

AUROPOL 412

DESCRIPTION

COMMON AND OTHER NAMES :	Sulphonated Castor Oil, Turkey Red Oil
CHEMICAL COMPOSITION :	Castor Oil, Sulphonated
CHARACTERISTICS :	AUROPOL 412 is a viscous golden/amber coloured liquid which readily disperses in water. A nutty odour characteristic of Castor Oil can be detected.

FORMULATING PROPERTIES

AUROPOL 412 is an anionic surfactant which has good solubilising powers, is compatible with a wide range of materials and is stable over a wide pH range. Sulphonated Castor Oil has been used for solubilising pine oil into water as a disinfectant cleaner and is suitable for other cosmetic and domestic cleaning formulations due to its mildness to the skin.

APPLICATIONS

Paper :	Levelling agent in paper coatings
Printing:	De-inking of printing presses
Textile :	Levelling and dispersing agent for acid and dispersed dyestuffs Carpet dyeing especially with nylon
Tanning :	Penetrating, lubricating and conditioning agent
Hygiene :	Detergent and cleaners, shampoos, super fatting agent for soaps
Adhesives :	Plasticizer for glues, wetting and spreading and antifoam properties
Metalworking:	Emulsifier or solubiliser in clear, water soluble grinding coolants.
General :	Carrier for vegetable oils, emulsifier for terpineols, mineral and fatty oils, softener and lubricant, dispersant, prevents excessive etching and under cutting of printing plates in photoengraving.

ATTRIBUTES

- Readily Biodegradable means that it will have a low environmental impact.
- Mild to skin means that it is suitable for formulating into personal care and hygiene products
- Excellent emulsification, lubrication and solubilising properties can provide formulators with the wide range of capabilities they require.

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TYPICAL CHEMICAL & PHYSICAL PROPERTIES

pH (1% aq)	6.5
Moisture	20%
Combined SO ₃	6% (Dry Basis)
Colour	10 Gardner
SG (20 ⁰ C)	1.04

USER INFORMATION

STORAGE

When stored indoors at temperatures below 40⁰C and in closed original containers, this product can be stored for at least 1 year. Refer to MSDS at www.vicchem.com for further information

PACKAGING 200 kg Steel Drums
 20 kg Plastic Containers

HEALTH, SAFETY & ENVIRONMENT

AUROPOL 412 is nontoxic, biodegradable and not classified as a dangerous good. According to experience this product is considered to be harmless to health if used in the correct manner. Refer to MSDS at www.vicchem.com

THE COMPANY

Victorian Chemical Company (VCC) is a research and development based manufacturer of environmentally responsible oil and surfactant products that are marketed in Australia and globally. Established August 1933, VCC provides products and services to a wide range of industries including; Agriculture, Construction, Metal Manufacturing and Chemical Formulators. VCC is highly skilled at developing new product formulations, customising existing products to suit individual requirements and also offers a comprehensive toll manufacturing service. VCC continually strives to supply high performance products that will provide enhanced safety to the user and the environment. VCC's operations are governed by the international quality system ISO 9001 which ensures consistent and reliable product performance.

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