

SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2010



FAS-XX 040

Revision date: 3/8/2017
Version: 2

Language: en-US

Date of print: 3/14/2018
Page: 1 of 12

1. Product and company identification

Product name: FAS-BL 040
FAS-GB 040
FAS-WS 040
FAS-GN 040
FAS-RT 040

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

General use: Paint for signature.
Reserved for industrial and professional use.

Details of the supplier of the safety data sheet

Company name: PANNIER CORPORATION
Street/POB-No.: 207 Sandusky Street
Postal Code, city: Pittsburgh, PA 15212-5823
USA
WWW: www.pannier.com
E-mail: sales@pannier.com
Telephone: (412) 323-4900

Emergency phone numbers:

INFOTRAC: 24-hour telephone number: 1-800-535-5053

2. Hazards identification

Emergency overview

Appearance: Form: liquid
Color: varying

Odor: characteristic

Classification: Flammable Liquid - Category 2; Eye Irritation - Category 2A; Reproductive toxicant - Category 2; Specific Target Organ Toxicity (Single Exposure) - Category 3;

Hazard symbols:



Signal word: **Danger**

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Hazard statements: Highly flammable liquid and vapor.
Causes serious eye irritation.
May cause drowsiness or dizziness.
Suspected of damaging fertility or the unborn child.

Precautionary statements: Obtain special instructions before use.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Wash hands and face thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/or shower.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If exposed or concerned: Get medical advice/attention.
Call a POISON CENTER/doctor if you feel unwell.
If eye irritation persists: Get medical advice/attention.
In case of fire: Use dry powder, foam or water spray for extinction.
Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.
Dispose of contents/container to hazardous or special waste collection point.

Regulatory status

This material is considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) and SIMDUT in Canada.

Hazards not otherwise classified

Potentially explosive mixtures may form if adequate ventilation is not provided.
The product can be absorbed through skin. Inhaling can lead to irritations of the respiratory tract and mucous membrane. Higher doses may have a narcotic effect. Has degreasing effect on the skin. Repeated exposure may cause skin dryness or cracking.
Lengthy or repeated contact may cause skin irritation.
see section 11: Toxicological information

3. Composition / Information on ingredients

Chemical characterization:

A mixture of binder, resin, paint and additives (solution/dispersion).

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Relevant ingredients:

CAS No.	Designation	Content	Classification
CAS 67-64-1	Acetone	40 - 60 %	Flammable Liquid - Category 2. Eye Irritation - Category 2A. Specific Target Organ Toxicity (Single Exposure) - Category 3.
CAS 107-98-2	1-Methoxy-2-propanol	1 - 5 %	Flammable Liquid - Category 3. Specific Target Organ Toxicity (Single Exposure) - Category 3.
CAS 7397-62-8	Glycollic acid butyl ester	1 - 3 %	Eye Damage - Category 1. Reproductive toxicant - Category 2.

4. First aid measures

- In case of inhalation: Move victim to fresh air; if necessary, provide artificial respiration or oxygen. Put victim at rest. If unconscious place in recovery position and seek medical advice.
- Following skin contact: Thoroughly wash skin with soap and water. Take off contaminated clothing and wash it before reuse.
Do not use solvents or diluting agents for skin cleaning.
In case of skin reactions, consult a physician.
- After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.
- After swallowing: Do not induce vomiting.
Keep victim calm and seek medical attention immediately.

Most important symptoms/effects, acute and delayed

Causes serious eye irritation. May cause drowsiness or dizziness. The product can be absorbed through skin. Inhaling can lead to irritations of the respiratory tract and mucous membrane. Higher doses may have a narcotic effect. Has degreasing effect on the skin. Lengthy or repeated contact may cause skin irritation.

Information to physician

Treat symptomatically.

5. Fire fighting measures

- Flash point/flash point range: 6.8 °F
- Auto-ignition temperature: No data available
- Suitable extinguishing media: Water spray jet, alcohol resistant foam, powder, carbon dioxide.
- Extinguishing media which must not be used for safety reasons: Full water jet

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Specific hazards arising from the chemical

Highly flammable liquid and vapor. Vapors form potentially explosive mixtures with air, which are heavier than air. Air-Vapor mixture may travel great distances at floor level and lead to backflash when exposed to an ignition source. In case of fire may be liberated: carbon monoxide and carbon dioxide. During fire: produces thick black smoke that may be hazardous to health.

Protective equipment and precautions for firefighters:

Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.

