wear a self contained breathing apparatus and appropriate personal protection. (See Exposure Controls, Personal Protection section). Do not let this chemical enter the environment.</p>

7. Handling and Storage

Precautions To Be Taken in Handling:	Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Ground and bond containers when transferring material. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Take precautionary measures against static discharges. Keep container tightly closed. Keep away from heat, sparks and flame. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Avoid contact with skin and eyes. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. Avoid breathing vapor. Avoid prolonged or repeated exposure. Use spark-proof tools and explosion proof equipment. Do not ingest or inhale. Use only in a chemical fume hood. Avoid contact with skin and eyes. Avoid ingestion and inhalation.
Precautions To Be Taken in Storing:	Keep away from sources of ignition. Store in a cool, dry place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Recommended storage temperature: -20 - -10 deg.C. Handle and store under inert gas. Suitable: Keep container closed. Keep away from heat, sparks, and open flame.
	Unsuitable: May form peroxides on contact with air. Hygroscopic.

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	
64-17-5	Ethyl alcohol	PEL: 1000 ppm	TLV: 1000 ppm STEL: 1000 ppm	
NA	Quaternary ammonium compounds, C12-14 (even-numbered)			

	-alkylethyldimethyl, ethyl sulphates		
108-10-1	Methyl isobutyl ketone	PEL: 100 ppm	TLV: 20 ppm STEL: 75 ppm
109-60-4	Propyl acetate	PEL: 200 ppm	TLV: 200 ppm STEL: 250 ppm
71-36-3	n-Butyl alcohol	PEL: 100 ppm	TLV: 20 ppm
67-63-0	Isopropyl alcohol	PEL: 400 ppm	TLV: 200 ppm STEL: 400 ppm
1330-20-7	Xylene (mixed isomers)	PEL: 100 ppm	TLV: 100 ppm STEL: 150 ppm
100-41-4	Ethylbenzene	PEL: 100 ppm	TLV: 20 ppm STEL: 125 ppm
108-95-2	Phenol	PEL: 5 ppm	TLV: 5 ppm
Respiratory Equipment (Specify Type):	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. 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). Hand: Compatible chemical-resistant gloves.		
Eye Protection:	Wear chemical splash goggles. 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). Chemical safety goggles. Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.		
Protective Gloves:	Wear appropriate protective gloves to prevent skin exposure. 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: 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: Fluorinated rubber. Minimum layer thickness: 0.7 mm Break through time: 480 min. Minimum layer thickness: 0.4 mm Break through time: 480 min.		
Other Protective Clothing:	Wear appropriate protective clothing to prevent skin exposure. 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.):	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Ventilation fans and other electrical service must be non-sparking and have an explosion-proof design. Safety shower and eye bath. Use nonsparking tools. Mechanical exhaust required. Use explosion-proof ventilation equipment. Use only under a chemical fume hood.		
Work/Hygienic/Maintenance Practices:	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Wash thoroughly after handling. Wash contaminated clothing before reuse.		
	EXPOSURE LIMITS, RTECS. Country Source Type Value. USA ACGIH STEL 75 PPM USA ACGIH TWA 50 PPM		

USA MSHA Standard-air TWA 100 PPM (410 MG/M3)
USA OSHA. PEL 8H TWA 100 PPM (410 MG/M3)
USA NIOSH TWA 50 PPM
STEL 75 PPM
EXPOSURE LIMITS.
Poland NDS 83
Poland NDSCh 200
Poland NDSP -

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: colored.
characteristic odor.
pH:
Melting Point: -95.00 C (-139.0 F) - 129.10 C (264.4 F)
Boiling Point: 82.00 C (179.6 F) - 140.00 C (284.0 F)
Flash Pt: > 7.00 C (44.6 F) Method Used: Estimate
Evaporation Rate:
Flammability (solid, gas):
Explosive Limits: LEL: UEL:
Vapor Pressure (vs. Air or mm Hg):
Vapor Density (vs. Air = 1):
Specific Gravity (Water = 1):
Density: ~ 0.810 g/mL
Solubility in Water:
Solubility Notes: SOLUBLE IN ALCOHOL, ETHER.
ACETONE, BENZENE CHLOR.
Octanol/Water Partition Coefficient:
Autoignition Pt: > 340.00 C (644.0 F)
Decomposition Temperature:
Viscosity:

