

Printing date 05/07/2018

Reviewed on 05/07/2018

1 Identification

- **Product identifier**
- **Trade name:** FSG
- **Article number:** C532
- **Application of the substance / the mixture** Protective coating
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Printers' Service, Inc.
26 Blanchard Street
Newark, NJ 07105
USA
- **Information department:** 1-973-589-7800, Prisco email address - safety@prisco.com
- **Emergency telephone number:** CHEMTREC (24 hr) 1-800-424-9300

2 Hazard(s) identification

- **Classification of the substance or mixture**



Health hazard

- Muta. 1B H340 May cause genetic defects.
- Carc. 1B H350 May cause cancer.



- Skin Irrit. 2 H315 Causes skin irritation.
- Eye Irrit. 2A H319 Causes serious eye irritation.

- **Label elements**
- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS07 GHS08

- **Signal word** Danger
- **Hazard-determining components of labeling:**
aliphatic petroleum distillate (C8-12)
Stoddard solvent
- **Hazard statements**
Causes skin irritation.
Causes serious eye irritation.
May cause genetic defects.
May cause cancer.
- **Precautionary statements**
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wash thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
If on skin: Wash with plenty of water.

(Contd. on page 2)

Printing date 05/07/2018

Reviewed on 05/07/2018

Trade name: FSG

(Contd. of page 1)

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.

Specific treatment (see on this label).

Take off contaminated clothing and wash it before reuse.

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

• Classification system:

• NFPA ratings (scale 0 - 4)



• HMIS-ratings (scale 0 - 4)

HEALTH	1
FIRE	0
REACTIVITY	0

• Other hazards

• Results of PBT and vPvB assessment

• PBT: Not applicable.

• vPvB: Not applicable.

3 Composition/information on ingredients

• Chemical characterization: Mixtures

• Description: Mixture of the substances listed below with nonhazardous additions.

• Dangerous components:

CAS: 64741-41-9 aliphatic petroleum distillate (C8-12) ≤0.5%

CAS: 8052-42-4 Asphalt ≤0.5%

RTECS: CI 9900000

CAS: 8052-41-3 Stoddard solvent ≤0.5%

RTECS: WJ 8925000

• Additional information: For the wording of the listed hazard phrases refer to section 16.

4 First-aid measures

• Description of first aid measures

• After inhalation: In case of unconsciousness place patient stably in side position for transportation.

• After skin contact: Immediately wash with water and soap and rinse thoroughly.

• After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

• After swallowing: If symptoms persist consult doctor.

• Information for doctor:

• Most important symptoms and effects, both acute and delayed No further relevant information available.

• Indication of any immediate medical attention and special treatment needed

No further relevant information available.

USA

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/07/2018

Reviewed on 05/07/2018

Trade name: FSG

(Contd. of page 2)

* 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

* 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust) and place into removal containers
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **Reference to other sections**
No dangerous substances are released.
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**
- **PAC-1:**
All ingredients are listed.
- **PAC-2:**
All ingredients are listed.
- **PAC-3:**
All ingredients are listed.

* 7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Store in cool, dry place in tightly closed receptacles.
Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

* 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
At this time, the remaining constituent has no known exposure limits.

(Contd. on page 4)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/07/2018

Reviewed on 05/07/2018

Trade name: FSG

(Contd. of page 3)

56-81-5 glycerol

PEL Long-term value: 15* 5** mg/m³
mist; *total dust **respirable fraction

TLV TLV withdrawn-insufficient data human occup. exp.

8052-42-4 Asphalt

REL Ceiling limit value: 5* mg/m³
*15-min; See Pocket Guide App. A

TLV Long-term value: 0.5* mg/m³
*inh. fraction; as benzene-soluble aerosol; BEIp

8052-41-3 Stoddard solvent

PEL Long-term value: 2900 mg/m³, 500 ppm

REL Long-term value: 350 mg/m³
Ceiling limit value: 1800* mg/m³
*15-min

TLV Long-term value: 525 mg/m³, 100 ppm

Ingredients with biological limit values:**8052-42-4 Asphalt**

BEI -

Medium: urine

Time: end of shift at end of workweek

Parameter: 1-Hydroxypyrene with hydrolysis (nonquantitative)

• **Additional information:** The lists that were valid during the creation were used as basis.

