

**1. Product and Company Identification**

|                           |                                                                       |                      |
|---------------------------|-----------------------------------------------------------------------|----------------------|
| <b>Product Name:</b>      | JP-T75                                                                |                      |
| <b>Company Name:</b>      | Hitachi Industrial Equipment & Solutions America, LLC                 | <b>Phone Number:</b> |
|                           | 75 NW Point Blvd Suite D,<br>Elk Grove Village, IL 60007              | (800)627-5464        |
| <b>Web site address:</b>  | <a href="https://mc.hitachi-iesa.com">https://mc.hitachi-iesa.com</a> |                      |
| <b>Emergency Contact:</b> | Chemtrec                                                              | (800)424-9300        |
| <b>Intended Use:</b>      | Printing ink                                                          |                      |

**2. Hazards Identification**

Flammable Liquids, Category 2

Acute Toxicity: Oral, Category 4

Skin Corrosion/Irritation, Category 2

Serious Eye Damage/Eye Irritation, Category 1

Germ Cell Mutagenicity, Category 2

**GHS Signal Word:****Danger****GHS Hazard Phrases:**

H225 - Highly flammable liquid and vapor.  
 H302 - Harmful if swallowed.  
 H315 - Causes skin irritation.  
 H318 - Causes serious eye damage.  
 H341 - Suspected of causing genetic defects.

**GHS Precaution 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.  
 P242 - Use only non-sparking tools.  
 P243 - Take precautionary measures against static discharge.  
 P264 - Wash hands thoroughly after handling.  
 P270 - Do not eat, drink or smoke when using this product.  
 P273 - Avoid release to the environment.  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.

**GHS Response Phrases:**

P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
 P302+352 - IF ON SKIN: Wash with plenty of soap and water.  
 P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.  
 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.  
 P310 - Immediately call a POISON CENTER or doctor/physician.  
 P321 - Specific treatment see ... on this label.  
 P330 - Rinse mouth.  
 P332+313 - If skin irritation occurs, get medical advice/attention.  
 P362 - Take off contaminated clothing and wash before re-use.

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>GHS Storage and Disposal Phrases:</b>             | P403+235 - Store in cool/well-ventilated place.<br>P405 - Store locked up.<br>P501 - Dispose of contents/container ...                                                                                                                                                                                                                                                                                                      |
| <b>Potential Health Effects (Acute and Chronic):</b> | Chronic: Prolonged or repeated skin contact may cause dermatitis. Prolonged or repeated exposure may cause nausea, dizziness, and headache. Hazards not otherwise classified (HNOC) or not covered by GHS. None.<br>Prolonged or repeated skin contact may cause defatting and dermatitis. Chronic exposure may cause blood effects.                                                                                        |
| <b>Inhalation:</b>                                   | Causes respiratory tract irritation. Inhalation of high concentrations may cause narcotic effects. May be harmful if inhaled. 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. Inhalation of vapors may cause drowsiness and dizziness. |
| <b>Skin Contact:</b>                                 | Causes skin irritation. May be harmful if absorbed through the skin. May cause skin irritation.<br><br>Skin Absorption: May be harmful if absorbed through the skin. Repeated or prolonged exposure may cause drying and cracking of the skin.                                                                                                                                                                              |
| <b>Eye Contact:</b>                                  | Causes eye irritation.                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Ingestion:</b>                                    | May cause irritation of the digestive tract. May cause unconsciousness. May be harmful if swallowed. 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.                                                                                                                             |

### 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 -30.0 %  |
| 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 %    |
| 108-95-2 | Phenol                                                                                     | 1.0 -5.0 %    |
| 71-36-3  | n-Butyl alcohol                                                                            | 1.0 -5.0 %    |
| 109-60-4 | Propyl acetate                                                                             | 1.0 -5.0 %    |
| 67-63-0  | Isopropyl alcohol                                                                          | 1.0 -5.0 %    |

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation. If breathed in, move person into fresh air. Consult a physician. If inhaled, remove to fresh air.

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.

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 contact, immediately flush eyes with copious amounts of water for at least 15 minutes. Flush eyes with water as a precaution.

Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. 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.

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.

Treat symptomatically and supportively.

> 7.00 C (44.6 F)    Method Used: Estimate

LEL: UEL:

425.00 C (797.0 F)

**Suitable Extinguishing Media:** Use water spray to cool fire-exposed containers. Water may be ineffective. Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam. Suitable: For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. 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. Cool all affected containers with flooding quantities of water. Use foam, dry chemical, or carbon dioxide.

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Flammable liquid and vapor. Vapors are heavier than air and may travel to a source of ignition and flash back. 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. Vapors may form explosive mixtures with air. Vapors can travel to a source of ignition and flash back. Will burn if involved in a fire. Containers may explode in the heat of a fire.