10. Stability and Reactivity

Stability: Unstable [] Stable [X]
Conditions To Avoid - Instability: Ignition sources. Excess heat. Heat, flames and sparks. Extremes of temperature and direct sunlight. May form peroxides on contact with air. Materials to Avoid: Oxidizing agents, Strong bases,

HAZARDOUS DECOMPOSITION PRODUCTS. Incompatible materials, High temperatures.
Incompatibility - Materials To Avoid: Reducing agents, Strong bases, Strong oxidizing agents, Alkali metals, Ammonia, Peroxides, acids, Bases, Aluminum, chromium trioxide, Acid chlorides, Copper, Copper alloys, Acid anhydrides, Halogenated compounds, Acids.
Hazardous Decomposition or Byproducts: Carbon monoxide, Other decomposition products: No data available. In the event of fire: see section 5. Carbon dioxide.
Possibility of Hazardous Will occur [] Will not occur [X]

Reactions:

Conditions To Avoid - Hazardous Reactions: Vapors may form explosive mixture with air.

11. Toxicological Information

Toxicological Information: Epidemiology: No information found.
Reproductive Effects: Neurotoxicity: No data available.
Reproductive toxicity. Aspiration hazard: Teratogenicity: No data available.
Other Studies:

Irritation or Corrosion: Skin corrosion/irritation. No data available.
Serious eye damage/eye irritation: Provide adequate ventilation.
Result: Eyes - rabbit -
Skin irritation -24.

Sensitization: No data available.

Chronic Toxicological Effects: Specific target organ toxicity - single exposure: No data available.
Specific target organ toxicity - repeated exposure: Inhalation. Oral. May cause drowsiness or dizziness.

Carcinogenicity/Other Information: CAS# 107-87-9: Not listed by ACGIH, IARC, NTP, or CA Prop 65. 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. CAS# 109-60-4: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 71-36-3: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS #	Hazardous Components (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	A4	n.a.
NA	Quaternary ammonium compounds, C12-14 (even-numbered) -alkylethyldimethyl, ethyl sulphates	n.a.	n.a.	n.a.	n.a.
108-10-1	Methyl isobutyl ketone	n.a.	2B	n.a.	n.a.
109-60-4	Propyl acetate	n.a.	n.a.	n.a.	n.a.
71-36-3	n-Butyl alcohol	n.a.	n.a.	n.a.	n.a.
67-63-0	Isopropyl alcohol	n.a.	3	A4	n.a.
1330-20-7	Xylene (mixed isomers)	n.a.	3	A4	n.a.
100-41-4	Ethylbenzene	n.a.	2B	A3	n.a.
108-95-2	Phenol	n.a.	3	A4	n.a.

12. Ecological Information

General Ecological Information: Environmental: Terrestrial: Expected to have high mobility in soil. Volatilization is expected from moist soil surfaces. Aquatic: Not expected to adsorb into suspended solids or sediments. Expected to volatilize from water surfaces. Atmospheric: Expected to exist solely as a vapor in the ambient atmosphere. Vapor-phase is degraded in the atmosphere by reaction with photochemically-produced hydroxyl radicals. Half-life approximately 5 days. Expected to slightly biodegrade and bioconcentrate.
Physical: No information available.
No information available.

Results of PBT and vPvB assessment: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life.

13. Disposal Considerations

Waste Disposal Method: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.
RCRA U-Series: None listed. Product:

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging: APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION. Observe all federal, state, and local environmental regulations.

RCRA U-Series:
CAS# 71-36-3: waste number U031 (Ignitable waste).

