



Shell Immersion Cooling Fluid S3 X

Shell Immersion Cooling Fluid S3 X is a stabilized hydrocarbon fluid based on Shell Gas-to-Liquid Technology (GTL).

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- Shell Immersion Cooling Fluid S3 X is developed for blockchain computing operations using full immersion cooling. Our fluid is a di-electric developed with Shell Gas-to-Liquid Technology (GTL) to provide a cost effective way of maximizing ASIC or GPU based miner hashrates.
- Shell Immersion Cooling Fluid S3 X can help to do away with air conditioning and fans thus reducing the energy consumed by cooling infrastructure while removing heat generated effectively to enable higher hashrates within a safe operational temperature range.

Main Applications

- Liquid cooling for blockchain computing operation.

Typical Physical Characteristics

Properties			Method	Shell Immersion Cooling Fluid S3 X
Colour (Saybolt)			ASTM D156	>+30
Density	@15°C	kg/m ³	ASTM D4052	808
Flash Point		°C	ASTM D92	198
Pour Point		°C	ASTM D97	-42
Kinematic Viscosity	@40°C	mm ² /s	ASTM D445	9.9
Kinematic Viscosity	@0°C	mm ² /s	ASTM D7042	52.3
Neutralisation Value		mg KOH/g	IEC 62021-1	<0.01

These characteristics are typical of the research product, variations in these characteristics may occur.

Health, Safety & Environment

• Health and Safety

Shell Immersion Cooling Fluid S3 X is unlikely to present any significant health or safety hazard when properly used in the recommended applications and good standards of personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with new and used fluid. 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 your Shell representative.

• Protect the Environment

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