Additional information: Do not breathe fumes. Heating will lead to pressure increase: Danger of bursting and explosion. Cool exposed containers with water spray. Cool exposed containers with water spray.

Do not allow fire water to penetrate into surface or ground water.

6. Accidental release measures

Personal precautions: Obtain special instructions before use. Eliminate all ignition sources if safe to do so.

Wear appropriate protective equipment.

Take precautionary measures against static discharges. Keep unprotected people away.

Cordon off downwind area at risk and warn inhabitants. Do not breathe vapor or spray.

Avoid contact with the substance. Provide adequate ventilation.

Environmental precautions:

Do not empty into drains. Danger of explosion !

Methods for clean-up:

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13). Clean using cleansing agents. Do not use solvents. In case of release, notify competent authorities.

Additional information: Use only spark proof tools.

Beware of reignition.

7. Handling and storage

Handling

Advices on safe handling: Avoid exposure - obtain special instructions before use. Avoid generation of vapors/aerosols. Do not breathe vapor or spray. When using do not eat, drink or smoke. Wash hands before breaks and after work. Provide adequate ventilation, and local exhaust as needed. Avoid contact with skin and eyes. Do not allow containers to stand open. Wear appropriate protective equipment. Guarantee sufficient ventilation during and after use, in order to prevent vapour accumulation. Take off contaminated clothing and wash it before reuse.

Precautions against fire and explosion:

Keep away from sources of ignition - No smoking.

Take precautionary measures against static discharges.

Use only explosion-protected equipment/instruments. Do not weld.

In partially filled containers explosive mixtures may form.

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Storage

Requirements for storerooms and containers:

storage temperature: 59 °F up to 86 °F. Keep container tightly closed and in a well-ventilated place. Keep container dry. Keep in a cool place. Provide solvent resistant flooring.

Hints on joint storage: Do not store together with combustible or self-igniting materials or any highly flammable solids. Do not store together with food. Keep away from strong oxidizing agents, strong bases and strong acids.

8. Exposure controls / personal protection

Exposure guidelines

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
67-64-1	Acetone	USA: ACGIH: STEL	500 ppm
		USA: ACGIH: TWA	250 ppm
		USA: NIOSH: TWA	590 mg/m ³ ; 250 ppm
		USA: OSHA: TWA	2400 mg/m ³ ; 1000 ppm
107-98-2	1-Methoxy-2-propanol	USA: ACGIH: STEL	369 mg/m ³ ; 100 ppm
		USA: ACGIH: TWA	184 mg/m ³ ; 50 ppm
		USA: NIOSH: STEL	540 mg/m ³ ; 150 ppm
		USA: NIOSH: TWA	360 mg/m ³ ; 100 ppm

Biological limit values:

CAS No.	Designation	Type	Limit value	Parameter	Sampling
67-64-1	Acetone	USA: ACGIH-BEI, urine	25 mg/L	acetone	end of exposure or end of shift

Engineering controls

Provide for good ventilation or exhaust system or work with completely self-contained equipment. Explosion protection required.

See also information in chapter 7, section storage.

Personal protection equipment (PPE)

Eye/face protection: Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010.

Skin protection: Wear flame-resistant antistatic protective clothing.
Chemical resistant safety shoes
Protective gloves according to OSHA Standard - 29 CFR: 1910.138.
Glove material: Butyl caoutchouc (butyl rubber)-Layer thickness: 0.7 mm.
Breakthrough time: >480 min.
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Respiratory protection: Respiratory protection must be worn whenever the TLV (WEL) levels have been exceeded.

The filter class must be suitable for the maximum contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product.
For short or minimal exposure: respiratory filter; in cases of longer exposure: supplied air respirator.

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General hygiene considerations:

Avoid exposure - obtain special instructions before use. Use only non-sparking tools. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Do not breathe vapor or spray. When using do not eat, drink or smoke. Avoid contact with skin and eyes. Take off contaminated clothing and wash it before reuse. After work, wash hands and face. Safety shower and eye wash station should be easily accessible to the work area.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance:	Form: liquid Color: varying
Odor:	characteristic
Odor threshold:	No data available
pH value:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flash point/flash point range:	6.8 °F
Evaporation rate:	No data available
Flammability:	Highly flammable liquid and vapor.
Explosion limits:	LEL (Lower Explosion Limit): 2.6 Vol-% UEL (Upper Explosive Limit): 13 Vol-%
Vapor pressure:	at 68 °F: 233 hPa
Vapor density:	No data available
Density:	at 68 °F: 0.97 g/mL
Water solubility:	slightly miscible
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Thermal decomposition:	No data available
Viscosity, kinematic:	15 - 25 s (DIN 4)
Explosive properties:	Product is not explosive. Vapors may form explosive mixtures with air.
Ignition temperature:	797 °F

10. Stability and reactivity

Reactivity:	Highly flammable liquid and vapor. Vapors may form explosive mixtures with air.
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions	Heating will lead to pressure increase: Danger of bursting and explosion.
Conditions to avoid:	Keep away from heat sources, sparks and open flames. Protect against direct sunlight.
Incompatible materials:	Strong oxidizing agents, strong bases, strong acids.

