

## Safety Data Sheet

### PG100 FAST-DRYING ASPHALT SPRAY PRIMER

Safety Data Sheet dated: 07/23/2020 - version 2

Date of first edition: 04/16/2020

## 1. Identification

### Product identifier

Mixture identification:

Trade name: PG100 FAST-DRYING ASPHALT SPRAY PRIMER

### Recommended use and restrictions on use

Recommended use: Bituminous adhesive solvent based

Restrictions on use: N.A.

### Supplier's details

Company: Polyglass U.S.A. Inc.

1111 West Newport Center Drive

33442 - Deerfield Beach - FL - USA

Phone: 866-222-9782

### Emergency phone number

(USA) CHEMTREC 1-800-424-9300

(Canada) CANUTEC 1-613-996-6666

## 2. Hazard identification



### Classification of the product

Flam. Aerosol 1                      Extremely flammable aerosol.

Compr. Gas                              Contains gas under pressure; may explode if heated.

### Label elements

#### Pictograms and Signal Words



Danger

### Hazard statements:

H222                              Extremely flammable aerosol.

H280                              Contains gas under pressure; may explode if heated.

### Precautionary statements:

P210                              Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211                              Do not spray on an open flame or other ignition source.

P251                              Do not pierce or burn, even after use.

P403                              Store in a well-ventilated place.

P410+P412                      Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.

### Other hazards

None

### Ingredient(s) with unknown acute toxicity

None

## 3. Composition/information on ingredients

### Substances

N.A.

### Mixtures

Hazardous components within the meaning of WHMIS 2015 and related classification:

### List of components

Quantity	Name	Ident. Numb.	Classification	Registration Number
25-50 %	DIMETHYL ETHER	CAS:115-10-6	Flam. Gas 1, H220; Compr. Gas, H280	
20-25 %	Petroleum hydrocarbons	CAS:8052-41-3	Flam. Liq. 3, H226; Skin Irrit. 2, H315; Eye Irrit. 2B, H320; STOT SE 3, H336; Aquatic Acute 2, H401; Aquatic Chronic 2, H411; Asp. Tox. 1, H304	
< 0.1 %	METHYL ISOBUTYL KETONE	CAS:108-10-1	Flam. Liq. 2, H225; Acute Tox. 4, H332; STOT SE 3, H335	

The actual concentration of the components listed above is withheld as a trade secret.

#### 4. First-aid measures

##### Description of necessary first-aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

Wash immediately with water.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

##### Most important symptoms/effects, acute and delayed

N.A.

##### Indication of immediate medical attention and special treatment needed, if necessary

#### 5. Fire-fighting measures

##### Suitable and unsuitable extinguishing media

Suitable extinguishing media:

CO2 or Dry chemical fire extinguisher.

Unsuitable extinguishing media:

None in particular.

##### Specific hazards arising from the hazardous product

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Hazardous combustion products: N.A.

Explosive properties: N.A.

Oxidizing properties: N.A.

##### Special protective equipment and precautions for fire-fighters

Use suitable breathing apparatus.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

#### 6. Accidental release measures

##### Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove all sources of ignition.

Remove persons to safety.

See protective measures under point 7 and 8.

##### Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

#### 7. Handling and storage

##### Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

**Conditions for safe storage, including any incompatibilities**

Storage temperature: N.A.

Always keep in a well ventilated place.

Store at below 20 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

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**8. Exposure controls/personal protection**

**Control parameters**

**List of components with OEL value**

Component	OEL Type	Country	Ceiling	Long Term mg/m3	Long Term ppm	Short Term mg/m3	Short Term ppm	Behaviour	Note
DIMETHYL ETHER	EU			1920	1000			Indicative	
	MAK	GERMANY		1900	1000				
	MAK	AUSTRIA		1910	1000	3820	2000		
	MAK	SWITZERLAND		1910	1000				
Petroleum hydrocarbons	OSHA			2900	500				
	ACGIH				100				CNS impairment;eye, kidney and skin damage;nausea;
	ACGIH				100				CNS impairment;eye, kidney and skin damage;nausea
METHYL ISOBUTYL KETONE	MAK	GERMANY		83	20				
	OSHA			410	100				
	ACGIH				20		75		A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans;upper respiratory tract irritation;dizziness; headache
	MAK	AUSTRIA		83	20	208	50		
	MAK	SWITZERLAND		82	20				
	EU			83	20	208	50	Indicative	

