1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Identifier

Product Name

Film Remover, Thermal Head Cleaner, 1/4 inch Tape Drive Cleaning Solution

Part no. 008R00026, 008R00027, 043P00045, 008R00160, 008R00161, 008R03520, 008R03801, 008R03811, 008R03812, 008R03813, 009R84156, XCI: 544P23337 May be contained in 009R88789, 009R88432, 600K26520, 008R03709

Color Colorless

Pure substance/mixture Substance

Recommended Use Xerographic printing

Details of the supplier of the safety data sheet

Supplier Xerox Corporation
Rochester, NY 14644

Xerox Canada LTD.
5650 Yonge Street
North York, Ontario M2M4G7

For further information, please contact

Contact person Manager, Environment, Health, Safety & Sustainability
E-mail address askxerox@xerox.com
Emergency telephone Safety Information US: (800) 275-9376
Chemical Emergency only (Chemtrec) (800) 424-9300

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Category 2</td>
<td>Serious eye damage/eye irritation</td>
</tr>
<tr>
<td>Category 3</td>
<td>Specific target organ toxicity (single exposure)</td>
</tr>
<tr>
<td>Category 2</td>
<td>Flammable liquids</td>
</tr>
</tbody>
</table>

Label elements
Signal Word: Danger

Hazard Statements:
- H225 - Highly flammable liquid and vapor
- H320 - Causes eye irritation
- H336 - May cause drowsiness and dizziness

Precautionary Statements:
- P264 - Wash hands thoroughly after handling
- P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P337 + P313 - If eye irritation persists: Get medical advice/attention
- P271 - Use only outdoors or in a well-ventilated area
- P233 - Keep container tightly closed
- P501 - Dispose of contents/container to an approved waste disposal plant
- P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
- P240 - Ground/Bond container and receiving equipment
- P242 - Use only non-sparking tools
- P243 - Take precautionary measures against static discharge
- P280 - Wear protective gloves/protective clothing/eye protection/face protection
- P403 + P235 - Store in a well-ventilated place. Keep cool
- P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction
- P102 - Keep out of reach of children

Other hazards:
- No hazard expected under normal conditions of use

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Weight %</th>
<th>Classification (Reg. 1272/2008)</th>
<th>Hazard Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl alcohol</td>
<td>67-63-0</td>
<td>100</td>
<td>Flam. Liq. 2 STOT SE 3</td>
<td>H319 H335 H336 H225</td>
</tr>
</tbody>
</table>

Full text of H- statements: see section 16

4. FIRST AID MEASURES

Description of first-aid measures
General advice  IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR EMERGENCY MEDICAL CARE.

Eye contact  Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician
Skin contact  Wash off immediately with soap and plenty of water
Inhalation  Move to fresh air, Get medical attention immediately if symptoms occur
Ingestion  Rinse mouth with water and afterwards drink plenty of water or milk

Most important symptoms and effects, both acute and delayed

Acute toxicity

Eyes  Irritating to eyes
Skin  Does not cause skin irritation or sensitization.
Inhalation  Repeated exposure may cause skin dryness or cracking
Ingestion  May cause irritation

Main symptoms

May cause central nervous system depression
Gastrointestinal discomfort

Indication of immediate medical attention and special treatment needed

Protection of first-aiders  No special protective equipment required
Notes to physician  Treat symptomatically

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

Unsuitable extinguishing media  No information available

Special hazards arising from the substance or mixture

In the event of fire, cool tanks with water spray

Special protective actions for fire-fighters

Wear self-contained breathing apparatus and protective suit.

Other information

Flammable properties  Flammable liquid
Flash point  12 °C / 53 °F

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Avoid breathing vapors or mists, Ensure adequate ventilation, Remove all sources of ignition, For personal protection see section 8

Environmental precautions

No special environmental precautions required

Methods and material for containment and cleaning up

Methods for containment  Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13)

Reference to other sections

See Section 12 for additional information
7. HANDLING AND STORAGE

Precautions for safe handling
Advice on safe handling
Keep away from heat, sparks and open flame. No smoking
Avoid contact with skin and eyes

Hygiene measures
Handle in accordance with good industrial hygiene and safety practice

Conditions for safe storage, including any incompatibilities
Technical measures and storage
Keep containers tightly closed in a dry, cool and well-ventilated place
Keep away from heat and sources of ignition

Incompatible products
Acid anhydrides, Strong oxidizing agents, Organometallic compounds, Isocyanates, Ethylene oxide

Specific end uses
Cleaner / Solvent

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters
Exposure Limits
<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl alcohol</td>
<td>STEL: 400 ppm</td>
<td>TWA: 400 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA: 200 ppm</td>
<td>TWA: 980 mg/m³</td>
</tr>
</tbody>
</table>

Exposure controls
Engineering measures
Ensure adequate ventilation, especially in confined areas

Individual protection measures, such as personal protective equipment (PPE)
Respiratory protection
None under normal use conditions. Organic vapour respirator for large spills.
Eye/Face protection
Safety glasses with side-shields
Hand protection
Rubber gloves, Polyvinylchloride (PVC)

