



**SAINT-GOBAIN**  
SAFETY DATA SHEET  
PLUS GAS

According to Regulation (EC) No 1907/2006, Annex II, as amended.

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

Product name PLUS GAS  
Internal identification L1220

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Identified uses Lubricant.  
Uses advised against Use only for intended applications.

**1.3. Details of the supplier of the safety data sheet**

Supplier Saint Gobain Abrasives  
Unicorn House  
Unit 1, Amison Close  
Redhill Business Park  
Stafford  
ST16 1WB  
UK  
01785 222000  
www.saint-gobain.co.uk

**1.4. Emergency telephone number**

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification (EC 1272/2008)**

Physical hazards Not Classified  
Health hazards STOT RE 1 - H372 Asp. Tox. 1 - H304  
Environmental hazards Aquatic Chronic 3 - H412

**2.2. Label elements**

**Hazard pictograms**



Signal word Danger

Hazard statements H372 Causes damage to organs (Central nervous system) through prolonged or repeated exposure.  
H412 Harmful to aquatic life with long lasting effects.  
H304 May be fatal if swallowed and enters airways.

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<b>Precautionary statements</b>	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P260 Do not breathe vapour/ spray. P270 Do not eat, drink or smoke when using this product. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. P331 Do NOT induce vomiting. P405 Store locked up. P501 Dispose of contents/ container in accordance with national regulations.
<b>Supplemental label information</b>	EUH066 Repeated exposure may cause skin dryness or cracking.
<b>UFI</b>	UFI: 5RC3-C0S3-D000-EPUV
<b>Contains</b>	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)</b>	<b>60-100%</b>
CAS number: —	EC number: 919-164-8
REACH registration number: 01-2119473977-17-XXXX	
<b>Classification</b> STOT RE 1 - H372 Asp. Tox. 1 - H304 Aquatic Chronic 3 - H412	
<b>WHITE MINERAL OIL (PETROLEUM)</b>	<b>10-30%</b>
CAS number: 8042-47-5	EC number: 232-455-8
REACH registration number: 01-2119487078-27-XXXX	
<b>Classification</b> Asp. Tox. 1 - H304	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>General information</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention. If medical advice is needed, have product container or label at hand. Show this Safety Data Sheet to the medical personnel.
<b>Inhalation</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention.
<b>Skin contact</b>	Wash skin thoroughly with soap and water.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if any discomfort continues.

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### 4.2. Most important symptoms and effects, both acute and delayed

<b>Inhalation</b>	Vapours may cause headache, fatigue, dizziness and nausea. Prolonged or repeated exposure may cause the following adverse effects: Central nervous system depression.
<b>Ingestion</b>	Gastrointestinal symptoms, including upset stomach. Aspiration hazard if swallowed. May be fatal if swallowed and enters airways.
<b>Skin contact</b>	Repeated exposure may cause skin dryness or cracking.
<b>Eye contact</b>	May cause discomfort.

### 4.3. Indication of any immediate medical attention and special treatment needed

**Notes for the doctor**            Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media**    Use alcohol-resistant foam, carbon dioxide or dry powder to extinguish.

### 5.2. Special hazards arising from the substance or mixture

**Hazardous combustion products**    Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

### 5.3. Advice for firefighters

**Protective actions during firefighting**    No specific firefighting precautions known.

## SECTION 6: Accidental release measures

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

**Personal precautions**            Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Do not touch or walk into spilled material. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours. Provide adequate ventilation. Take care as floors and other surfaces may become slippery. Avoid contact with contaminated tools and objects. Do not handle broken packages without protective equipment. Wash thoroughly after dealing with a spillage.

### 6.2. Environmental precautions

**Environmental precautions**    Do not discharge into drains or watercourses or onto the ground.

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

**Methods for cleaning up**            Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Wash thoroughly after dealing with a spillage.

### 6.4. Reference to other sections

**Reference to other sections**    Wear protective clothing as described in Section 8 of this safety data sheet.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

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**Usage precautions** Wear protective gloves. Avoid contact with skin and eyes. Do not breathe vapour/spray. Provide adequate ventilation. Keep container in a well-ventilated place. Do not eat, drink or smoke when using this product. Do not empty into drains. Keep out of the reach of children. Avoid contact with contaminated tools and objects. Do not handle broken packages without protective equipment. Do not spray on an open flame or other ignition source. Wash hands thoroughly after handling.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Store at temperatures between 4°C and 40°C. Keep out of the reach of children. Store in a cool and well-ventilated place. Keep locked up and out of the reach of children.