**Biological Exposure Index**

CAS-No.	Component	Value	UoM	Medium	Biological Indicator	Sampling Period
108-10-1	METHYL ISOBUTYL KETONE	1	mg/L	Urine	MIBK	End of turn

**Appropriate engineering controls**

N.A.

**Individual protection measures, such as personal protective equipment (PPE)**

Eye protection:

Not needed for normal use. Anyway, operate according good working practices.

Protection for skin:

No special precaution must be adopted for normal use.

Protection for hands:

Not needed for normal use.

Respiratory protection:

N.A.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Physical state: Liquid  
Appearance and colour: aerosol Black  
Odour: hydrocarbons like  
Odour threshold: N.A.  
pH: N.A.  
Melting point / freezing point: N.A.  
Initial boiling point and boiling range: 116 °C (241 °F)  
Flash point: 12.2 °C (54.0 °F)  
Evaporation rate: N.A.  
Upper/lower flammability or explosive limits: N.A.  
Vapour density: N.A.  
Vapour pressure: N.A.  
Relative density: 0.92 g/cm<sup>3</sup>  
Solubility in water: Insoluble  
Solubility in oil: N.A.  
Partition coefficient (n-octanol/water): N.A.  
Auto-ignition temperature: N.A.  
Decomposition temperature: N.A.  
Viscosity: N.A.  
Explosive properties: N.A.  
Oxidizing properties: N.A.  
Solid/gas flammability: N.A.

### Other information

Substance Groups relevant properties N.A.  
Miscibility: N.A.  
Fat Solubility: N.A.  
Conductivity: N.A.

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## 10. Stability and reactivity

### Reactivity

Stable under normal conditions

### Chemical stability

Data not available.

### Possibility of hazardous reactions

None.

### Conditions to avoid

Stable under normal conditions.

### Incompatible materials

Avoid contact with combustible materials. The product could catch fire.

### Hazardous decomposition products

None.

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## 11. Toxicological information

### Information on toxicological effects

#### Toxicological information of the mixture:

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

#### Toxicological information on main components of the mixture:

DIMETHYL ETHER	a) acute toxicity	LC50 Inhalation Rat = 3085 mg/l 4h LC50 Inhalation Rat = 164000 ppm 4h
METHYL ISOBUTYL KETONE	a) acute toxicity	LD50 Skin Rabbit = 3000 mg/kg  LC50 Inhalation Rat 2000 ppm 4h LD50 Oral Rat = 2080 mg/kg

If not differently specified, the information required in the regulation and listed below must be considered as N.A.

- a) acute toxicity
- b) skin corrosion/irritation
- c) serious eye damage/irritation
- d) respiratory or skin sensitisation
- e) germ cell mutagenicity
- f) carcinogenicity
- g) reproductive toxicity
- h) STOT-single exposure  
Toxicological kinetics, metabolism  
and distribution information
- i) STOT-repeated exposure
- j) aspiration hazard

**Substance(s) listed on the IARC Monographs:**

METHYL ISOBUTYL KETONE          Group 2B

**Substance(s) listed as OSHA Carcinogen(s):**

METHYL ISOBUTYL KETONE

**Substance(s) listed as NIOSH Carcinogen(s):**

None

**Substance(s) listed on the NTP report on Carcinogens:**

None

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## 12. Ecological information

### Ecotoxicity

Adopt good working practices, so that the product is not released into the environment.

