Atom AC-8142
BARIUM PETROLEUM SULFONATE

AC 8142 is a high molecular weight, oil soluble, neutral barium sulfonate. It is recommended for formulations where acid absorption is a potential requirement along with a high level of rust protection. It has excellent inherent Demulsibility characteristics which provides high levels of corrosion inhibition, along with detergency, in formulating industrial lubricating oils.

APPLICATIONS

- **Corrosion inhibitor in mill oils**
- **rust preventatives, coatings and greases**
- **Dispersant and corrosion inhibitor in engine oil Demulsibility**
- **Wetting agent**
- **Non-staining**

RECOMMENDED DOSAGE

It is recommended for formulations where high level of non-staining- rust protection is desired can be used for formulating greases, hydraulic fluids, slushing oils, and other industrial products.

Component

Naphthenic Oil	0.5-25%
Paraffinic Oil	0.5-25%
Solvents- (Kerosene, Toluene, MTO, Etc.)	0.5-25%

Typical Characteristics

Characteristics	Method	Min	Max	Value
Appearance	Visual	Clear and Bright	-	Clear and Bright
Sp Gravity @ 15°C	ASTM 1298	1.01	1.10	1.05
Color , Dilute	ASTM 1500	3.0	5.0	4.5
Viscosity @ 100°C, cSt	ASTM D445	50	100	75
Flash Point, COC, °C	ASTM D92	180	-	200
Water Content, %wt.	ASTM D95	-	0.5	Nil
Average Molecular wt.	ASTM D3712	1050	1150+	1100
Mineral Oil, %wt.	ASTM D3712	45.0	50.0	47.0
Barium Sulfonate, %wt.	ASTM D3712	50.0	55.0	52.0
Barium Content, %wt.	ASTM 5185	6.5	6.7	6.6
TBN, mg KOH/gm	ASTM D974	2.0	5.0	3.0

HANDLING INFORMATION

AC 8142 is a Barium Petroleum Sulfonate which is normally handled at room temperature. For general purposes, the following storage and handling temperatures are recommended:

Storage Handling 50-70°C (122-158°F).

For more extensive information on the safe handling and use of this product, see the Material Safety Data Sheet.

SAFETY INFORMATION

For more extensive information on safe handling and use of this product, see the Safety Data Sheet.

SHIPPING INFORMATION

200 Kg Drum