Section 1: PRODUCT AND COMPANY IDENTIFICATION

1.1. Product identifier

Product Code 45119466
Product Name Jet Surface Cleaner Jet Wash Station Fluid

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Head Maintenance Fluid for Printers
Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Manufacturer
EFI-Inkjet Solutions
One VUTEk Place
Meredith, NH  03253
603-279-4635
USA

For further information, please contact

Email address ehs@efi.com

1.4. Emergency telephone number

Emergency Telephone Chemtrec +1-800-424-9300

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

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

2.2. Label elements

Signal word
Danger
Hazard Statements
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness
H225 - Highly flammable liquid and vapor
EUH066 - Repeated exposure may cause skin dryness or cracking

Precautionary Statements

Prevention:
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P271 - Use only outdoors or in a well-ventilated area
P210 - Keep away from heat/sparks/open flames/hot surfaces. — No smoking
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
P280 - Wear protective gloves/protective clothing/eye protection/face protection

Response / First Aid:
P264 - Wash face, hands and any exposed skin 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
P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P312 - Call a POISON CENTER or doctor if you feel unwell
P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish

Storage:
P403 + P235 - Store in a well-ventilated place. Keep cool
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
P405 - Store locked up
P233 - Keep container tightly closed

Disposal:
P501 - Dispose of contents/container to industrial incineration plant

2.3. Other hazards

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not Applicable

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
<th>GHS Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
<td>70-80</td>
<td>Eye Irrit. 2 (H319)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STOT SE 3 (EUH066) (H336)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Flam. Liq. 2 (H225)</td>
</tr>
<tr>
<td>Polypropylene glycol</td>
<td>25322-69-4</td>
<td>20-30</td>
<td>Acute Tox. 4 (H302)</td>
</tr>
</tbody>
</table>

Full text of R-phrases: see section 16

Full text of H- and EUH-phrases: see section 16
Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation
Move to fresh air in case of accidental inhalation of vapors. If breathing is irregular or stopped, administer artificial respiration. Call a physician or poison control center immediately.

Skin Contact
Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

Eye contact
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. (Get medical attention immediately if irritation persists.).

Ingestion
If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms
Dizziness

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians
Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media
Carbon dioxide (CO2), Foam, Water, Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media
No information available.

5.2. Special hazards arising from the substance or mixture

Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Thermal decomposition can lead to release of toxic/corrosive gases and vapors. Runoff to sewer may create fire or explosion hazard.

5.3. Advice for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions
Remove all sources of ignition. Ventilate affected area. Avoid breathing vapors or mists. Evacuate personnel to safe areas.

For emergency responders
Use personal protection recommended in Section 8.
6.2. Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas.

6.3. Methods and material for containment and cleaning up

Methods for containment
Dike to collect large liquid spills.

Methods for cleaning up
Contain spillage, and then collect 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).

6.4. Reference to other sections

Other Information
See Section 12: ECOLOGICAL INFORMATION.

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling
Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Use only with adequate ventilation. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).

General Hygiene Considerations
Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions
Keep container tightly closed in a dry and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

7.3. Specific end use(s)

Risk Management Methods (RMM)
The information required is contained in this Safety Data Sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>European Union</th>
<th>United Kingdom</th>
<th>France</th>
<th>Spain</th>
<th>Germany</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone 67-64-1</td>
<td>STEL: 1500 ppm TWA: 500 ppm STEL: 3620 mg/m³ TWA: 1210 mg/m³</td>
<td>STEL: 1200 mg/m³</td>
<td>STEL: 1000 ppm TWA: 2420 mg/m³</td>
<td>VLA-ED: 500 ppm TWA: 1210 mg/m³</td>
<td>TWA: 500 ppm TWA: 1200 mg/m³ Ceiling / Peak: 1000 ppm Ceiling / Peak: 2400 mg/m³</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>Italy</th>
<th>Portugal</th>
<th>Netherlands</th>
<th>Finland</th>
<th>Denmark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone 67-64-1 ( 70-80 )</td>
<td>TWA: 500 ppm TWA: 1210 mg/m³</td>
<td>STEL: 750 ppm TWA: 500 ppm</td>
<td>STEL: 2420 mg/m³ TWA: 1210 mg/m³</td>
<td>TWA: 500 ppm TWA: 1200 mg/m³ STEL: 630 ppm STEL: 1500 mg/m³</td>
<td>TWA: 250 ppm TWA: 600 mg/m³</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Austria</th>
<th>Switzerland</th>
<th>Poland</th>
<th>Norway</th>
<th>Ireland</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>STEL 2000 ppm STEL</td>
<td>STEL 1000 ppm</td>
<td>NDSCh: 1800 mg/m³</td>
<td>TWA: 125 ppm TWA:</td>
<td>TWA: 500 ppm TWA:</td>
</tr>
</tbody>
</table>
8.2. Exposure controls

Engineering Controls
Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/face protection
Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

Hand Protection
All personal protection equipment should be chosen according to the CEN standards. Latex gloves are recommended.

