

Introduction

SealXpert® Copper Anti-Seize Compound is an anti-seize pre-assembly compound for use in any temperature from sub-zero to 1100°C (2000°F). It has extremely high film strength and has been formulated and produced to provide protection against seizure, even in extreme service conditions; ease and economy of labour when assembling and dismantling equipment; protection against rust, oxidation and other corrosion, especially with dissimilar metals.

Features

- Highly effective oxidation inhibitors
- Resistant to corrosion
- Resistant to vibration
- Resistant to contraction and expansion
- Ensures rapid and easy assembly of threaded parts
- Prevents seizing and galling
- Reduces wear in areas of high friction
- Withstands temperature from -40°C to 1100°C (-35°F to 2000°F)

Typical Applications

- Using SealXpert® Copper Anti-Seize Compound ensures quick and trouble-free dismantling for routine maintenance even after prolonged exposure to high temperature areas up to 1100°C (2000°F).
- In corrosive conditions such as coal mining or marine environments, SealXpert® Copper Anti-Seize Compound's unique combination of anti-seize properties with corrosion inhibitors gives quick and trouble-free dismantling.
- In areas of extreme surface pressure, the copper in SealXpert® Copper Anti-Seize Compound helps prevent metal-to-metal contact so there is no danger of galling or metal pickup even under extreme pressures.
- In any assembly process, SealXpert® Copper Anti-Seize Compound speeds assembly by reducing the nut driving torque requirements compared to using oil or grease. This is in addition to the anti-seize properties and the greatly increased ease of dismantling should this be necessary.
- In the petroleum industry using SealXpert® Copper Anti-Seize Compound in the drilling, production and refining process can save hours of downtime. It is extensively used on tool joints, drill collars, precision threads, large and small diameter pipelines and valves. SealXpert® Copper Anti-Seize Compound permits easy breakout of threaded connections without tearing or seizing even after prolonged exposure to corrosive conditions and high temperatures.

- In the automotive industry, SealXpert® Copper Anti-Seize Compound use as a lubricant behind disc brake pads to prevent brake squeal and for application to pivot points and adjusters on drum brakes to facilitate adjustments. For exhaust systems, use SealXpert® Copper Anti-Seize Compound between manifold, pipes and mufflers for removal without distortion or damage. SealXpert® Copper Anti-Seize Compound is also excellent for spark plug threads cylinder head bolts and gasket surfaces.

Specifications

Operating temperature range	- 40°C to 1100°C (-40°F to 2000°F)
Solidifying temperature	- 18°C (0°F)
Unworked penetration at 25°C (ASTM D217)	310-340
Contained fluid	vacuum distilled mineral oil
Drop point	non-melt
Closed cup flashpoint (ASTM D93)	243°C (470°F)
Neutralisation value (ASTM D974)	<0.05mg KOH3/G
Four-ball weld test (ASTM D2596)	passes at 400 kg (881 lbs)
K factor	0.16
Solubility in water	insoluble
Covering power	≈ 8m ² per kg
Corrosion resistant	complete in 10% hydrochloric acid and saturated salt solutions
Specific gravity	1.13

Direction for Use

Clean the contact areas and apply with brush, spatula, grease gun or automatic lubricating device.

Safety and Handling Consideration

Keep away from children.

Keep away from fire and avoid high temperature.

It's recommended to use the product in well ventilated place.

Avoid contact with skin or eyes. In case of eye contact, flush with water. For skin contact, wash thoroughly with soap and water. If swallowed do NOT induce vomiting. Get immediate medical attention.

More details, please refer to MSDS of this product

Recommended Storage:

Stored in a cool and dry location in unopened containers at 8~28°C.

Shelf life is 60 months under original seal

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