• **Exposure controls**• **Personal protective equipment:**• **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes and skin.

• **Breathing equipment:**

In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Suitable respiratory protective device recommended, but not necessary if room is well-ventilated.

• **Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

• **Material of gloves**

To find the recommended glove material to use when handling Prisco® pressroom chemistry we advise to visit www.prisco.com. Choose location & preferred language and go to the "Support" drop-down box where you select: "Safety Glove Recommendation". Now click on the PDF-hyperlink to obtain the document in the language of your preference.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

• **Penetration time of glove material**

The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.

(Contd. on page 5)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/07/2018

Reviewed on 05/07/2018

Trade name: FSG

(Contd. of page 4)

· Eye protection:



Tightly sealed goggles

* **9 Physical and chemical properties**

· Information on basic physical and chemical properties

· General Information

· Appearance:

Form:	Fluid
Color:	Black
Odor:	Characteristic
Odor threshold:	Not determined.
pH-value:	Not determined.

· Change in condition

Melting point/Melting range:	Not Applicable
Boiling point/Boiling range:	100 °C (212 °F)

· Flash point: >100 °C (>212 °F)

· Flammability (solid, gaseous): Not applicable.

· Ignition temperature: Not determined.

· Decomposition temperature: Not information available

· Auto igniting: Product is not selfigniting.

· Danger of explosion: In use, may form flammable/explosive vapour-air mixture.

· Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

· Vapor pressure at 20 °C (68 °F): 23 hPa (17.3 mm Hg)

· Density at 20 °C (68 °F): 1.08 g/cm³ (9.01 lbs/gal)

· Relative density: Not determined.

· Vapor density: Not determined.

· Evaporation rate: Not determined.

· Solubility in / Miscibility with

Water: Soluble.

· Partition coefficient (n-octanol/water): Not determined.

· Viscosity:

Kinematic: Not determined.

· Solvent content:

VOC content 15.2 g/l / 0.13 lb/gl

· Other information: No further relevant information available.

* **10 Stability and reactivity**

· Reactivity Avoid strong oxidizing agents, strong bases and strong acids.

· Chemical stability Stable under normal conditions

· Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

(Contd. on page 6)

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/07/2018

Reviewed on 05/07/2018

Trade name: FSG

(Contd. of page 5)

- *Possibility of hazardous reactions* No dangerous reactions known.
- *Conditions to avoid* No further relevant information available.
- *Incompatible materials:* No further relevant information available.
- *Hazardous decomposition products:* Carbon monoxide and carbon dioxide

* 11 Toxicological information

- *Information on toxicological effects*
 - *Acute toxicity:*
 - *LD/LC50 values that are relevant for classification:*
-
- 64741-41-9 aliphatic petroleum distillate (C8-12)
- Oral LD50 25,000 mg/kg (rat)
- Inhalative LC50/4 h 700 mg/l (rat)
- 64742-95-6 solvent naphtha (petroleum), light arom.
- Oral LD50 >6,800 mg/kg (rat)
- Dermal LD50 >3,400 mg/kg (rab)
- Inhalative LC50/4 h >10.2 mg/l (rat)
- *Primary irritant effect:*
 - *on the skin:* Irritant to skin and mucous membranes.
 - *on the eye:* Irritating effect.
 - *Sensitization:* No sensitizing effects known.
 - *Additional toxicological information:*
- The product shows the following dangers according to internally approved calculation methods for preparations:
 Product may cause irritation.
 The product can cause inheritable damage.
- *Carcinogenic categories*
 - *IARC (International Agency for Research on Cancer)*
-
- 8052-42-4 Asphalt: 2B
- *NTP (National Toxicology Program)*
-
- None of the ingredients is listed.
- *OSHA-Ca (Occupational Safety & Health Administration)*
-
- None of the ingredients is listed.

