

# Shell Gadus S5 V42P 2.5

## Safety Data Sheet

According to SS 586 Part 3 (2022)  
Issue date: 08.07.2025

Revision date: 08.07.2025

Supersedes:

Version: 1.0

### SECTION 1: Identification

#### 1.1. Product identifier

Product name Shell Gadus S5 V42P 2.5  
Product code BU ET&A  
Product form Mixture

#### 1.2. Other means of identification

No additional information available

#### 1.3. Recommended use of the chemical and restrictions on use

Recommended use Lubricant  
Restrictions on use For professional use only

#### 1.4. Supplier's details

##### Supplier

Maagtechnic AG  
Sonnentalstrasse 8 Dübendorf 1 Switzerland CH-8600  
T +41 44 824 91 91  
[lubeinfo@maagtechnic.com](mailto:lubeinfo@maagtechnic.com)

##### Department issuing data specification sheet

Hilti AG  
Feldkircherstraße 100 Schaan Liechtenstein 9494  
T +423 234 2111  
[product.compliance-power.tools@hilti.com](mailto:product.compliance-power.tools@hilti.com)

#### 1.5. Emergency phone number

Emergency number GBK GmbH Global Regulatory Compliance  
+49 (0)6132-84463

### SECTION 2: Hazard identification

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

Not classified as hazardous according to GHS

#### 2.2. GHS label elements, including precautionary statements

No labelling applicable

#### 2.3. Other hazards which do not result in classification

No additional information available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

| Name   | Synonyms | Concentration (%) | Formula  | Product identifier                        | GHS SG classification  |
|--|----------|-------------------|--|---|--|
| Distillates (Fischer-Tropsch), heavy, C18-50-branched, cyclic and linear | -        | 60 – 80           | -  | CAS-No.: 848301-69-9<br>EC-No.: 482-220-0 | Flam. Liq. Not classified<br>Acute Tox. Not classified (Oral)<br>Asp. Tox. 1, H304 |
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene    | -        | 0.1 – <1          | C <sub>12</sub> H <sub>11</sub> N · C <sub>8</sub> H <sub>16</sub> | CAS-No.: 68411-46-1                       | Repr. 2, H361<br>Aquatic Acute Not classified<br>Aquatic Chronic Not classified    |

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### SECTION 4: First-aid measures

#### 4.1. Description of necessary first aid measures

|                            |  |
|----------------------------|--|
| First-aid measures general | Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).  |
| Inhalation                 | Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest. If experiencing respiratory symptoms: Call a poison center or a doctor. |
| Skin contact               | Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash contaminated clothing before reuse.   |
| Eye contact                | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.                   |
| Ingestion                  | Rinse mouth. Do NOT induce vomiting. Get medical advice/attention.   |

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

|                                     |  |
|-------------------------------------|--|
| Symptoms/effects after skin contact | Prolonged or repeated skin contact without proper cleaning can clog the pores of the skin resulting in disorders such as oil acne/folliculitis. Necrosis. High pressure injection of product under the skin can have very serious consequences even without apparent symptoms or injuries. |
| Symptoms/effects after ingestion    | Ingestion may cause nausea, vomiting and diarrhea.   |
| Chronic symptoms                    | Symptoms may be delayed.   |

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

No additional information available

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable extinguishing media

|                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | Foam. Water spray. Dry powder. Carbon dioxide. Sand. |
| Unsuitable extinguishing media | Do not use a heavy water stream.                     |

#### 5.2. Specific hazards arising from the chemical

|  |   |
|--|---|
| Fire hazard                                      | No fire hazard.   |
| Explosion hazard                                 | No direct explosion hazard.                                   |
| Reactivity in case of fire                       | Hazardous decomposition products in case of fire.             |
| Hazardous decomposition products in case of fire | Carbon dioxide. Carbon monoxide. Toxic fumes may be released. |

#### 5.3. Special protective actions for fire fighters

|                                |  |
|--------------------------------|--|
| Precautionary measures fire    | Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Do not allow run-off from fire-fighting to enter drains or water courses.                             |
| Firefighting instructions      | Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. Do not enter fire area without proper protective equipment, including respiratory protection. |
| Protection during firefighting | Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.   |

