

PANNIER CORPORATION
207 SANDUSKY STREET, PITTSBURGH, PA 15212-5823 U.S.A.
MATERIAL SAFETY DATA SHEET



FAE-GN 040

DATE: 09-18-13

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IMPORTANT: Read this MSDS before handling and disposing of this product and pass this information onto employees, customers and users of this product.

INFOTRAC 24 HOUR EMERGENCY TELEPHONE NUMBER: 1-800-535-5053

SECTION I - GENERAL INFORMATION

PRODUCT NAME: FAE-GN-040 Green Ink

GENERIC NAME: Ink Jet Ink

CAS NO.: NOT AVAILABLE (MIXTURE)

DOT HAZARDOUS MATERIALS PROPER SHIPPING NAME: PRINTING INK

DOT HAZARD CLASS: Flammable Liquid

UN/NA ID NO.: UN 1210

SECTION II – COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization:

Substance identity	CAS Nr.	Content %
Ethyl alcohol	64-17-5	30 – 35 %
2 Propanone	67-64-1	30 – 35 %
Isopropyl alcohol	67-63-0	5 – 10 %
Glycolacid-n-butylester	7397-62-8	> 1 %
Dyes - Binding agents - Synthetic material - Additive – Mixture		

SECTION III – HAZARDS IDENTIFICATION

Hazard designation:	F	Flammable liquid
Information pertaining to particular danger for man and environment:	F	Flammable liquid

SECTION IV – FIRST AID MEASURES

General:	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation:	Remove to fresh air, keep casualty warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious place in recovery position and seek medical advice.
Skin contact:	Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do not use solvents or thinners.
Eye contact:	Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.
Ingestion:	If accidentally swallowed obtain immediate medical attention. Keep at rest. Do not induce vomiting.

SECTION V – FIRE FIGHTING MEASURES

Extinguishing media

Recommended: Alcohol-resistant foam, CO², powders, waterspray

NOT to be used: Strong waterjet

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Recommendations Fire will produce 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.

SECTION VI – ACCIDENTAL RELEASE MEASURES

Exclude sources of ignition and ventilate the area. Avoid breathing vapours. Refer to protective measures listed in section 7 and 8. Contain and collect spillage with non-combustible absorbent materials e.g. sand, earth vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Do not allow to enter drains or watercourses. Clean preferably with a detergent; avoid use of solvents. If the product contaminates lakes, rivers or sewages,

SECTION VII - HANDLING AND STORAGE

Handling:

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits.

Additionally, the 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.

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

Avoid skin and eye contact. Avoid inhalation of vapour and spray mist. Smoking, eating and drinking should be prohibited in application area. For personal protection see section 8 Never use pressure to empty - Container is not a pressure vessel. Always keep in containers of same materials as the original one. Comply with the health and safety at work laws.

Storage:

Storage in accordance with the local laws. Observe label precautions. Store in a cold and dry, well ventilated place away from sources of heat and direct sunlight. Keep away from sources of ignition. Keep away from oxidising agents, from strongly alkaline and strongly acid materials. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapours below the OEL (Occupational Exposure Limit), suitable respiratory protection must be worn.

Occupational exposure limits:

Ethyl alcohol	OEL value 1900 mg/m ³
2 Propanone	OEL value 1200 mg/m ³
Isopropyl alcohol	OEL value 500 mg/m ³
Glycolacid-n-butylester	OEL value Not applicable

Personal protection:

Respiratory protection: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

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

Eye protection: Use safety eyewear designed to protect against splash of liquids.

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

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Physical state :	liquid
Colour :	green

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Odour :	alcohol-like	
Viscosity :	10 sec. DIN 4 cup	
Density :	0.86	
Flash point :	14 °	
Vapour pressure :	60 hPa	from bibliography
Ignition point :	425°	from bibliography
Explosive limit / Lower :	2 Vol.%	from bibliography
Explosive limit / Upper :	12 Vol.%	from bibliography
Solubility in water :	partially	

SECTION X - STABILITY AND REACTIVITY

Stable under recommended storage and handling conditions (see section 7). 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.

SECTION XI - TOXICOLOGICAL INFORMATION

There are no data available on the preparation itself. Exposure to solvents vapour concentration in excess of the stated occupational exposure limits may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases loss of consciousness. Because of fat-solvent properties of the product, repeated or prolonged contact with the preparation may lead to the skin drying out. Absorption of the preparation through the skin is possible. The liquid splashed in the eyes may cause irritation and irreversible damages

SECTION XII - ECOLOGICAL INFORMATION

There are no data available on the preparation itself.
The product should not be allowed to enter drains, lakes, rivers
Water pollution hazards class 1 (Germany)

SECTION XIII - DISPOSAL CONSIDERATIONS

Do not allow to enter drains, lakes, rivers.
Waste and emptied containers should be disposed of according to local regulations

SECTION XIV - TRANSPORT REGULATIONS

Transport only in accordance with ADR for road , RID for rail, IMDG for sea, ICAO / IATA for air transport	
Road / Rail transport	UN 1263 Paint, 3, II, ADR
GGVS/ADR, GGVE/RID	Vapour pressure at 50 °C not more than 110 kPh
Sea transport	Class 3
GGVSee / IMDG	EmS Nr. F-E,S-E
	UN Nr. 1263
	Packing group II
Proper shipping name:	Paint
Air transport	Class 3
ICAO / IATA	UN Nr. 1263
	Packing group II
Proper shipping name:	Paint

SECTION XV - REGULATIONS

The product is labelled in accordance with the German "Gefahrstoffverordnung".
The product is labelled as follows: F Flammable liquid
Danger classification: Contains: No information necessary

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R phrases:

S phrases:

11 Highly flammable
7 Keep container tightly close
9 Keep container in a well ventilated place
16 Keep away from sources of ignition - No smoking
23 Do not breathe in vapour
33 Take precautionary measures against static discharges
51 Use only in a well ventilated area

SECTION XVI – OTHER INFORMATION

DISCLAIMER OF LIABILITY

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