### List of components with eco-toxicological properties

Component	Ident. Numb.	Ecotox Infos
DIMETHYL ETHER	CAS: 115-10-6	a) Aquatic acute toxicity : LC50 Fish Poecilia reticulata > 4.1 g/l 96h ECHA
METHYL ISOBUTYL KETONE	CAS: 108-10-1	a) Aquatic acute toxicity : LC50 Fish Pimephales promelas 496 mg/L 96h EPA a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna = 170 mg/L 48h IUCLID  a) Aquatic acute toxicity : EC50 Algae Pseudokirchneriella subcapitata = 400 mg/L 96h IUCLID

### Persistence and degradability

N.A.

### Bioaccumulative potential

N.A.

### Mobility in soil

N.A.

### Other adverse effects

N.A.

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## 13. Disposal considerations

### Safe handling and methods for disposal

The generation of waste should be avoided or minimized wherever possible. Recover if possible.

Methods of disposal:

Disposal of this product, solutions, packaging and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor.

Do not dispose of waste into sewers.

Disposal considerations:

Do not allow to enter drains or watercourses.

Dispose of product according to all federal, state and local applicable regulations.

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be

assigned.

Dispose of containers contaminated by the product in accordance with local or national legal provisions. For further information, contact your local waste authority.

**Special precautions:**

This material and its container must be disposed of in a safe way. Care should be taken when handling untreated empty containers.

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Empty containers or liners may retain some product residues. Do not re-use empty containers.

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## **14. Transport information**

### **UN number**

TDG-UN number: UN1950

ADR-UN number: 1950

DOT-UN Number: UN1950

IATA-Un number: 1950

IMDG-Un number: 1950

### **UN proper shipping name**

TDG-Shipping Name: AEROSOLS

ADR-Shipping Name: AEROSOLS

DOT-Proper Shipping Name: Aerosols, flammable, (each not exceeding 1 L capacity)

IATA-Technical name: AEROSOLS, FLAMMABLE

IMDG-Technical name: AEROSOLS

### **Transport hazard class(es)**

TDG-Class: 2.1

ADR-Class: 2

DOT-Hazard Class: 2.1

IATA-Class: 2.1

IMDG-Class: 2

### **Packing group**

TDG-Packing Group: -

ADR-Packing Group: -

DOT Packing Group: -

IATA-Packing group: -

IMDG-Packing group: -

### **Environmental hazards**

Marine pollutant: No

Environmental Pollutant: N.A.

### **Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)**

N.A.

### **Special precautions in connection with transport or conveyance**

TDG:

TDG Special provisions: 80, 107

Department of Transportation (DOT):

DOT-Special Provision(s): N82

DOT-Label(s): 2.1

DOT-Symbol: N/A

DOT-Cargo Aircraft: N/A

DOT-Passenger Aircraft: N/A

DOT-Bulk: N/A

DOT-Non-Bulk: N/A

Road and Rail (ADR-RID) :

ADR-Label: 2.1

ADR-Hazard identification number: -

ADR-Transport category (Tunnel restriction code): 2 (D)

Air (IATA) :

IATA-Passenger Aircraft: 203

IATA-Cargo Aircraft: 203

IATA-Label: 2.1

IATA-Subsidiary hazards: -

IATA-Erg: 10L

IATA-Special Provisioning: A145 A167 A802

Sea ( IMDG ) :

IMDG-Stowage Code: SW1 SW22

IMDG-Stowage Note: SG69

IMDG-Subsidiary hazards: See SP63

IMDG-Special Provisioning: 63 190 277 327 344 381 959

IMDG-Page: N/A

IMDG-Label: N/A

IMDG-EMS: F-D, S-U

IMDG-MFAG: N/A

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## 15. Regulatory information

### Canada - Federal regulations

#### DSL - Domestic Substances List

##### DSL Inventory:

All the substances are listed in the DSL.