### SECTION 6: Accidental release measures

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

|   |  |
|---|--|
| General measures                          | Spilled material may present a slipping hazard.          |
| <b>6.1.1. For non-emergency personnel</b> |  |
| Protective equipment                      | Wear recommended personal protective equipment.          |
| Emergency procedures                      | Evacuate unnecessary personnel. Ventilate spillage area. |

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### 6.1.2. For emergency responders

|                      |  |
|----------------------|--|
| Protective equipment | Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection". |
| Emergency procedures | Evacuate unnecessary personnel. Ventilate area. Stop leak if safe to do so.  |

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

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

|                         |  |
|-------------------------|--|
| For containment         | Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Collect all waste in suitable and labelled containers and dispose according to local legislation. |
| Methods for cleaning up | Shovel into suitable and closed container for disposal.  |
| Other information       | Dispose of materials or solid residues at an authorized site.  |

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

|                               |   |
|-------------------------------|---|
| Precautions for safe handling | Ensure good ventilation of the work station. Wear personal protective equipment. Do not get in eyes, on skin, or on clothing. Do not breathe vapours, spray. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. |
| Hygiene measures              | Do not eat, drink or smoke when using this product. Always wash hands after handling the product.   |

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

|                           |   |
|---------------------------|---|
| Technical measures        | Keep in a cool, well-ventilated place away from heat.   |
| Storage conditions        | Keep cool. Protect from sunlight. Keep container closed when not in use. Keep only in original container. |
| Incompatible materials    | PVC.  |
| Heat and ignition sources | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.            |

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters/Occupational exposure limits

No additional information available

### 8.2. Appropriate engineering control measures

|                                  |  |
|----------------------------------|--|
| Appropriate engineering controls | Ensure good ventilation of the work station. |
|----------------------------------|--|

### 8.3. Individual protection measures, such as personal protective equipment (PPE)

#### Personal protective equipment:

Avoid all unnecessary exposure.

|                          |  |
|--------------------------|--|
| Hand protection          | Protective gloves  |
| Eye protection           | Wear security glasses which protect from splashes                        |
| Skin and body protection | Wear suitable protective clothing  |
| Respiratory protection   | In case of insufficient ventilation, wear suitable respiratory equipment |

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### Personal protective equipment symbol(s)



Environmental exposure controls

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

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

|   |   |
|---|---|
| Physical state                                  | Liquid                                  |
| Appearance                                      | Pasty.                                  |
| Colour  | light brown                             |
| Odour   | characteristic                          |
| Odour threshold                                 | No data available                       |
| pH  | Not applicable                          |
| Melting point                                   | Not applicable                          |
| Freezing point                                  | Not available                           |
| Initial boiling point and boiling range         | Not available                           |
| Flash point                                     | Not available                           |
| Evaporation rate                                | Not available                           |
| Flammability                                    | Not available                           |
| Explosive limits                                | Not available                           |
| Vapour pressure                                 | < 0.5 Pa (estimated value)              |
| Relative vapour density at 20°C                 | Not available                           |
| Density   | 900 kg/m <sup>3</sup> (15 °C)           |
| Relative density                                | 0.9 (15 °C)                             |
| Solubility                                      | Water: Negligible                       |
| Partition coefficient n-octanol/water (Log Kow) | Not available                           |
| Partition coefficient n-octanol/water (Log Pow) | > 6 Data from similar product           |
| Auto-ignition temperature                       | > 320 °C                                |
| Decomposition temperature                       | Not available                           |
| Viscosity, kinematic                            | 42 mm <sup>2</sup> /s (40 °C) ASTM D445 |
| Particle size                                   | Not available                           |
| Particle size distribution                      | Not available                           |
| Particle shape                                  | Not available                           |
| Particle aspect ratio                           | Not available                           |
| Particle specific surface area                  | Not available                           |