Body Protection
Antistatic footwear. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory protection
If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations
Wash contaminated clothing before reuse.

Environmental exposure controls
Do not allow into any sewer, on the ground or into any body of water.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>liquid</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>clear</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Slight Solvent</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>64.4 °C</td>
<td></td>
</tr>
<tr>
<td>Flash point</td>
<td>22 °F (-5.5 °C)</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapor density</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.91</td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(n-octanol/water)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kinematic viscosity</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dynamic viscosity</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

9.2. Other information

VOC Content (%)                  No data available

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available.
Section 10: STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
Vapors may cause flash fire or explosion.

10.3. Possibility of hazardous reactions
Hazardous polymerization
None under normal processing.

Possibility of Hazardous Reactions
None under normal processing.

10.4. Conditions to avoid
Heat, flames and sparks.

10.5. Incompatible materials

10.6. Hazardous decomposition products
Carbon monoxide. Carbon dioxide (CO2).

Section 11: TOXICOLOGY INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product Information
Product does not present an acute toxicity hazard based on known or supplied information.

Inhalation         No data available.
Eye contact        No data available.
Skin Contact       No data available.
Ingestion          No data available.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>LC50 (lethal concentration)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>= 5800 mg/kg (Rat)</td>
<td></td>
<td>= 50100 mg/m³ (Rat) 8 h</td>
</tr>
<tr>
<td>Polypropylene glycol</td>
<td>&gt; 2 g/kg (Rat)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Skin corrosion/irritation  No information available.
Serious eye damage/eye irritation  No information available.
Sensitization             No information available.
Germ cell mutagenicity    No information available.
Carcinogenicity           No information available.
Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td></td>
<td>6210 - 8120: 96 h Pimephales promelas mg/L LC50 static 4.74 - 6.33: 96 h Oncorhynchus mykiss mL/L LC50 8300: 96 h Lepomis macrochirus mg/L LC50</td>
<td>10294 - 17704: 48 h Daphnia magna mg/L EC50 Static 12600 - 12700: 48 h Daphnia magna mg/L EC50</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Partition coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>0</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil

Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

This product does not contain any known or suspected endocrine disruptors

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from Residues / Unused Products

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Do not reuse container. Keep product and empty container away from heat and sources of ignition.

Other Information

Waste codes should be assigned by the user based on the application for which the product was used.
Section 14: TRANSPORT INFORMATION

IMDG
14.1 UN/ID No UN1210
14.2 Proper shipping name Printing Ink Related Material (Contains: Acetone)
14.3 Hazard Class 3
14.4 Packing Group II
14.5 Marine pollutant Not Applicable
14.6 Special Provisions none
14.7 Transport in bulk according to No information available
Annex II of MARPOL 73/78 and the IBC Code

RID
14.1 UN/ID No UN1210
14.2 Proper shipping name Printing Ink Related Material (Contains: Acetone)
14.3 Hazard Class 3
14.4 Packing Group II
14.5 Environmental hazard Not Applicable
   Classification code F1
14.6 Special Provisions none

ADR
14.1 UN/ID No UN1210
14.2 Proper shipping name Printing Ink Related Material (Contains: Acetone)
14.3 Hazard Class 3
14.4 Packing Group II
14.5 Environmental hazard Not Applicable
14.6 Special Provisions none
   Classification code F1

ICAO (air)
14.1 UN/ID No UN1210
14.2 Proper shipping name Printing Ink Related Material (Contains: Acetone)
14.3 Hazard Class 3
14.4 Packing Group II
14.5 Environmental hazard Not Applicable
14.6 Special Provisions none

IATA
14.1 UN/ID No UN1210
14.2 Proper shipping name Printing Ink Related Material (Contains: Acetone)
14.3 Hazard Class 3
14.4 Packing Group II
14.5 Environmental hazard Not Applicable
14.6 Special Provisions none
   ERG Code 3L

Section 15: REGULATORY INFORMATION

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

International Inventories

TSCA

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.
US Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain 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.

SARA 311/312 Hazard Categories

<table>
<thead>
<tr>
<th>Category</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute health hazard</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chronic Health Hazard</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Fire hazard</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Sudden release of pressure hazard</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Reactive Hazard</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

CWA (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)

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 chemicals known to the state of California to cause birth defects or other reproductive harm.

International Regulations

Canada
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

WHMIS Hazard Class

D2B - Toxic material

Section 16: OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3
H302 - Harmful if swallowed
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness
H225 - Highly flammable liquid and vapor
EUH066 - Repeated exposure may cause skin dryness or cracking

Issue Date 16-Jul-2014
Revision Date 16-Jul-2014
Revision Note Not Applicable.

EFI has prepared this Safety Data Sheet (SDS) in compliance with 29 CFR 1910.1200 (HazCom 2012), understands that its customers may use this SDS to comply with that section, and believes that the data set forth herein are accurate as of the date hereof; however, this SDS shall not constitute a warranty with respect thereto.

End of Safety Data Sheet