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]

DOT Hazard Class: 3 FLAMMABLE LIQUID

UN/NA Number: UN1210 **Packing Group:** II



LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: METHYL PROPYL KETONE. N-PROPYL ACETATE. BUTANOLS.

UN Number: 1210 **Packing Group:** II

Hazard Class: 3 - FLAMMABLE LIQUID **TDG Classification:**

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	Ethyl alcohol	No	No	No
NA	Quaternary ammonium compounds, C12-14 (even-numbered) -alkylethyldimethyl, ethyl sulphates	No	No	No
108-10-1	Methyl isobutyl ketone	No	Yes 5000 LB	Yes
109-60-4	Propyl acetate	No	No	No
71-36-3	n-Butyl alcohol	No	Yes 5000 LB	Yes
67-63-0	Isopropyl alcohol	No	No	Yes
1330-20-7	Xylene (mixed isomers)	No	Yes 100 LB	Yes
100-41-4	Ethylbenzene	No	Yes 1000 LB	Yes
108-95-2	Phenol	Yes 500 LB	Yes 1000 LB	Yes

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Explosive	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Acute toxicity (any route of exposure)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Flammable (gases, aerosols, liquid, or solid)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Skin Corrosion or Irritation
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Oxidizer (liquid, solid or gas)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Serious eye damage or eye irritation
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Self-reactive	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Respiratory or Skin Sensitization
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Pyrophoric (liquid or solid)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Germ cell mutagenicity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Pyrophoric gas	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Carcinogenicity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Self-heating	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Reproductive toxicity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Organic peroxide	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Specific target organ toxicity (single or repeated exposure)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Corrosive to metal	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Aspiration Hazard
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Gas under pressure (compressed gas)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Simple Asphyxiant
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No In contact with water emits flammable gas	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Health) Hazard Not Otherwise Classified (HNOC)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Combustible Dust	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Physical) Hazard Not Otherwise Classified (HNOC)	

California Proposition 65



WARNING

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 Ethylbenzene, which is known to the State of California to cause cancer. 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: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8; NC TAP: No
64-17-5	Ethyl alcohol	TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8; NC TAP: No
NA	Quaternary ammonium compounds, C12-14 (even-numbered) -alkylethyldimethyl, ethyl sulphates	TSCA: No; CA PROP.65: No; CA TAC, Title 8: No; NC TAP: No
108-10-1	Methyl isobutyl ketone	TSCA: Yes - Inventory; CA PROP.65: Yes: Canc+RDTox.; CA TAC, Title 8: TAC: Cat. IVa, Title 8; NC TAP: Yes: NC TAP
109-60-4	Propyl acetate	TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8; NC TAP: No
71-36-3	n-Butyl alcohol	TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC: Cat. IVb, Title 8; NC TAP: No
67-63-0	Isopropyl alcohol	TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC: Cat. IIb, Title 8; NC TAP: No
1330-20-7	Xylene (mixed isomers)	TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC: Cat. IIa, Title 8; NC TAP: Yes: NC TAP
100-41-4	Ethylbenzene	TSCA: Yes - Inventory; CA PROP.65: Yes: Canc.; CA TAC, Title 8: TAC: Cat. IIa, Title 8; NC TAP: Yes: US HAP
108-95-2	Phenol	TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC: Cat. IIa, Title 8; NC TAP: Yes: NC TAP

CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
107-87-9	2-Pentanone	Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: Yes; Australia ICS: Yes; New Zealand IOC: Yes; Japan ENCS: Yes - 2-542; Japan ISHL: No; Israel HSL: No; Germany WHCS: Yes - 590: WGK 1; Switzerland Giftliste 1: Yes - G-2529; Switzerland INNS: No; REACH: Yes - 01-2119988840-24: Full, (P); Rotterdam: No
64-17-5	Ethyl alcohol	Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: Yes; Australia ICS: Yes; New Zealand IOC: Yes; Japan ENCS: Yes - 5-153; Japan ISHL: 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); Rotterdam: No