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>22 ppm</td>
</tr>
<tr>
<td>pH</td>
<td>7</td>
</tr>
<tr>
<td>Flash point (°C)</td>
<td>12 °C / 53 °F</td>
</tr>
<tr>
<td>Boiling point (°C)</td>
<td>83 °C / 181 °F</td>
</tr>
<tr>
<td>Autoignition temperature (°C)</td>
<td>399 °C / 750 °F</td>
</tr>
<tr>
<td>Volatility</td>
<td>100%(Vol.)</td>
</tr>
<tr>
<td>Volatile organic compounds</td>
<td>790 g/L</td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Alcohol</td>
</tr>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Colorless</td>
</tr>
<tr>
<td>Method</td>
<td>Tag closed cup</td>
</tr>
<tr>
<td>Softening point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Upper</td>
<td>13%</td>
</tr>
<tr>
<td>Lower</td>
<td>2%</td>
</tr>
</tbody>
</table>

Vapor pressure
20 mmHg @ 332 °C
Vapor density
2.07 (air = 1)
Water solubility
Completely soluble
Viscosity: No information available
Partition coefficient: No information available
Evaporation rate: 2.4 (n-butylacetate=1)
Melting point/range: Not applicable
Freezing point: -89 °C
Decomposition temperature: Not determined
Specific gravity: 0.79 @ 20 °C

Other information:
Explosive properties: Not explosive

10. STABILITY AND REACTIVITY

Reactivity:
No dangerous reaction known under conditions of normal use

Chemical stability:
Stable under normal conditions

Possibility of hazardous reactions:
- Hazardous reactions: None under normal processing
- Hazardous polymerization: Hazardous polymerization does not occur

Conditions to avoid:
Heat, flames and sparks, Take precautionary measures against static discharges

Incompatible materials to avoid:
Acid anhydrides, Strong oxidizing agents, Organometallic compounds, Isocyanates, Ethylene oxide

Hazardous decomposition products:
Carbon monoxide (CO), Carbon dioxide (CO₂)

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects:

Acute toxicity:
Product Information:
No product level data available
Irritation:
Irritating to eyes

Component Information:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl alcohol</td>
<td>5045 mg/kg (Rat)</td>
<td>4059 mg/kg (Rabbit)</td>
<td>72600 mg/m³ (Rat) 4 h</td>
</tr>
</tbody>
</table>

Chronic toxicity:
- Sensitization: Not a sensitizer
- Neurological Effects: No information available
- Target organ effects: No information available

CMR Effects:
- Mutagenic effects: Not determined
- Reproductive toxicity: No information available
- Carcinogenicity: Contains no ingredient listed as a carcinogen

Other toxic effects:
- Aspiration Hazard: No information available
12. ECOLOGICAL INFORMATION

Toxicity

Acute Aquatic Toxicity
On available data, substance is not harmful to aquatic life.

Chronic Aquatic Toxicity
On available data, substance is not harmful to aquatic life.

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Toxicity to algae</th>
<th>Toxicity to fish</th>
<th>Toxicity to microorganisms</th>
<th>Toxicity to daphnia and other aquatic invertebrates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl alcohol</td>
<td>1000 mg/L EC50 96 h</td>
<td>LC50= 9640 mg/L</td>
<td>EC50 = 13299 mg/L 48 h</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(Desmodesmus subspicatus)</td>
<td>Pimephales promelas 96 h</td>
<td>Pimephales promelas 96 h</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1000 mg/L EC50 72 h</td>
<td>LC50= 11130 mg/L</td>
<td>Lepomis macrochirus 96 h</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(Desmodesmus subspicatus)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Persistence and degradability

Readily biodegradable

Bioaccumulative potential

Bioaccumulation is unlikely

Mobility in soil

Insoluble in water

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl alcohol</td>
<td>0.05</td>
</tr>
</tbody>
</table>

Other adverse effects

Presents little or no hazard to the environment

13. DISPOSAL CONSIDERATIONS

Disposal considerations

Waste Disposal Methods
This material should be disposed of as a hazardous waste in the United States (D001 EPA code) and Canada.
Small quantity exemptions may apply.
This material should be disposed of using fuels blending, solvent recycling or incineration treatment methods.

Contaminated packaging
No special precautions are needed in handling this material

California Waste Status
This product contains one or more substances that are listed with the State of California as a hazardous waste.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>California Hazardous Waste Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl alcohol</td>
<td>Toxic</td>
</tr>
<tr>
<td></td>
<td>Ignitable</td>
</tr>
</tbody>
</table>

14. TRANSPORT INFORMATION

Subject to regulation as noted below
Exceptions may apply
15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

OSHA Regulatory Status
This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)
Canada
This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR), and the SDS contains all the information required by the HPR.

International Inventories
- TSCA: Complies
- DSL/NDSL: Complies

U.S. Federal Regulations
SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>SARA 313 - Threshold Values %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl alcohol</td>
<td>67-63-0</td>
<td>1.0</td>
</tr>
</tbody>
</table>

Clean Water Act
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPS) (see 40 CFR 61)
This product contains the following substances which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act:

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations
California Proposition 65
This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations
This product is subject to U.S. State Right-to-know regulations as noted below.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Massachusetts</th>
<th>New Jersey</th>
<th>Pennsylvania</th>
<th>Illinois</th>
<th>Rhode Island</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl alcohol</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

16. OTHER INFORMATION

Issuing Date 1993-05-03
Revision Date 2018-02-01
Revision Note Update to Format
Full text of H-Statements referred to under sections 2 and 3
H225 - Highly flammable liquid and vapor
SDS # : D-0550

Film Remover, Thermal Head Cleaner, 1/4 inch Tape Drive Cleaning Solution

H319 - Causes serious eye irritation
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness

Disclaimer
The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

end