

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

| | |
|--|------------|
| Serious eye damage/eye irritation | Category 2 |
| Specific target organ toxicity (single exposure) | Category 3 |
| Flammable liquids | Category 2 |

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

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

Full text of R-phrases: see section 16

Full text of H- and EUH-phrases: see section 16

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

| Chemical Name | European Union | United Kingdom | France | Spain | Germany |
|------------------------------|---|---|---|--|---|
| Acetone 67-64-1 | | STEL: 1500 ppm STEL: 3620 mg/m ³ TWA: 500 ppm TWA: 1210 mg/m ³ | TWA: 500 ppm TWA: 1210 mg/m ³ STEL: 1000 ppm STEL: 2420 mg/m ³ | VLA-ED: 500 ppm VLA-ED: 1210 mg/m ³ | TWA: 500 ppm TWA: 1200 mg/m ³ Ceiling / Peak: 1000 ppm Ceiling / Peak: 2400 mg/m ³ |
| Component | Italy | Portugal | Netherlands | Finland | Denmark |
| Acetone 67-64-1 (70-80) | TWA: 500 ppm TWA: 1210 mg/m ³ | STEL: 750 ppm TWA: 500 ppm | STEL: 2420 mg/m ³ TWA: 1210 mg/m ³ | TWA: 500 ppm TWA: 1200 mg/m ³ STEL: 630 ppm STEL: 1500 mg/m ³ | TWA: 250 ppm TWA: 600 mg/m ³ |
| Chemical Name | Austria | Switzerland | Poland | Norway | Ireland |
| Acetone | STEL 2000 ppm STEL | STEL: 1000 ppm | NDSch: 1800 mg/m ³ | TWA: 125 ppm TWA: | TWA: 500 ppm TWA: |

| | | | | | |
|---------|---|------------------------------|----------------------------|---|------------------------|
| 67-64-1 | 4800 mg/m ³ MAK: 500 ppm MAK: 1200 mg/m ³ | STEL: 2400 mg/m ³ | NDS: 600 mg/m ³ | 295 mg/m ³ STEL: 156.25 ppm STEL: 368.75 mg/m ³ | 1210 mg/m ³ |
|---------|---|------------------------------|----------------------------|---|------------------------|

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available.

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

| | | | |
|-----------------------|--------|-------------|----------------|
| Physical state | liquid | Odor | Slight Solvent |
| Appearance | clear | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|---|-----------------|--------------------------|
| pH | | No information available |
| Melting point/freezing point | | No information available |
| Boiling point / boiling range | 64.4 °C | No information available |
| Flash point | 22 °F (-5.5 °C) | No information available |
| Evaporation rate | | No information available |
| Flammability (solid, gas) | | No information available |
| Flammability Limits in Air | | No information available |
| Vapor pressure | | No information available |
| Vapor density | | No information available |
| Specific Gravity | 0.91 | No information available |
| Water solubility | | No information available |
| Solubility(ies) | | No information available |
| Partition Coefficient (n-octanol/water) | | No information available |
| Autoignition temperature | | No information available |
| Decomposition temperature | | No information available |
| Kinematic viscosity | | No information available |
| Dynamic viscosity | | No information available |

9.2. Other information

VOC Content (%) No data 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.

| Chemical Name | Oral LD50 | Dermal LD50 | LC50 (lethal concentration) |
|----------------------|----------------------|-------------|---------------------------------------|
| Acetone | = 5800 mg/kg (Rat) | | = 50100 mg/m ³ (Rat) 8 h |
| Polypropylene glycol | > 2 g/kg (Rat) | | |

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.

| | |
|-------------------------------|---------------------------|
| Reproductive toxicity | No information available. |
| STOT-single exposure | No information available. |
| STOT-repeated exposure | No information available. |
| Target Organ Effects | central nervous system. |
| Aspiration hazard | No information available. |

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

| Chemical Name | Algae/aquatic plants | Fish | Crustacea |
|---------------|----------------------|---|--|
| Acetone | | 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 | 10294 - 17704: 48 h Daphnia magna mg/L EC50 Static 12600 - 12700: 48 h Daphnia magna mg/L EC50 |

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

| Chemical Name | Partition coefficient |
|---------------|-----------------------|
| Acetone | 0 |

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 Annex II of MARPOL 73/78 and the IBC Code | No information available |

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 Classification code | Not Applicable 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 Classification code | none 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 ERG Code | none 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

| | |
|--|-----|
| Acute health hazard | Yes |
| Chronic Health Hazard | Yes |
| Fire hazard | Yes |
| Sudden release of pressure hazard | No |
| Reactive Hazard | No |

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