

Material Safety Data Sheet

Revision date: 12.01.2010

REA-JET FES-WS 040 Ink

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1. Product Identification

Commercial product name

REA-JET FES-WS 040 Ink

Product number: IJ060-9001-15

Emergency telephone:

**Chemtrec 24-hour telephone # 800-424-9300
International 24-hour telephone # 703-527-3887**

2. Composition/Information on Ingredients

Components

Components

Ethyl Alcohol
Acetone, propan-2-one, propanone
Isopropanol, isopropyl alcohol, propan-2-ol
Glycolacid-n-butylester
Synthetic material – Binding agents – Dyes-Additive-Mixture

CAS No.	Content %
64-17-5	30-40
67-64-1	> 1
67-63-0	25-30
7397-62-8	1-5

3. Hazards Identification

F Flammable liquid

4. First Aid Measures

General Information: In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible). Never give anything by mouth to an unconscious person

After inhalation: Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Giving nothing by mouth. Consult physician

After contact with skin: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. Do not use solvents or thinners.

After contact with eyes: Take off lenses. Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult physician.

After ingestion: Immediately get medical attention. Keep at rest. Do not induce vomiting.

5. Fire Fighting Measures

Suitable extinguishing media: Alcohol resistant foam. Carbon dioxide (CO₂). Dry extinguishing powder. Water spray.

Unsuitable extinguishing media: High power water jet

Special hazards arising from the chemical: Fire will product dense black smoke. Exposure to decomposition product may cause a health hazard. Appropriate breathing apparatus may be required. Cool closed containers exposed to fire water. Do not allow run off from fire fighting to enter drains or water courses.

6. Accidental Release Measures

Exclude sources of ignition and ventilate the area. Avoid breathing vapors. Absorb spills with non-combustible, liquid-binding material (such as sand, silica gel, multi-purpose binding agent) and remove to a safe place for disposal. Do not allow to enter drains or watercourse. Clean preferably with a detergent; avoid use of solvents. If the product contaminates waterways, inform appropriate authorities.

7. Handling and Storage

Handling: The vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air. Prevent creation of flammable or explosive concentrations of vapor in air and avoid vapor concentration higher than the occupational exposure limits.

Product should only be used in areas from which all naked light and other sources of ignition have been excluded. Electrical equipment should be protected according to the appropriate standard.

Preparation may charge electrostatically. Always use earthing leads when transferring from one container to another. Operators should wear antistatic footwear and clothing and floors should be of the conducting type.

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Keep container tightly closed. Isolate from sources of heat, sparks and open flames. No sparking tools should be used.

Avoid skin and eye contact. Avoid inhalation of vapor and spray mist. Smoking, eating and drinking should be prohibited in application area.

Never use pressure to empty. Container is not a pressure vessel. Always keep in containers of same materials as the original one.

Storage: Keep only in the original container in a cool, dry, and well ventilated place away from sources of heat and direct sunlight. Keep away from sources of ignition. Keep away from oxidizing agents, from strongly alkaline and strongly acid materials. No smoking. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

8. Exposure Controls/Personal Protection

Engineering measures: Provide adequate ventilation. Where reasonably practical this should be achieved by the use of local exhaust ventilation and good general extraction.

Exposure Limits:

Components	CAS No.	OEL value mg/m ³
Ethyl alcohol	64-17-5	1900
Acetone, propanone	67-64-1	1200
Isopropanol, isopropyl alcohol	67-63-0	500
Glycolacid-n-butylester	7397-62-8	n/a

Personal Protection:

Respiratory protection: If technical suction or ventilation measures are not possible or are insufficient, protective breathing apparatus must be worn.

Hand protection: For prolonged and repeated contact use solvent-resistant gloves (Butyl rubber)

Eye protection: Tightly sealed safety glasses.

Skin protection: antistatic clothing made of natural fiber or of high temperature resistant synthetic fiber. All parts of the body should be washed after contact.

9. Physical and Chemical Properties

Form:	liquid
Color:	white
Odor	mild alcoholic smell
Viscosity	22-25 sec. DIN 4 cup
Density	0.93
Flash point	14 °C
Vapor pressure	60 hPa from bibliography
Ignition point	425 °C from bibliography
Lower explosion limits:	3.15 vol % from bibliography
Upper explosion limits:	15.0 vol % from bibliography

10. Stability and Reactivity

Stable. When exposed to high temperatures may produce hazardous decomposition product such as carbon monoxide and dioxide, smoke, oxide of nitrogen. Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

11. Toxicological Information

No data on product itself. Exposure to solvents vapor concentration in excess of stated occupational limits may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and

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central nervous system. Because of fat=solvent properties of product, repeated or prolonged contact may lead to skin drying out. Absorption of the product through the skin is possible. Exposure to eyes may cause irritation and irreversible damage.

12. Ecological Information

No data on product itself.

13. Disposal Considerations:

Waste disposal according to official state regulations.

14 Transport Information

Proper shipping name:	PAINT
Hazard class:	3
UN/NA	1263 PG II

15 Regulatory Information

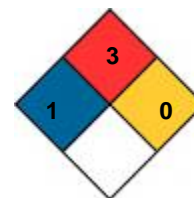
U.S. Regulations:

Acetone (67-64-1) CERLA
Isopropanol, isopropyl alcohol (67-63-0) SARA 313

16 Other Information

Hazardous Materials Information Label (HMIS)

Health:	1
Flammability:	3
Physical Hazard:	0



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