



Previous Name: Shell Malleus Grease STC 1

# Shell Gadus S2 Thread Compound 1

- Corrosion and Water Resistant
- Casing & Tubing Connectors
- Calcium

## High Performance Storage & Thread Compound

Shell Gadus S2 Thread Compounds are storage and thread compounds, meeting the requirements of the DEA 47(E) Committee for use as 'green' dopes. These greases are based on highly refined mineral oils with a calcium soap thickener and suitable additives to provide excellent corrosion protection, prevent galling of threads and ensure consistent make/break torques.

### DESIGNED TO MEET CHALLENGES

#### Performance, Features & Benefits

- Environmentally friendly products. Contain no metals (Pb, Zn, Cu) in metallic form or other components identified by the Paris Commission (PARCOM), e.g. PTFE, nylon or other polymers.
- Proven performance in field tests. Successfully applied in suitable applications.
- Excellent anti-corrosion performance also provided. Can be used as an effective corrosion preventive, allowing mills to only use one product and simplifying operations for production and drilling companies who do NOT have to remove protectives before applying a thread compound.
- Excellent brushability. Can be applied even at low temperatures.
- Excellent anti-galling performance. For carbon steels and up to 13% chromium steels.

- Excellent water wash-out resistance. Maintains protection and prevents corrosion.
- Safe handling. Products do not require special labelling.

#### Main Applications



- Thread compound for use with Premium connectors.

#### Specifications, Approvals & Recommendations

- DEA 47 (E) Committee Offers (meets the requirements of)
- For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk.

#### Typical Physical Characteristics

Properties			Method	Shell Gadus S2 Thread Compound 1
NLGI Consistency				1
Colour				Black
Soap Type				Calcium
Base Oil (Type)				Mineral
Kinematic Viscosity	@40°C	mm <sup>2</sup> /s	IP 71 / ASTM D445	120
Kinematic Viscosity	@100°C	mm <sup>2</sup> /s	IP 71 / ASTM D445	12
Cone Penetration, Worked	@25°C	0.1mm	IP 50 / ASTM D217	310-340
Dropping Point		°C	IP 396	140
Applicability at Low Temperatures				Excellent

These characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.

## Health, Safety & Environment

- **Health and Safety**

Shell Gadus S2 Thread Compound is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Guidance on Health and Safety is available on the appropriate Material Safety Data Sheet, which can be obtained from <http://www.epc.shell.com/>

- **Protect the Environment**

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

## Additional Information

- **Operating Temperature Range**

-20°C to +60°C

- **Advice**

Advice on applications not covered here may be obtained from your Shell representative.