NA	Quaternary ammonium compounds, C12-14 (even-numbered) -alkylethyldimethyl, ethyl sulphates	Canadian DSL: No; Canadian NDSL: No; Mexico INSQ: No; Australia ICS: No; New Zealand IOC: No; Japan ENCS: No; Japan ISHL: No; Israel HSL: No; Germany WHCS: No; Switzerland Giftliste 1: No; Switzerland INNS: No; REACH: No; Rotterdam: No
108-10-1	Methyl isobutyl ketone	Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: Yes - 1245; Australia ICS: Yes; New Zealand IOC: Yes; Japan ENCS: Yes - 2-542; Japan ISHL: No; Israel HSL: No; Germany WHCS: Yes - 137: WGK 1; Switzerland Giftliste 1: Yes - G-2468; Switzerland INNS: No; REACH: Yes - 01-2119473980-30: Full, (P); Rotterdam: No
109-60-4	Propyl acetate	Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: Yes - 1276; Australia ICS: Yes; New Zealand IOC: Yes; Japan ENCS: Yes - 2-727; Japan ISHL: No; Israel HSL: No; Germany WHCS: Yes - 178: WGK 1; Switzerland Giftliste 1: Yes - G-2793; Switzerland INNS: No; REACH: Yes - 01-2119484620-39: Full, (P); Rotterdam: No
71-36-3	n-Butyl alcohol	Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: Yes; Australia ICS: Yes; New Zealand IOC: Yes; Japan ENCS: Yes - 7-321; Japan ISHL: Yes - 2-(8)-299; Israel HSL: Yes - Cat.; Germany WHCS: Yes - 39: WGK 1; Switzerland Giftliste 1: Yes - G-1321; Switzerland INNS: No; REACH: Yes - 01-2119484630-38: Full, (P); Rotterdam: No
67-63-0	Isopropyl alcohol	Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: Yes - 1219; Australia ICS: Yes; New Zealand IOC: Yes; Japan ENCS: Yes - 2-207; Japan ISHL: Yes - 2-(8)-319; 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); Rotterdam: No
1330-20-7	Xylene (mixed isomers)	Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: Yes; Australia ICS: Yes; New Zealand IOC: Yes; Japan ENCS: Yes - 3-60; Japan ISHL: No; Israel HSL: No; Germany WHCS: Yes - 206: WGK 2; Switzerland Giftliste 1: Yes - G-2020; Switzerland INNS: No; REACH: Yes - 01-2119488216-32: Full, (P); Rotterdam: No
100-41-4	Ethylbenzene	Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: Yes - 1175; Australia ICS: Yes; New Zealand IOC: Yes; Japan ENCS: Yes - 3-60; Japan ISHL: No; Israel HSL: No; Germany WHCS: Yes - 99: WGK 1; Switzerland Giftliste 1: Yes - G-1165; Switzerland INNS: No; REACH: Yes - 01-2119489370-35: Full, (P); Rotterdam: No
108-95-2	Phenol	Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: Yes; Australia ICS: Yes; New Zealand IOC: Yes; Japan ENCS: Yes - 3-481; Japan ISHL: No; Israel HSL: No; Germany WHCS: Yes - 170: WGK 2; Switzerland Giftliste 1: Yes - G-2713; Switzerland INNS: No; REACH: Yes - 01-2119471329-32: Full, (P); Rotterdam: No

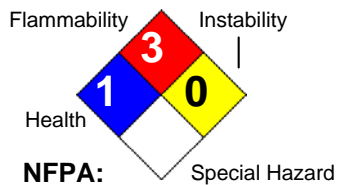
16. Other Information

Revision Date: 09/07/2018

Hazard Rating System:

HEALTH		1
FLAMMABILITY		3
PHYSICAL		0
PPE		X

HMIS:



Additional Information About

This Product:

Company Policy or

Disclaimer: