

Shell Gadus S5 V42P 2.5

Safety Data Sheet

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

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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

Department issuing data specification sheet
Hilti AG
Feldkircherstraße 100 Schaan Liechtenstein 9494
T +423 234 2111
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 EC-No.: 482-220-0	Flam. Liq. Not classified Acute Tox. Not classified (Oral) Asp. Tox. 1, H304
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	-	0.1 – <1	C12H11N · C8H16	CAS-No.: 68411-46-1	Repr. 2, H361 Aquatic Acute Not classified 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.
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6.1.1. For non-emergency personnel

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.
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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 ³ (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 ² /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 %
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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 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

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Viscosity, kinematic	42 mm²/s (40 °C) ASTM D445
Density	900 kg/m³ (15 °C)

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

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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

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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.