**Storage class** Miscellaneous hazardous material storage.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

**Ingredient comments** No exposure limits known for ingredient(s).

### 8.2. Exposure controls

#### Protective equipment



**Appropriate engineering controls** Provide adequate ventilation.

**Eye/face protection** Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with European Standard EN166. The following protection should be worn: Tight-fitting safety glasses.

**Hand protection** Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with European Standard EN374. The selected gloves should have a breakthrough time of at least 4 hours. The breakthrough time for any glove material may be different for different glove manufacturers. When used with mixtures, the protection time of gloves cannot be accurately estimated. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Protective gloves should have a minimum thickness of 0.15 mm. Glove thickness is not necessarily a good measure of glove resistance as the permeation rate will depend on the exact glove composition. The choice of protective gloves depends upon the chemicals being handled, and the conditions of work and use. Repeated exposure to chemicals will degrade the ability of the glove to provide resistance to chemicals. Specific work environments and material handling practices may vary, therefore safety procedures should be developed for each intended application. Gloves made from the following material may provide suitable chemical protection: Nitrile rubber. Rubber (natural, latex). Neoprene.

**Hygiene measures** Wash hands thoroughly after handling. Wash contaminated clothing before reuse.

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### Respiratory protection

Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Respirator selection must be based on exposure levels, the hazards of the product and the safe working limits of the selected respirator. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. Half mask and quarter mask respirators with replaceable filter cartridges should comply with European Standard EN140. Gas and combination filter cartridges should comply with European Standard EN14387. Particulate filters should comply with European Standard EN143. Disposable filtering half mask respirators should comply with European Standard EN149 or EN405. Check that the respirator fits tightly and the filter is changed regularly. Wear a respirator fitted with the following cartridge: Combination filter, type A2/P2. Organic vapour + dust and mist filter.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Appearance	Clear liquid.
Colour	Straw.
Odour	Kerosene.
pH	Not applicable.
Flash point	> 61°C Setflash closed cup.
Relative density	0.80 @ 25°C
Solubility(ies)	Insoluble in water.
Viscosity	Kinematic viscosity $\leq$ 20.5 mm <sup>2</sup> /s.

#### 9.2. Other information

Other information	Not determined.
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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#### 10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.
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#### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Not determined.
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#### 10.4. Conditions to avoid

Conditions to avoid	There are no known conditions that are likely to result in a hazardous situation.
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#### 10.5. Incompatible materials

Materials to avoid	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
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#### 10.6. Hazardous decomposition products

Hazardous decomposition products	Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO).
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### SECTION 11: Toxicological information

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### 11.1. Information on toxicological effects

#### Skin corrosion/irritation

**Skin corrosion/irritation** Read-across data. Based on available data the classification criteria are not met.

#### Serious eye damage/irritation

**Serious eye damage/irritation** Read-across data. Based on available data the classification criteria are not met.

#### Respiratory sensitisation

**Respiratory sensitisation** Read-across data. Based on available data the classification criteria are not met.

#### Skin sensitisation

**Skin sensitisation** Read-across data. Based on available data the classification criteria are not met.

#### Germ cell mutagenicity

**Genotoxicity - in vitro** Read-across data. Based on available data the classification criteria are not met.

**Genotoxicity - in vivo** Read-across data. Based on available data the classification criteria are not met.

#### Carcinogenicity

**Carcinogenicity** Read-across data. Based on available data the classification criteria are not met.

#### Reproductive toxicity

**Reproductive toxicity - fertility** Read-across data. Based on available data the classification criteria are not met.

**Reproductive toxicity - development** Read-across data. Does not contain any substances known to be toxic to reproduction.

#### Specific target organ toxicity - single exposure

**STOT - single exposure** Read-across data. Based on available data the classification criteria are not met.

#### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Prolonged or repeated exposure may cause the following adverse effects: Central and/or peripheral nervous system damage.

**Target organs** Central nervous system

#### Aspiration hazard

**Aspiration hazard** Aspiration hazard if swallowed. May be fatal if swallowed and enters airways. Kinematic viscosity  $\leq 20.5 \text{ mm}^2/\text{s}$ .

**Inhalation** Central nervous system depression.

**Ingestion** Gastrointestinal symptoms, including upset stomach. Aspiration hazard if swallowed. May be fatal if swallowed and enters airways.