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. Methods and materials for containment and cleaning up: 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).

**Steps To Be Taken In Case  
Material Is Released Or  
Spilled:**

Use proper personal protective equipment as indicated in Section 8.  
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. Remove all sources of ignition. 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.  
**PROCEDURE(S) OF PERSONAL PRECAUTION(S)**  
Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves. Methods for cleaning up.  
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. Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal. Wear a self contained breathing apparatus and appropriate personal protection. (See Exposure Controls, Personal Protection section). Do not let this chemical enter the environment.

**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. Avoid contact with eyes, skin, and clothing. 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 breathing dust, mist, or vapor. 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. User Exposure: Avoid breathing vapor. Avoid prolonged or repeated exposure. Use spark-proof tools and explosion proof equipment. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Use only in a chemical fume hood.

**Precautions To Be Taken in  
Storing:**

Keep away from sources of ignition. Store in a cool, dry place. Store in a tightly closed container. 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. Store under inert gas. Hydrolyses readily. 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<br>STEL: 150 ppm   |              |
| 64-17-5  | Ethyl alcohol                                                                              | PEL: 1000 ppm | TLV: 1000 ppm<br>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<br>STEL: 75 ppm     |              |
| 108-95-2 | Phenol                                                                                     | PEL: 5 ppm    | TLV: 5 ppm                      |              |
| 71-36-3  | n-Butyl alcohol                                                                            | PEL: 100 ppm  | TLV: 20 ppm                     |              |
| 109-60-4 | Propyl acetate                                                                             | PEL: 200 ppm  | TLV: 200 ppm<br>STEL: 250 ppm   |              |
| 67-63-0  | Isopropyl alcohol                                                                          | PEL: 400 ppm  | TLV: 200 ppm<br>STEL: 400 ppm   |              |

### Respiratory Equipment (Specify Type):

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. 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). Hand: Compatible chemical-resistant gloves. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

### 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:

Material: Nitrile rubber Minimum layer thickness: 0.4 mm.

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 Protective Clothing:

Wear appropriate protective clothing to prevent skin exposure. Impervious clothing. Flame retardant antistatic 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.

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Engineering Controls<br/>(Ventilation etc.):</b> | 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.                  |
| <b>Work/Hygienic/Maintenance Practices:</b>         | 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.<br><br>EXPOSURE LIMITS, RTECS.<br>Country Source Type Value.<br>USA ACGIH STEL 75 PPM<br>USA ACGIH TWA 50 PPM<br>USA MSHA Standard-air TWA 100 PPM (410 MG/M3)<br>USA OSHA. PEL 8H TWA 100 PPM (410 MG/M3)<br>USA NIOSH TWA 50 PPM<br>STEL 75 PPM<br>EXPOSURE LIMITS.<br>Poland NDS 83<br>Poland NDSCh 200<br>Poland NDSP - |
| <b>Environmental Exposure Controls:</b>             | Prevent further leakage or spillage if safe to do so. Do not let product enter drains.                                                                                                                                                                                                                                                                                                                                                                                                                                          |

## 9. Physical and Chemical Properties

|                                           |                                                       |
|-------------------------------------------|-------------------------------------------------------|
| <b>Physical States:</b>                   | [ ] Gas [ X ] Liquid [ ] Solid                        |
| <b>Appearance and Odor:</b>               | colored.<br>characteristic odor.                      |
| <b>pH:</b>                                |                                                       |
| <b>Melting Point:</b>                     | -95.00 C (-139.0 F) - 129.10 C (264.4 F)              |
| <b>Boiling Point:</b>                     | 82.00 C (179.6 F) - 118.00 C (244.4 F)                |
| <b>Flash Pt:</b>                          | > 7.00 C (44.6 F) Method Used: Estimate               |
| <b>Evaporation Rate:</b>                  |                                                       |
| <b>Flammability (solid, gas):</b>         |                                                       |
| <b>Explosive Limits:</b>                  | LEL: UEL:                                             |
| <b>Vapor Pressure (vs. Air or mm Hg):</b> |                                                       |
| <b>Vapor Density (vs. Air = 1):</b>       |                                                       |
| <b>Specific Gravity (Water = 1):</b>      |                                                       |
| <b>Density:</b>                           | ~ 0.829 g/mL                                          |
| <b>Solubility in Water:</b>               |                                                       |
| <b>Solubility Notes:</b>                  | SOLUBLE IN ALCOHOL, ETHER.<br>ACETONE, BENZENE CHLOR. |

**Octanol/Water Partition****Coefficient:****Autoignition Pt:** 425.00 C (797.0 F)**Decomposition Temperature:****Viscosity:****10. Stability and Reactivity****Stability:** Unstable [ ] Stable [ X ]**Conditions To Avoid -** Ignition sources. Excess heat. Heat, flames and sparks. Extremes of temperature and  
**Instability:** direct sunlight. May form peroxides on contact with air. Materials to Avoid: Oxidizing agents, Strong bases,

HAZARDOUS DECOMPOSITION PRODUCTS. Incompatible materials.