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Hazardous decomposition products:

In case of fire may be liberated: carbon monoxide and carbon dioxide. During fire: produces thick black smoke that may be hazardous to health. Exposure to heat may produce hazardous decomposition products.

Thermal decomposition: No data available

11. Toxicological information

Toxicological tests

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral): Lack of data.

Acute toxicity (dermal): Lack of data.

Acute toxicity (inhalative): Lack of data.

Skin corrosion/irritation: Lack of data.

Serious eye damage/irritation: Eye Irritation - Category 2A = Causes serious eye irritation.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Lack of data.

Germ cell mutagenicity/Genotoxicity: Lack of data.

Carcinogenicity: Lack of data.

Reproductive toxicity: Reproductive toxicant - Category 2 = Suspected of damaging fertility or the unborn child.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Specific Target Organ Toxicity (Single Exposure) - Category 3 = May cause drowsiness or dizziness.

Specific target organ toxicity (repeated exposure): Lack of data.

Aspiration hazard: Lack of data.

Symptoms

In case of inhalation:

Inhaling can lead to irritations of the respiratory tract and mucous membrane. Vapors in high concentrations have anaesthetic effect.

Headache, Dizziness, fatigue, drowsiness, amyosthenia, unconsciousness.

In case of ingestion:

Nausea, vomiting, abdominal pain, gastrointestinal complaints, blood pressure drop.

After contact with skin:

The product can be absorbed through skin. Has degreasing effect on the skin. Lengthy or repeated contact may cause skin irritation.

After eye contact:

The liquid splashed in the eyes may cause irritation or reversible effects.

12. Ecological information

Ecotoxicity

Further details: No data available

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Mobility in soil

No data available

Persistence and degradability

Further details: No data available

Additional ecological information

Volatile organic compounds (VOC):

65 %

General information: Do not allow to enter into ground-water, surface water or drains.

13. Disposal considerations

Product

Recommendation: Dispose of waste according to applicable legislation.
Incinerate as hazardous waste according to applicable local, state, and federal regulations.

Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation.
Non-contaminated packages may be recycled.

14. Transport information

USA: Department of Transportation (DOT)

Identification number: UN1263
Proper shipping name: UN 1263, UN 1263, Paint
Hazard class or Division: 3
Packing Group: II
Labels: 3
Special provisions: 149, 367, B52, IB2, T4, TP1, TP8, TP28
Packaging – Exceptions: 150
Packaging – Non-bulk: 173
Packaging – Bulk: 242
Quantity limitations – Passenger aircraft / rail: 5 L
Quantity limitations – Cargo only: 60 L
Vessel stowage – Location: B



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Sea transport (IMDG)

UN number: UN 1263
Proper shipping name: UN 1263, Paint
Class or division, Subsidiary risk: Class 3, Subrisk -
Packing Group: II
EmS: F-E, S-E
Special provisions: 163, 367
Limited quantities: 5 L
Excepted quantities: E2
Contaminated packaging - Instructions: P001
Contaminated packaging - Provisions: PP1
IBC - Instructions: IBC02
IBC - Provisions: -
Tank instructions - IMO: -
Tank instructions - UN: T4
Tank instructions - Provisions: TP1, TP8, TP28
Stowage and handling: Category B.
Properties and observations: Miscibility with water depends upon the composition.
Marine pollutant: no
Segregation group: none

Air transport (IATA)

UN/ID number: UN 1263
Proper shipping name: UN 1263, Paint
Class or division, Subsidiary risk: Class 3
Packing Group: II
Hazard label: Flamm. liquid
Excepted Quantity Code: E2
Passenger and Cargo Aircraft: Ltd.Qty.: Pack.Instr. Y341 - Max. Net Qty/Pkg. 1 L
Passenger and Cargo Aircraft: Pack.Instr. 353 - Max. Net Qty/Pkg. 5 L
Cargo Aircraft only: Pack.Instr. 364 - Max. Net Qty/Pkg. 60 L
Special provisions: A3 A72 A192
Emergency Response Guide-Code (ERG): 3L