### 9.2. Other information

|             |     |
|-------------|-----|
| VOC content | 0 % |
|-------------|-----|

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

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### 10.5. Incompatible materials

Strong oxidizing agents.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Acute toxicity

|                             |                |
|-----------------------------|----------------|
| Acute toxicity (oral)       | Not classified |
| Acute toxicity (dermal)     | Not classified |
| Acute toxicity (inhalation) | Not classified |

| Distillates (Fischer-Tropsch), heavy, C18-50-branched, cyclic and linear (848301-69-9) |   |
|--|---|
| LD50 oral rat  | > 5000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method), Guideline: EU Method B.1 bis (Acute Oral Toxicity - Fixed Dose Procedure) |

|                                   |                                      |
|-----------------------------------|--------------------------------------|
| Skin corrosion or irritation      | Not classified<br>pH: Not applicable |
| Serious eye damage or irritation  | Not classified                       |
| Respiratory or skin sensitisation | Not classified                       |
| Germ cell mutagenicity            | Not classified                       |
| Carcinogenicity                   | Not classified                       |
| Reproductive toxicity             | Not classified                       |
| STOT-single exposure              | Not classified                       |
| STOT-repeated exposure            | Not classified                       |
| Aspiration hazard                 | Not classified                       |

| Shell Gadus S5 V42P 2.5 |   |
|-------------------------|---|
| Viscosity, kinematic    | 42 mm <sup>2</sup> /s (40 °C) ASTM D445 |
| Density                 | 900 kg/m <sup>3</sup> (15 °C)           |

Potential adverse human health effects and symptoms      Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

### 12.1. Toxicity

|   |  |
|---|--|
| Ecology - general   | Harmful to aquatic life with long lasting effects. |
| Hazardous to the aquatic environment, short-term (acute)  | Not classified                                     |
| Hazardous to the aquatic environment, long-term (chronic) | Not classified                                     |
| Other information   | Avoid release to the environment.                  |

| Distillates (Fischer-Tropsch), heavy, C18-50-branched, cyclic and linear (848301-69-9) |  |
|--|--|
|  |  |

| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1) |            |
|--|------------|
| LC50 - Fish [1]  | > 100 mg/l |
| LC50 - Other aquatic organisms [1]   | > 100 mg/l |
|  |            |
| Bioconcentration factor (BCF REACH)  | 411        |

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### 12.2. Persistence and degradability

| Shell Gadus S5 V42P 2.5       |                                      |
|-------------------------------|--------------------------------------|
| Persistence and degradability | No additional information available. |

### 12.3. Bioaccumulative potential

| Shell Gadus S5 V42P 2.5  |                               |
|--|-------------------------------|
| Partition coefficient n-octanol/water (Log Pow)                                    | > 6 Data from similar product |
| Bioaccumulative potential  | Not established.              |
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1) |                               |
| Bioconcentration factor (BCF REACH)  | 411                           |

### 12.4. Mobility in soil

| Shell Gadus S5 V42P 2.5                         |                                     |
|---|-------------------------------------|
| Mobility in soil                                | No additional information available |
| Partition coefficient n-octanol/water (Log Pow) | > 6 Data from similar product       |

### 12.5. Other adverse effects

|                       |                                     |
|-----------------------|-------------------------------------|
| Ozone                 | Not classified                      |
| Other adverse effects | No additional information available |

## SECTION 13: Disposal considerations

|  |   |
|--|---|
| Waste treatment methods                    | Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Sewage disposal recommendations            | Disposal must be done according to official regulations.                                    |
| Product/Packaging disposal recommendations | Dispose in a safe manner in accordance with local/national regulations.                     |
| Additional information                     | Do not re-use empty containers.   |

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID /

| ADR                                    | IMDG          | IATA          | RID           |
|--|---------------|---------------|---------------|
| 14.1. UN number or ID number           |               |               |               |
| Not regulated                          | Not regulated | Not regulated | Not regulated |
| 14.2. UN proper shipping name          |               |               |               |
| Not regulated                          | Not regulated | Not regulated | Not regulated |
| 14.3. Transport hazard class(es)       |               |               |               |
| Not regulated                          | Not regulated | Not regulated | Not regulated |
| 14.4. Packing group                    |               |               |               |
| Not regulated                          | Not regulated | Not regulated | Not regulated |
| 14.5. Environmental hazards            |               |               |               |
| Not regulated                          | Not regulated | Not regulated | Not regulated |
| No supplementary information available |               |               |               |

### 14.6. Special precautions for user

#### Overland transport

Not regulated

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### Transport by sea

Not regulated

### Air transport

Not regulated

### Rail transport

Not regulated

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations specific for the product in question

| Regulation   |                | Component / Mixture   |
|--|----------------|---|
| Workplace Safety and Health Act & Workplace Safety and Health (General Provisions) Regulations | Applicable     | Distillates (Fischer-Tropsch), heavy, C18-50-branched, cyclic and linear; Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene |
| Arms and Explosives Act  | Not applicable |   |
| Chemical Weapons Prohibition Act   |                |   |
| Environmental Protection and Management (Air Impurities) Regulations                           |                |   |
| Environmental Protection and Management Act (Hazardous Substances)                             |                |   |
| Environmental Public Health (Quality of Piped Drinking Water) Regulations                      |                |   |
| Fire Safety Act/Fire Safety (Petroleum and Flammable Materials) Regulations                    |                |   |
| Maritime and Port Authority of Singapore (Dangerous, Petroleum and Explosives) Regulations     |                |   |
| Misuse of Drugs Act  |                |   |
| Poisons Act  |                |   |
| Poisons Rules  |                |   |
| Hazardous waste (Control of export, import and transit) Act                                    |                |   |
| Strategic goods (Control) Act  |                |   |

### 15.2. International regulations

No additional information available

## SECTION 16: Other information

|                            |   |
|----------------------------|---|
| Issue date                 | 08/07/2025  |
| Revision date              | 08/07/2025  |
| Abbreviations and acronyms | ACGIH - American Conference of Government Industrial Hygienists |

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ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road  
ATE - Acute Toxicity Estimate  
BCF - Bioconcentration factor  
BLV - Biological limit value  
BOD - Biochemical oxygen demand (BOD)  
CAS-No. - Chemical Abstract Service number  
CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008  
COD - Chemical oxygen demand (COD)  
CSA - Chemical safety assessment  
DMEL - Derived Minimal Effect level  
DNEL - Derived-No Effect Level  
EC-No. - European Community number  
EC50 - Median effective concentration  
ED - Endocrine disruptor  
EN - European Standard  
EWC - European waste catalogue  
IARC - International Agency for Research on Cancer  
IATA - International Air Transport Association  
IMDG - International Maritime Dangerous Goods  
LC50 - Median lethal concentration  
LD50 - Median lethal dose  
LOAEL - Lowest Observed Adverse Effect Level  
Log Kow - Partition coefficient n-octanol/water (Log Kow)  
Log Pow - Partition coefficient n-octanol/water (Log Pow)  
MAK - maximum workplace concentration  
NOAEC - No-Observed Adverse Effect Concentration  
NOAEL - No-Observed Adverse Effect Level  
NOEC - No-Observed Effect Concentration  
N.O.S. - Not Otherwise Specified  
OECD - Organisation for Economic Co-operation and Development  
OEL - Occupational Exposure Limit  
OSHA - Occupational Safety Health Administration  
PBT - Persistent Bioaccumulative Toxic  
PNEC - Predicted No-Effect Concentration  
PPE - Personal protection equipment  
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail  
SDS - Safety Data Sheet  
STP - Sewage treatment plant  
TF - Technical function  
ThOD - Theoretical oxygen demand (ThOD)  
TLM - Median Tolerance Limit  
TWA - Time Weighted Average  
VOC - Volatile Organic Compounds  
vPvB - Very Persistent and Very Bioaccumulative  
UFI - Unique Formula Identifier  
None.

### Other information

SDS\_SG\_Hilti

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.