XEROX Material Safety Data Sheet

Supplier:
Xerox Corporation
Rochester
NY 14644

Telephone #s:
Safety Information: (800) 828-6571
Health Emergency: (716)422-2177
Transportation Emergency:(716)422-1230

Section I Product Identification

Trade Names/Synonyms:
ECP-Yellow Toner Concentrate for ECP 42
Part No.:
4802.16, 4T-214-16

Chemical Name:
None

WHMIS status:
Class B/Div 3, Combustible liquid and Class D/Div 2B, Toxic

Ingredients (% by wt)\(^1,2\)

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isoparaffinic hydrocarbon solvent (80.90%)</td>
<td>64742-48-9</td>
</tr>
<tr>
<td>Polymer</td>
<td>Trade Secret 3</td>
</tr>
<tr>
<td>Pigment</td>
<td>Trade Secret 3</td>
</tr>
</tbody>
</table>

Section II - Emergency and First Aid

Primary Route of Entry:
Inhalation

Eyes:
Flush with water for 15 minutes. If irritation persist, call a physmm skin.

Wash with soap and water. If skin is broken, call a physmm.

Inhalation:
Remove from exposure

Ingestion:
DO NOT induce vomiting, call a physmm immediately

symptoms of Overexposure:
High vapor concentrations (>1000 ppm) are irritating to the eyes and respiratory tract, and may cause headaches, dizziness, anesthetic effects, dryness, unconsciousness, and other central nervous system effects, including fatality.

Medical Conditions Generally Aggravated by Exposure:
Skin contact may aggravate an existing dermatitis.

Additional Information:
None

Section III Toxicology and Health Information

This material has been evaluated by Xerox Corporation. The toxicity data noted below is for isoparaffinic hydrocarbons and similar inks.

Oral LD\(_{50}\):
>10 g/kg (rat) practically non-toxic

Dermal LD\(_{50}\):
>32 g/kg (rabbit) practically non-toxic

Inhalation LC\(_{50}\):
>2000 ppm/4 hr (rat), >1800 ppm/6 hr (monkey) practically non-toxic

Eye Irritation:
May cause irritation

Skin Sensitization:
Not a sensitizer

Skin Irritation:
Not an irritant

Human Patch:
Non-sensitizing. May cause irritation and dermatitis with prolonged or repeated contact.

Mutagenicity:
No mutagenicity detected in Ames, Pol A+/A-, WP2, Mouse Lymphoma, In Vitro Sister Chromatid Exchange, Dominant Lethal and Micronucleus Assays

Carcinogens:
None present

Aquatic LC\(_{50}\):
None available

Additional Information:
- Isoparaffinic hydrocarbon solvent has a low order of acute oral and dermal toxicity, but minute amounts aspirated into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury, including fatality.
- Rat inhalation at 900 ppm not fetotoxic or teratogenic.

\(^1\) The product does not contain a toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372. Its ingredients do not appear on the California Proposition 65 List. \(^2\) All ingredients contained within this product are listed on the Canadian Domestic Substances List (DSL). \(^3\) These ingredients are claimed as a trade secret by a Xerox supplier. They are registered in the following states under the respective trade secret numbers: Massachusetts, 99-125-011; New Jersey, 800814-5000, 800814-5004; and New York, 211. They are not considered Hazardous as defined by WHMIS and a Trade Secret Exemption is not required for Canada. \(^XEL\) Xerox Exposure Limit

N.E. - Not Applicable N.E. - None Established N.D. - Not Determined 600E32860
Section IV Physical Data

Appearance/Odor: Yellow liquid/slight odor
Boiling Point: 160°-180°C
Softening Range: N A
Melting Point: N A
Specific Gravity (H₂O=1): 0.77
Evaporation Rate: 0.3, (n-Butylacetate = 1)
Vapor Density (Air=1): 5.0
Vapor Pressure (mm Hg): @20°C 1
pH: N A
Volatile: N A % (Wt) 80.100% (Vol)
Volatile Organics: voc 660 g/l

Section V Fire and Explosion Data

Flash Point (Method Used): 102°-107°F (39-42°C) T C C
Flammable Limits: LEL 0 8%, UEL 70%
NFPA 704: Health 1, Fire 2, Reactivity 0
Extinguishing Media: Foam, dry chemical, CO₂, water fog
Special Fire Fighting Procedures: Use air-supplied breathing equipment for enclosed areas. Cool exposed containers with water spray. Avoid breathing vapor or fumes. Fire and Explosion Hazards: Do not mix or store with strong oxidants like liquid chlorine or concentrated oxygen

Section VI Reactivity Data

Stability: Stable
Hazardous Polymerization: Will Not Occur
Hazardous Decomposition Products: Fumes, smoke and carbon monoxide in the case of incomplete combustion
Incompatibility (Materials to Avoid): Strong oxidants such as liquid chlorine, concentrated oxygen, sodium or calcium hypochlorite

Section VII Special Protection Information

Respiratory Protection: None required when used as intended with Xerox Engineering Systems products
Eye Protection: None required when used as intended with Xerox Engineering Systems products
Protective Gloves: Neoprene or nitrile gloves for prolonged or repeated skin contact
Other: None required when used as intended with Xerox Engineering Systems products

Section VIII Special Precautions

Handling and Storage: Keep container closed. Avoid handling near heat, strong light, sparks, oxygen flames, strong oxidants
Conditions to Avoid: Avoid breathing vapors. Avoid prolonged or repeated skin contact

Section IX Spill, Leak, and Disposal Procedures

For Spills or Leakage: Remove ignition sources. Recover free liquid using an absorbent material (vermiculite, fire retardant, sawdust, etc.)
Waste Disposal Method: The waste toner may be classified as an ignitable hazardous waste under federal and/or state regulations and should be disposed at an approved disposal site or facility in accordance with federal, state, and local regulations

Section X Transportation Information

<table>
<thead>
<tr>
<th>Proper Shipping Name</th>
<th>Hazard Class</th>
<th>UN ID #</th>
<th>Packing Group</th>
<th>Exception may apply</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT Hydrocarbons, liquid, n o s</td>
<td>Combustible</td>
<td>UN 3295</td>
<td>III</td>
<td>Reclassification CFR 49, 173</td>
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<tr>
<td>(isoparaffinic hydrocarbon mixture)</td>
<td>liquid</td>
<td></td>
<td></td>
<td>120(b)(2)</td>
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<td>UN 3295</td>
<td>III</td>
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<tr>
<td>(isoparaffinic hydrocarbon mixture)</td>
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<td></td>
<td>Y309</td>
<td></td>
</tr>
<tr>
<td>I.M.O Flammable liquid, n o s</td>
<td>3</td>
<td>UN 1993</td>
<td>III</td>
<td></td>
</tr>
<tr>
<td>(isoparaffinic hydrocarbon mixture)</td>
<td></td>
<td></td>
<td>N D</td>
<td></td>
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