



FLEXBAR MACHINE CORPORATION

YOUR ASSURANCE OF QUALITY

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MATERIAL SAFETY DATA SHEET

3/3/09

Product: **ROCKSETT**

Identification:

Physical form: Low viscosity liquid

Color: Clear

PH: 13

Customs Tariff No.: 350610-90-0 350691-00-0

Composition:

Alkali Silicates 70%, Inert inorganic minerals 28%,

Non toxic inorganic & organic adhesion aids 2%

Reactivity:

The uncured product is miscible in all proportions with water.

It is stable under all normal condition

Acids will cause the product to gel.

Health & Hazard Data:

Exposure limit: None for any of the ingredients used in the composition.

Eye Contact: Severe irritation or discomfort.

Skin Contact: Prolonged or repeated contact may cause mild irritation.

Ingestion: May cause burns to the mouth and throat, and vomiting.

Personal Protection & Hygiene:

Care must be taken to avoid contact with eyes or prolonged contact with the skin.

For short applications of the viscous paste product it should not be necessary to wear goggles or gloves; but for more continuous applications they should be used.

When using lower viscosity versions, and particularly if spraying, then it is essential to wear the gloves and goggles.

Spillage on clothing can be removed by washing with water before they have had time to set.

First Aid Measures:

Eye contact: Quick action is essential! The eye should be immediately irrigated with clean water for at least 20 minutes, and medical attention must be obtained afterwards.

Skin contact: Wash with water.

Ingestion: Wash mouth with water and give copious quantities of water or milk to drink. Do not induce vomiting. Obtain medical attention.

Spillage: Wash down spills with water and flush to waste.

Disposal: Waste product should be dealt with in accordance with Local Authority Requirements for alkaline waste.

Fire & Explosion: The product is non-flammable. No special fire precautions necessary.

Storage:

Store above 32°F and below 122°F, and ensure that the product can only be withdrawn for use by persons possessing a copy of this Materials Safety Sheet. Below 32°F the product will freeze, and if stored above 122°F for any length of time it may dry out. Both situations will impair the product's performance.



TECHNICAL DATA SHEET

Product: **ROCKSETT**

Product Description

Rocksett is an all-purpose engineering adhesive/coating for use in threads and cylindrical assemblies which require to operate at high temperatures.

Product Benefits

- single component
- withstands temperatures up to 1100 c
- non toxic
- non hazardous
- solvent resistant
- acid resistant

Physical Properties

Type	a silicate solution with inorganic mineral additives.
viscosity	low
colour	amber
flashpoint	> 100c
shelf life	12 months
toxicity	non toxic

Cured Properties of Rocksett

Tensile Strength	1.5 N/mm ² or MPa (230 psi)
Shear strength	3.0 N/mm ² or MPa (460 psi)
Temperature Range	-180 + 1100 c
Gap filling	>.15mm
Electrical insulation	up to 20 radio MHz

Directions for Use

Surfaces to be bonded should be dry clean and grease free. Apply sufficient Rocksett to completely fill the bond area. Parts can be dip coated. Drops can be applied by syringe.

Storage

Store material in original containers only. A shelf life of 1 year can be expected if stored in conditions of between +5 and +25 c