#### NDSL - Non Domestic Substances List

##### NDSL Inventory:

No substances listed

#### NPRI - National Pollutant Release Inventory

##### Substances listed in NPRI:

No substances listed

### USA - Federal regulations

#### TSCA - Toxic Substances Control Act

##### TSCA inventory:

All the components are listed on the TSCA inventory

##### TSCA listed substances:

DIMETHYL ETHER is listed in TSCA Section 8b

Petroleum hydrocarbons is listed in TSCA Section 8b

METHYL ISOBUTYL KETONE is listed in TSCA Section 8b

#### SARA - Superfund Amendments and Reauthorization Act

##### Section 302 - Extremely Hazardous Substances:

No substances listed

##### Section 304 - Hazardous substances:

METHYL ISOBUTYL KETONE

##### Section 313 - Toxic chemical list:

METHYL ISOBUTYL KETONE

#### CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

##### Substance(s) listed under CERCLA:

METHYL ISOBUTYL KETONE Reportable quantity: 5000 pounds

#### CAA - Clean Air Act

##### CAA listed substances:

DIMETHYL ETHER is listed in CAA Section 112(b) - HON

METHYL ISOBUTYL KETONE is listed in CAA Section 112(b) - HAP Section 112(b) - HON

#### CWA - Clean Water Act

##### CWA listed substances:

No substances listed

### USA - State specific regulations

#### California Proposition 65

##### Substance(s) listed under California Proposition 65:

METHYL ISOBUTYL KETONE Listed as carcinogen and reproductive toxicant

#### Massachusetts Right to know

##### Substance(s) listed under Massachusetts Right to know:

DIMETHYL ETHER

Petroleum hydrocarbons

METHYL ISOBUTYL KETONE

**Pennsylvania Right to know**

**Substance(s) listed under Pennsylvania Right to know:**

DIMETHYL ETHER  
Petroleum hydrocarbons  
METHYL ISOBUTYL KETONE

**New Jersey Right to know**

**Substance(s) listed under New Jersey Right to know:**

DIMETHYL ETHER  
Petroleum hydrocarbons  
METHYL ISOBUTYL KETONE

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**16. Other information**

<b>Code</b>	<b>Description</b>
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H320	Causes eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H401	Toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

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Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use. The information herein is presented in good faith and believed to be accurate as of the effective date given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

This document was prepared by a competent person who has received appropriate training.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

**Legend to abbreviations and acronyms used in the safety data sheet:**

- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
- RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.
- IMDG: International Maritime Code for Dangerous Goods.
- IATA: International Air Transport Association.
- IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
- ICAO: International Civil Aviation Organization.
- ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).
- GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
- CLP: Classification, Labeling, Packaging.
- EINECS: European Inventory of Existing Commercial Chemical Substances.
- INCI: International Nomenclature of Cosmetic Ingredients.
- CAS: Chemical Abstracts Service (division of the American Chemical Society).
- GefStoffVO: Ordinance on Hazardous Substances, Germany.
- LC50: Lethal concentration, for 50 percent of test population.
- LD50: Lethal dose, for 50 percent of test population.
- DNEL: Derived No Effect Level.
- PNEC: Predicted No Effect Concentration.
- TLV: Threshold Limiting Value.
- TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
- STEL: Short Term Exposure limit.



STOT: Specific Target Organ Toxicity.

WGK: German Water Hazard Class.

KSt: Explosion coefficient.

**Paragraphs modified from the previous revision:**

- 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING
- 2. HAZARDS IDENTIFICATION
- 3. COMPOSITION/INFORMATION ON INGREDIENTS
- 5. FIRE-FIGHTING MEASURES
- 6. ACCIDENTAL RELEASE MEASURES
- 7. HANDLING AND STORAGE
- 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
- 9. PHYSICAL AND CHEMICAL PROPERTIES
- 11. TOXICOLOGICAL INFORMATION
- 12. ECOLOGICAL INFORMATION
- 13. DISPOSAL CONSIDERATIONS
- 14. TRANSPORT INFORMATION
- 15. REGULATORY INFORMATION
- 16. OTHER INFORMATION