



# Shell EcoSafe Nuclear 46

- Readily Biodegradable

## Fire Resistant and Readily Biodegradable Hydraulic Fluid

Shell EcoSafe Nuclear 46 is a full-synthetic, non-aqueous fire resistant hydraulic fluid. It has been specifically formulated to counteract the oxidative and hydrolytic byproducts formed during long-term rigorous use.

Shell EcoSafe Nuclear 46 is ideally suited for applications within the Nuclear Industry based on the stability of our lubricant basestock and its ability to provide extended-drain life without the formation of sludge or varnish.

## DESIGNED TO MEET CHALLENGES

### Typical Physical Characteristics

Properties			Method	Shell EcoSafe Nuclear 46
ISO Viscosity Grade				46
Kinematic Viscosity	@40°C	mm <sup>2</sup> /s	ASTM D445	50.0
Kinematic Viscosity	@100°C	mm <sup>2</sup> /s	ASTM D445	9.4
Viscosity Index			ISO 2909	176
Density	@15°C	g/cm <sup>3</sup>	ASTM D4052	0.990
Flash Point		°C	ASTM D92	274
Fire Point (COC)		°C	ASTM D92	315
Pour Point		°C	ASTM D97	-42
FZG (A/8,3/90)		Fail Stage	ISO 14635-1	12

These characteristics are typical of current production, variations in these characteristics in future production may occur.

### Health, Safety & Environment

#### • Health and Safety

This product 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 Safety Data Sheet, which can be obtained from <https://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

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