

Shell Gadus S5 V42P 2.5

according to MoL regulation (10702052242)

Issue date: 2025/07/08

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Supersedes:

Version: 1.0

1. Identification of the chemical and of the business entity

Chemical name	Shell Gadus S5 V42P 2.5
Product code	BU ET&A
Other Names	-
Recommended use	Lubricant
Restrictions on use	For professional use only

Names, addresses, and phone numbers of manufacturer, importer or supplier

Supplier

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

Department issuing data specification sheet

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

Emergency number

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

2. Hazard(s) identification

GHS classification (Taiwan)

Environmental hazards	Hazardous to the aquatic environment - Acute Hazard, Category 3 Hazardous to the aquatic environment - Chronic Hazard, Category 3
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Label content

Hazard pictograms (GHS TW)	-
Signal word (GHS TW)	-
Hazard statements (GHS TW)	(H412) Harmful to aquatic life with long lasting effects
Precautionary statements	-
Prevention precautionary statements	(P273) Avoid release to the environment.
Response Precautionary Statements	-
Storage precautionary statements	-
Disposal precautionary statements	(P501) Dispose of contents/container to an approved waste disposal plant.
Other hazards which do not result in classification	-

3. Composition/information on ingredients

Substance:

Not applicable

Mixture:

Chemical properties Refer to Section 9

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Name	CAS-No.	Concentration	Classification according to the United Nations GHS
Distillates (Fischer-Tropsch), heavy, C18-50-branched, cyclic and linear	848301-69-9	60 - 80	Aspiration hazard, Category 1, H304
zinc naphthenate (環烷酸鋅)	84418-50-8	0.1 - <1	Serious eye damage/eye irritation, Category 2A, H319 Skin sensitization, 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	1314-13-2	0.1 - <1	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	68411-46-1	0.1 - <1	Toxic to reproduction, Category 2, H361 Hazardous to the aquatic environment - Chronic Hazard, Category 3, H412

4. First-aid measures

First aid measures for different exposure routes

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.

Most Important Symptoms/Effects

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

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Protection for the first aid staff

Personal Protection in First Aid and Measures

Not applicable

Notes to physician

No additional information available

5. Firefighting measures

Extinguishing media

Suitable extinguishing media

Foam
Water spray
Dry powder
Carbon dioxide
Sand

Unsuitable extinguishing media

Do not use a heavy water stream

Specific hazards arising from firefighting measures

Fire hazard

No fire hazard

Explosion hazard

No direct explosion hazard

General measures

Spilled material may present a slipping 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.

Specific firefighting methods

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

Special protective equipment and precautions for fire-fighters

Protection during firefighting

Do not attempt to take action without suitable protective equipment - Self-contained breathing apparatus - Complete protective clothing

Personal protection (Emergency response)

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6. Accidental release measures

Personal precautions

General measures

Spilled material may present a slipping hazard

For non-emergency personnel

Protective equipment

Wear recommended personal protective equipment

Emergency procedures

Evacuate unnecessary personnel

Ventilate spillage area

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"

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Emergency procedures	Evacuate unnecessary personnel Ventilate area Stop leak if safe to do so.
Environmental precautions	
Environmental precautions	Prevent entry to sewers and public waters Notify authorities if liquid enters sewers or public waters Avoid release to the environment
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

7. Handling and storage

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
Storage	
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.

8. Exposure controls/personal protection

Appropriate engineering controls	Ensure good ventilation of the work station
Control parameters	
zinc oxide (1314-13-2)	
Taiwan - Occupational Exposure Limits	
Local name	氧化鋅 # Zinc oxide
OEL TWA	5 mg/m ³ (燻煙) # (fume)

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Personal protective equipment	
General:	
Personal protective equipment:	
Avoid all unnecessary exposure.	
Respiratory protection:	
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment
Hand protection:	
Hand protection	Protective gloves
Eye protection:	
Eye protection	Wear security glasses which protect from splashes
Skin and body protection:	
Skin and body protection	Wear suitable protective clothing

Do not eat, drink or smoke when using this product.
Always wash hands after handling the product

Appearance	Pasty
Physical state	Liquid
Colour	light brown
Odour	characteristic
Odour threshold [ppm]	No data available
pH	Not applicable
Evaporation rate	No data available
VOC content	0 %
Melting point	Not applicable
Boiling point	No data available
Flash point	No data available
Auto-ignition temperature	> 320 ° C
Decomposition temperature	No data available
Flammability (solid, gas)	No data available
Vapour pressure	< 0.5 Pa (estimated value)
Relative vapour density at 20° C	No data available
Density	900 kg/m³ (15 ° C)
Relative density	0.9 (15 ° C)
Solubility	Water: Negligible
Partition coefficient n-octanol/water (Log Pow)	> 6 Data from similar product

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Partition coefficient n-octanol/water (Log Kow)	No data available
Viscosity, kinematic	42 mm ² /s (40 ° C) ASTM D445
Viscosity, kinematic (calculated value) (40 ° C)	42 mm ² /s (40 ° C) ASTM D445
Explosive limits (vol %)	No data available
Lower explosion limit	1 vol % (typical)
Upper explosion limit	10 vol % (typical)

10. Stability and reactivity

Reactivity	The product is non-reactive under normal conditions of use, storage and transport
Chemical stability	Stable under normal conditions
Possibility of hazardous reactions	No dangerous reactions known under normal conditions of use
Conditions to avoid	Direct sunlight. Extremely high or low temperatures
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced

11. Toxicological information

Routes of exposure

No additional information available

Symptoms

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

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)
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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

Skin corrosion/irritation	Not classified pH: Not applicable
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Serious eye damage/irritation	
Serious eye damage/irritation	Not classified
Respiratory or skin sensitisation	
Respiratory or skin sensitisation	Not classified
Chronic toxicity or long-term toxicity	
Germ cell mutagenicity	
Germ cell mutagenicity	Not classified
Carcinogenicity	
Carcinogenicity	Not classified
Reproductive toxicity	
Reproductive toxicity	Not classified
STOT-single exposure	
STOT-single exposure	Not classified
STOT-repeated exposure	
STOT-repeated exposure	Not classified
Aspiration hazard	
Aspiration hazard	Not classified
Viscosity, kinematic	42 mm ² /s (40 ° C) ASTM D445

12. Ecological information

Ecotoxicity	
Ecology - general	Harmful to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	
Hazardous to the aquatic environment, short-term (acute)	Harmful to aquatic life.
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
LC50 - Other aquatic organisms [1]	> 100 mg/l
Hazardous to the aquatic environment, long-term (chronic)	
Hazardous to the aquatic environment, long-term (chronic)	Harmful to aquatic life with long lasting effects.
Additional ecotoxicological information	
No additional information available	

Persistence and degradability	
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Persistence and degradability	No additional information available

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Bioaccumulative potential	
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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
Mobility in soil	
Shell Gadus S5 V42P 2.5	
Partition coefficient n-octanol/water (Log Pow)	> 6 Data from similar product
Other adverse effects	
Ozone	Not classified
Other information	Avoid release to the environment.

13. Disposal considerations

Waste treatment methods	Dispose of contents/container in accordance with licensed collector' s sorting instructions
Ecological waste information	Avoid release to the environment.
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

15. Regulatory information

- Applicable regulations**
- 1. Occupational Safety and Health Act
 - 2. Methods and Facilities Standards for the Storage, Clearance and Disposal of Industrial Waste
 - 3. Traffic Safety Rule

16. Other information

Literature references	–
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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, 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

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.