**Incompatibility - Materials To** Reducing agents, Strong bases, Strong oxidizing agents, Oxidizing agents, Alkali metals,  
**Avoid:** Ammonia, Peroxides, No data available.

Bases, Strong acids, Halogens, acids, Acid anhydrides, Aluminum, Halogenated compounds, Acids.

**Hazardous Decomposition or** Carbon monoxide, Other decomposition products: No data available. In the event of fire:  
**Byproducts:** see section 5. Carbon dioxide.**Possibility of Hazardous** Will occur [ ] Will not occur [ X ]  
**Reactions:****Conditions To Avoid -** Vapors may form explosive mixture with air.**Hazardous Reactions:****11. Toxicological Information****Toxicological Information:** Epidemiology: No information found.  
Teratogenicity: No information available. Reproductive Effects: Mutagenicity:  
Neurotoxicity: Germ cell mutagenicity: No data available.  
Reproductive toxicity. Aspiration hazard: Specific target organ toxicity - single exposure:  
Specific target organ toxicity - repeated exposure:**Irritation or Corrosion:** Skin corrosion/irritation. No data available.  
Serious eye damage/eye irritation: Provide adequate ventilation.  
Result: Mild eye irritation Serious eye damage/eye irritation Eyes -rabbit. Eyes - rabbit -  
Result: Eye irritation - 24 h.**Sensitization:** No data available.**Chronic Toxicological** Specific target organ toxicity - single exposure: No data available.  
**Effects:** Specific target organ toxicity - repeated exposure: Inhalation. Oral. May cause drowsiness or dizziness.**Carcinogenicity/Other** CAS# 107-87-9: Not listed by ACGIH, IARC, NTP, or CA Prop 65. IARC: No component  
**Information:** 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. IARC: 2B - Group 2B: Possibly carcinogenic to humans 3. IARC: 3 -Group 3: Not classifiable as to its carcinogenicity to humans. NTP: Reasonably anticipated to be a human carcinogen Iron-Dextran. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. CAS# 109-60-4: Not listed by ACGIH, IARC, NTP, or CA Prop 65. 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 #    | 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) -alkylethylidimethyl, ethyl sulphates | n.a. | n.a. | n.a.  | n.a. |
| 108-10-1 | Methyl isobutyl ketone                                                                      | n.a. | 2B   | n.a.  | n.a. |
| 108-95-2 | Phenol                                                                                      | n.a. | 3    | A4    | n.a. |
| 71-36-3  | n-Butyl alcohol                                                                             | n.a. | n.a. | n.a.  | n.a. |
| 109-60-4 | Propyl acetate                                                                              | n.a. | n.a. | n.a.  | n.a. |
| 67-63-0  | Isopropyl alcohol                                                                           | 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.

### Results of PBT and vPvB assessment:

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

## 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.

## 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.  
**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          |
| 108-95-2 | Phenol                                                                                     | Yes 500 LB   | Yes 1000 LB | Yes          |
| 71-36-3  | n-Butyl alcohol                                                                            | No           | Yes 5000 LB | Yes          |
| 109-60-4 | Propyl acetate                                                                             | No           | No          | No           |
| 67-63-0  | Isopropyl alcohol                                                                          | No           | No          | 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 checked="" type="checkbox"/> Yes <input 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 checked="" type="checkbox"/> Yes <input 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](http://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 |
| 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               |
| 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                        |
| 109-60-4 | Propyl acetate                                                                             | TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8; NC TAP: No                                       |

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|              |                                                                                            |                                                                                                                                                                                                                                                                                                                                             |
|--------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 67-63-0      | Isopropyl alcohol                                                                          | TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC: Cat. IIb, Title 8; NC TAP: No                                                                                                                                                                                                                                                  |
| <b>CAS #</b> | <b>Hazardous Components (Chemical Name)</b>                                                | <b>International Regulatory Lists</b>                                                                                                                                                                                                                                                                                                       |
| 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                      |
| 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                             |
| 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         |
| 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                      |
| 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 |

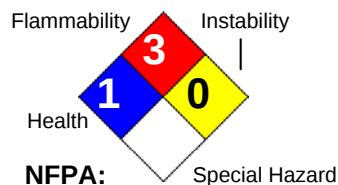
**16. Other Information**

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Hazard Rating System:

|              |  |   |
|--------------|--|---|
| HEALTH       |  | 1 |
| FLAMMABILITY |  | 3 |
| PHYSICAL     |  | 0 |
| PPE          |  | B |

HMIS:

Additional Information About  
This Product:Company Policy or  
Disclaimer: