



Shell Gadus S5 V42P 2.5

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

Issue date: 08/07/2025

Revision date: 08/07/2025

:

Version: 1.0

SECTION 1: Identification

1.1. GHS Product identifier

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

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

| | |
|------------------------------|---------------------------|
| Use of the substance/mixture | Lubricant |
| Restrictions on use | For professional use only |

1.4. Supplier's details

Supplier

Maagtechnic AG
Sonnentalstrasse 8
CH-8600 Dübendorf 1
Switzerland
T +41 44 824 91 91
lubeinfo@maagtechnic.com

Department issuing data specification sheet

Hilti AG
Feldkircherstraße 100
FL 9494 Schaan
Liechtenstein
T +423 234 2111
product.compliance-power.tools@hilti.com

1.5. Emergency phone number

| | |
|------------------|---|
| Emergency number | Emergency CONTACT (24-Hour-Number): GBK GmbH Global Regulatory Compliance +49 (0)6132-84463 |
|------------------|---|

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification according to the United Nations GHS

| | | |
|---|--|--------------------|
| Hazardous to the aquatic environment – Acute Hazard, Category 3 | H402 | Calculation method |
| Hazardous to the aquatic environment – Chronic Hazard, Category 3 | H412 | Calculation method |
| Full text of H-statements: see section 16 | | |
| Adverse physicochemical, human health and environmental effects | Harmful to aquatic life with long lasting effects. | |

2.2. GHS Label elements, including precautionary statements

Labelling according to the United Nations GHS

| | |
|-----------------------------------|---|
| Signal word (GHS UN) | - |
| Hazard statements (GHS UN) | H412 - Harmful to aquatic life with long lasting effects |
| Precautionary statements (GHS UN) | P273 - Avoid release to the environment. P501 - Dispose of contents and container to an approved waste disposal plant. |

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

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3.2. Mixtures

| Name | Product identifier | % | Classification according to the United Nations GHS |
|--|----------------------|----------|--|
| Distillates (Fischer-Tropsch), heavy, C18-50-branched, cyclic and linear | CAS-No.: 848301-69-9 | 60 – 80 | Flammable liquids Not classified Acute toxicity (oral) Not classified Aspiration hazard, Category 1, H304 |
| zinc naphthenate | CAS-No.: 84418-50-8 | 0.1 – <1 | Flammable liquids Not classified Serious eye damage/eye irritation, Category 2, H319 Skin sensitisation, category 1B, H317 Hazardous to the aquatic environment – Acute Hazard, Category 2, H401 Hazardous to the aquatic environment – Chronic Hazard, Category 2, H411 |
| zinc oxide | CAS-No.: 1314-13-2 | 0.1 – <1 | Acute toxicity (inhalation:dust,mist) Not classified Hazardous to the aquatic environment – Acute Hazard, Category 1, H400 Hazardous to the aquatic environment – Chronic Hazard, Category 1, H410 |
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene | CAS-No.: 68411-46-1 | 0.1 – <1 | Reproductive toxicity, Category 2, H361 Hazardous to the aquatic environment – Acute Hazard Not classified Hazardous to the aquatic environment – Chronic Hazard, Category 3, H412 |

Full text of H-statements: see section 16

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). |
| First-aid measures after 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. |
| First-aid measures after 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. |
| First-aid measures after 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. |
| First-aid measures after ingestion | Rinse mouth. Do NOT induce vomiting. Get medical advice/attention. |

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

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. |
| Prevention Measures for Secondary Accidents | No additional information available. |

6.1.1. For non-emergency personnel

| | |
|----------------------|--|
| Protective equipment | Wear recommended personal protective equipment. |
| Emergency procedures | Evacuate unnecessary personnel. Ventilate spillage area. |

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 materials 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. |
|-----------------|--|

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Methods for cleaning up
Other information

Shovel into suitable and closed container for disposal.
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

Monitoring methods

Monitoring methods

A specific exposure sampling method is not available.

8.2. Appropriate engineering controls

Appropriate engineering controls

Ensure good ventilation of the work station.

Environmental exposure controls

Avoid release to the environment.

Other information

Do not eat, drink or smoke during use.

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

Personal protective equipment symbol(s)



8.4. Exposure limit values for the other components

No additional information available

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SECTION 9: Physical and chemical properties

9.1. Basic physical and chemical properties

| | |
|---|---|
| Physical state | Liquid |
| Appearance | Pasty |
| Colour | light brown. |
| Odour | characteristic. |
| Odour threshold | Not available |
| Melting point | Not applicable |
| Freezing point | Not available |
| Boiling point | Not available |
| Flammability | Not available |
| Lower explosion limit | 1 vol % (typical) |
| Upper explosion limit | 10 vol % (typical) |
| Flash point | Not available |
| Auto-ignition temperature | > 320 °C |
| Decomposition temperature | Not available |
| pH | Not applicable |
| pH solution | Not available |
| Viscosity, kinematic (calculated value) (40 °C) | 42 mm ² /s (40 °C) ASTM D445 |
| Partition coefficient n-octanol/water (Log Pow) | > 6 Data from similar product |
| Partition coefficient n-octanol/water (Log Kow) | Not available |
| Vapour pressure | < 0.5 Pa (estimated value) |
| Vapour pressure at 50°C | Not available |
| Density | 900 kg/m ³ (15 °C) |
| Relative density | 0.9 (15 °C) |
| Relative vapour density at 20°C | Not available |
| Solubility | Water: Negligible |
| Particle size | Not applicable |

9.2. Data relevant with regard to physical hazard classes (supplemental)

| | |
|-------------|-----|
| 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.

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. Information on toxicological effects

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

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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) |

| zinc naphthenate (84418-50-8) | |
|-------------------------------|---|
| LD50 oral rat | > 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method) |
| LD50 dermal rabbit | > 2000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |
| LC50 Inhalation - Rat | > 0.42 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity) |

| zinc oxide (1314-13-2) | |
|------------------------|---|
| LD50 oral rat | > 2000 mg/kg OECD guideline No 401/423 micro- and nanomaterial zinc oxide |
| LD50 dermal rat | > 2000 mg/kg OECD guideline No 402 - nano zinc oxide |
| LC50 Inhalation - Rat | > 5.7 mg/l/4h OECD guideline No 403 - micro zinc oxide |

Skin corrosion/irritation Not classified
pH: Not applicable
Serious eye damage/irritation Not classified
pH: Not applicable
Respiratory or skin sensitization 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 ² /s (40 °C) ASTM D445 |

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) Harmful to aquatic life.
Classification procedure (Hazardous to the aquatic environment, short-term (acute)) Calculation method
Hazardous to the aquatic environment, long-term (chronic) Harmful to aquatic life with long lasting effects.
Classification procedure (Hazardous to the aquatic environment, long-term (chronic)) Calculation method

| zinc naphthenate (84418-50-8) | |
|--|---|
| LC50 - Fish [1] | ≈ 5.62 mg/l Test organisms (species): Pimephales promelas |
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1) | |
| LC50 - Fish [1] | > 100 mg/l |

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

12.2. Persistence and degradability

| Shell Gadus S5 V42P 2.5 | |
|--|--------------------------------------|
| Persistence and degradability | No additional information available. |
| Distillates (Fischer-Tropsch), heavy, C18-50-branched, cyclic and linear (848301-69-9) | |
| Persistence and degradability | Rapidly degradable |
| zinc naphthenate (84418-50-8) | |
| Persistence and degradability | Rapidly degradable |
| zinc oxide (1314-13-2) | |
| Persistence and degradability | Rapidly degradable |
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1) | |
| Persistence and degradability | Not rapidly degradable |

12.3. Bioaccumulative potential

| Shell Gadus S5 V42P 2.5 | |
|--|-------------------------------|
| Partition coefficient n-octanol/water (Log Kow) | > 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 |

12.5. Other adverse effects

| | |
|-----------------------|-------------------------------------|
| Ozone | Not classified |
| Other adverse effects | No additional information available |
| Other information | Avoid release to the environment. |

SECTION 13: Disposal considerations

13.1. Disposal methods

| | |
|--|---|
| Regional waste regulation | Disposal must be done according to official regulations. |
| 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. |
| Ecological waste information | Avoid release to the environment. |
| Additional information | Do not re-use empty containers. |

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID /



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| 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

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

No additional information available

SECTION 16: Other information

Issue date

7/8/2025

Revision date

7/8/2025

Abbreviations and acronyms

ACGIH - American Conference of Government Industrial Hygienists
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

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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

Other information

None.

| Full text of H-statements: | |
|--|--|
| Acute Tox. Not classified (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Not classified |
| Acute Tox. Not classified (Oral) | Acute toxicity (oral) Not classified |
| Aquatic Acute 1 | Hazardous to the aquatic environment – Acute Hazard, Category 1 |
| Aquatic Acute 2 | Hazardous to the aquatic environment – Acute Hazard, Category 2 |
| Aquatic Acute 3 | Hazardous to the aquatic environment – Acute Hazard, Category 3 |
| Aquatic Acute Not classified | Hazardous to the aquatic environment – Acute Hazard Not classified |
| Aquatic Chronic 1 | Hazardous to the aquatic environment – Chronic Hazard, Category 1 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment – Chronic Hazard, Category 2 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment – Chronic Hazard, Category 3 |



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| Full text of H-statements: | |
|----------------------------|--|
| Asp. Tox. 1 | Aspiration hazard, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Liq. Not classified | Flammable liquids Not classified |
| Repr. 2 | Reproductive toxicity, Category 2 |
| Skin Sens. 1B | Skin sensitisation, category 1B |
| H304 | May be fatal if swallowed and enters airways |
| H317 | May cause an allergic skin reaction |
| H319 | Causes serious eye irritation |
| H361 | Suspected of damaging fertility or the unborn child |
| H400 | Very toxic to aquatic life |
| H401 | Toxic to aquatic life |
| H402 | Harmful to aquatic life |
| H410 | Very toxic to aquatic life with long lasting effects |
| H411 | Toxic to aquatic life with long lasting effects |
| H412 | Harmful to aquatic life with long lasting effects |

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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.