**Skin contact** Repeated exposure may cause skin dryness or cracking.

**Eye contact** May cause discomfort.

**Route of exposure** Inhalation Ingestion

**Target organs** Central nervous system

### Toxicological information on ingredients.

#### Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

##### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 15,000.0

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**Species** Rat  
**ATE oral (mg/kg)** 15,000.0

**Acute toxicity - dermal**

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 3,400.0

**Species** Rabbit  
**ATE dermal (mg/kg)** 3,400.0

**Acute toxicity - inhalation**

**ATE inhalation (dusts/mists mg/l)** 13.1

**Specific target organ toxicity - repeated exposure**

**Target organs** Central nervous system

**WHITE MINERAL OIL (PETROLEUM)****Acute toxicity - oral**

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 2,000.1

**Species** Rat  
**ATE oral (mg/kg)** 2,000.1

**Acute toxicity - dermal**

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 2,000.1

**Species** Rat  
**ATE dermal (mg/kg)** 2,000.1

**Acute toxicity - inhalation**

**Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)** 2,000.1

**Species** Rat  
**ATE inhalation (vapours mg/l)** 2,000.1

**SECTION 12: Ecological information**

**Ecotoxicity** Harmful to aquatic life with long lasting effects.

**12.1. Toxicity****Acute aquatic toxicity**

**Acute toxicity - fish** Not determined.

**Ecological information on ingredients.**

**Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)**

**Acute aquatic toxicity**

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<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: 10 mg/l, Oncorhynchus mykiss (Rainbow trout)
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: 10-22 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	IC <sub>50</sub> , 72 hours: 10 mg/l, Pseudokirchneriella subcapitata
<b>Chronic aquatic toxicity</b>	
<b>Chronic toxicity - aquatic invertebrates</b>	, 21 days: 0.28 mg/l, Daphnia magna

### WHITE MINERAL OIL (PETROLEUM)

<b>Acute aquatic toxicity</b>	
<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: > 400,000 mg/l, Oncorhynchus mykiss (Rainbow trout)
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 96 hours: > 500,000 mg/l, Marinewater invertebrates EC <sub>50</sub> , 48 hours: 500000 ppm mg/l, Daphnia magna

#### 12.2. Persistence and degradability

**Persistence and degradability** The product is expected to be biodegradable.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** The product does not contain any substances expected to be bioaccumulating.

#### 12.4. Mobility in soil

**Mobility** The product has poor water-solubility.

#### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

#### 12.6. Other adverse effects

**Other adverse effects** Not determined.

### **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

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

### **SECTION 14: Transport information**

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

#### **Special Provisions note**

##### 14.1. UN number

Not applicable.

##### 14.2. UN proper shipping name

Not applicable.

##### 14.3. Transport hazard class(es)



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No transport warning sign required.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

#### **Environmentally hazardous substance/marine pollutant**

No.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78  
and the IBC Code

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

<b>UFI</b>	UFI: 5RC3-C0S3-D000-EPUV
<b>National regulations</b>	The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).
<b>EU legislation</b>	Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Commission Regulation (EU) No 2015/830 of 28 May 2015.
<b>Guidance</b>	Workplace Exposure Limits EH40.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

<b>Abbreviations and acronyms used in the safety data sheet</b>	ATE: Acute Toxicity Estimate. ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. CAS: Chemical Abstracts Service. EC <sub>50</sub> : 50% of maximal Effective Concentration. IATA: International Air Transport Association. IMDG: International Maritime Dangerous Goods. LC <sub>50</sub> : Lethal Concentration to 50 % of a test population. LD <sub>50</sub> : Lethal Dose to 50% of a test population (Median Lethal Dose). PBT: Persistent, Bioaccumulative and Toxic substance. REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006. UN: United Nations. vPvB: Very Persistent and Very Bioaccumulative.
<b>Classification abbreviations and acronyms</b>	Aquatic Chronic = Hazardous to the aquatic environment (chronic) Asp. Tox. = Aspiration hazard STOT RE = Specific target organ toxicity-repeated exposure

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<b>Revision comments</b>	NOTE: Lines within the margin indicate significant changes from the previous revision.
<b>Revision date</b>	29/05/2019
<b>Revision</b>	2.0
<b>Supersedes date</b>	20/10/2014
<b>SDS number</b>	24358
<b>Hazard statements in full</b>	H304 May be fatal if swallowed and enters airways. H372 Causes damage to organs (Central nervous system) through prolonged or repeated exposure. H412 Harmful to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.