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15. Regulatory information

National regulations - U.S. Federal Regulations

Acetone:	TSCA Inventory: listed TSCA HPVC: not listed Clean Air Act: SOCMI Chemical: yes Other Environmental Laws: CERCLA: RQ 5000 lbs. RCRA Hazardous Wastes: Code U002 RCRA Groundwater Monitoring: Methods 8240 / PQL 100 NIOSH Recommendations: Occupational Health Guideline: 0004*
1-Methoxy-2-propanol:	TSCA Inventory: listed TSCA HPVC: not listed Clean Air Act: SOCMI Chemical: yes NIOSH Recommendations: Occupational Health Guideline: 0536
Glycollic acid butyl ester:	TSCA Inventory: listed TSCA HPVC: not listed

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National regulations - U.S. State Regulations

Product: Delaware Air Quality Management List:
DRQ: 5000 - RQ State: Federal Regulations Apply
Idaho Air Pollutant List: Title 585/Title 586: -
Massachusetts Haz. Substance codes: 2,4,5,6 F8 F9
Minnesota Haz. Substance:
Codes: ANO - Ratings: 9.7 - Status: Air Pollutant Title III. TRI.
New Jersey RTK Hazardous Substance:
DOT: 1193 - Sub No.: 1258 - TPQ: -
New York List of Hazardous Substances:
RQ-Air: 5000 - RQ-Land: 1 - Note: No Note Associated with this chemical.
Pennsylvania Haz. Substance code: E
Washington Air Contaminant:
TWA: 200 ppm - 590 mg - STEL: 300 ppm - 885 mg

Acetone: California Prop 65 List: None
Delaware Air Quality Management List:
DRQ: 5000 - RQ State: Federal Regulations Apply
Idaho Air Pollutant List:
Title 585: AAC: 89 - EL: 119 - OEL: 1780
Massachusetts Haz. Substance codes: 2,4,5,6 F8 F9
Minnesota Haz. Substance:
Codes: AON - Ratings: 7.16 - Status: Title III
New York List of Hazardous Substances:
RQ-Air: 5000 - RQ-Land: 1 - Note: No Note Associated with this chemical.
Pennsylvania Haz. Substance code: E
Washington Air Contaminant:
TWA: 750 ppm - 1800 mg - STEL: 1000 ppm - 2400 mg

1-Methoxy-2-propanol: Idaho Air Pollutant List:
Title 585: AAC: 18 - EL: 24 - OEL: 360 - Title 586: -
Massachusetts Haz. Substance codes: 4,6 F8
Minnesota Haz. Substance:
Codes: A - Ratings: 8.12 - Status: -
Pennsylvania Haz. Substance code: -
Washington Air Contaminant:
TWA: 100 ppm - 360 mg - STEL: 150 ppm - 540 mg

Delaware Air Quality Management List:
DRQ: 5000 - RQ State: Federal Regulations Apply
Idaho Air Pollutant List: Title 585/Title 586: -
Massachusetts Haz. Substance codes: 2,4,5,6 F8 F9
Minnesota Haz. Substance:
Codes: ANO - Ratings: 9.7 - Status: Air Pollutant Title III. TRI.
New Jersey RTK Hazardous Substance:
DOT: 1193 - Sub No.: 1258 - TPQ: -
New York List of Hazardous Substances:
RQ-Air: 5000 - RQ-Land: 1 - Note: No Note Associated with this chemical.
Pennsylvania Haz. Substance code: E
Washington Air Contaminant:
TWA: 200 ppm - 590 mg - STEL: 300 ppm - 885 mg

National regulations - Great Britain

Hazchem-Code: •3YE

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16. Other information

Text for labeling: Contains 40 - 60 % Acetone, 1 - 5 % 1-Methoxy-2-propanol, 1 - 3 % Glycollic acid butyl ester. Safety data sheet available on request.

Hazard rating systems:



NFPA Hazard Rating:

Health: 3 (Serious)
Fire: 3 (Serious)
Reactivity: 1 (Slight)

HMIS Version III Rating:

Health: 3 (Serious) - Chronic effects
Flammability: 3 (Serious)
Physical Hazard: 1 (Slight)
Personal Protection: X = Consult your supervisor

HEALTH	*	3
FLAMMABILITY		3
PHYSICAL HAZARD		1
		X

Date of first version: 7/7/2015

Department issuing data sheet

Contact person: see section 1: Dept. responsible for information

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.