* 12 Ecological information

- *Toxicity*
- *Aquatic toxicity:* No further relevant information available.
- *Persistence and degradability* No further relevant information available.
- *Behavior in environmental systems:*
- *Bioaccumulative potential* No further relevant information available.
- *Mobility in soil* No further relevant information available.
- *Additional ecological information:*
- *General notes:* Not known to be hazardous to water.
- *Results of PBT and vPvB assessment*
- *PBT:* Not applicable.
- *vPvB:* Not applicable.
- *Other adverse effects* No further relevant information available.

—USA—

(Contd. on page 7)

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/07/2018

Reviewed on 05/07/2018

Trade name: FSG

(Contd. of page 6)

* **13 Disposal considerations**

- Waste treatment methods
- Recommendation:
Product must not be disposed of together with household refuse. Do not allow product to reach sewage system.
- Uncleaned packagings:
- Recommendation: Disposal must be made according to official regulations.

* **14 Transport information**

- DOT, ADN Non regulated
- UN proper shipping name
- DOT, ADR, ADN Non regulated
- Transport hazard class(es)
- DOT, ADR, ADN
- Class Non regulated
- Packing group
- DOT, ADR Non regulated
- Environmental hazards: Not applicable.
- Special precautions for user Not applicable.
- Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.
- UN "Model Regulation": Non regulated

* **15 Regulatory information**

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara
- Section 355 (extremely hazardous substances):
75-21-8 ethylene oxide
75-56-9 propylene oxide
- Section 313 (Specific toxic chemical listings):
None of the ingredients is listed.
- TSCA (Toxic Substances Control Act):
All ingredients are listed.
- **THE SECTION BELOW IS APPLICABLE ONLY TO THE END-USERS LOCATED IN CALIFORNIA**
- California Proposition 65 Statements
Warning: This product contains a chemical known to the State of California to cause cancer.
Warning: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.
- California Proposition 65 chemicals known to cause cancer:
98-82-8 cumene
100-41-4 ethylbenzene
91-20-3 naphthalene
71-43-2 benzene
123-91-1 1,4-dioxane
75-21-8 ethylene oxide
75-56-9 propylene oxide
75-07-0 acetaldehyde
- California Proposition 65 chemicals known to cause reproductive toxicity for females:
75-21-8 ethylene oxide

(Contd. on page 8)

USA

Safety Data Sheet
acc. to OSHA HCS

Printing date 05/07/2018

Reviewed on 05/07/2018

Trade name: FSG

(Contd. of page 7)

· **California Proposition 65 chemicals known to cause reproductive toxicity for males:**

110-54-3 n-hexane

71-43-2 benzene

75-21-8 ethylene oxide

· **California Proposition 65 chemicals known to cause developmental toxicity:**

108-88-3 toluene

71-43-2 benzene

75-21-8 ethylene oxide

107-21-1 ethylene glycol

· **Carcinogenicity categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

8052-42-4 Asphalt

· **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



GHS07 GHS08

· **Signal word** Danger

· **Hazard-determining components of labeling:**

aliphatic petroleum distillate (C8-12)

Stoddard solvent

· **Hazard statements**

Causes skin irritation.

Causes serious eye irritation.

May cause genetic defects.

May cause cancer.

· **Precautionary statements**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Wash thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

If on skin: Wash with plenty of water.

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.

Specific treatment (see on this label).

Take off contaminated clothing and wash it before reuse.

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

(Contd. on page 9)

USA

Safety Data Sheet
acc. to OSHA HCS

Page 9/9

Printing date 05/07/2018

Reviewed on 05/07/2018

Trade name: FSG

(Contd. of page 8)

- **National regulations:**
- **Additional classification according to Decree on Hazardous Materials:**
Carcinogenic hazardous material group III (dangerous).
- **Information about limitation of use:**
Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation.
Exceptions can be made by the authorities in certain cases.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

* **16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:**
- **Contact:** CHEMTREC (24hr) 1-800-424-9300, Printers Service 1-973-589-7800
- **Date of preparation / last revision** 05/07/2018 / -

• **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

BEI: Biological Exposure Limit

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

Muta. 1B: Germ cell mutagenicity – Category 1B

Carc. 1B: Carcinogenicity – Category 1B

- * **Data compared to the previous version altered.**

USA

