

ISOMUL EXTRA

NON-IONIC EMULSIFIER, STABILIZER, & WETTING AGENT

Isomul Extra is a neutral (pH ~7), 100% concentrated, non-ionic terpene amide with very high detergency plus outstanding wetting and emulsification properties. It is low foaming and a potent soil remover and soil suspending agent. It is an excellent emulsifier for waxes, solvents, oils, and many other organic materials. It is an excellent de-inker and a high grade emulsifier to upgrade or improve the wetting properties of cleaners. It is suitable for use with solvent based, water based, and dry powder cleaners and provides a low but stable foam.

Isomul Extra is designed to have broad compatibility and stability in salts, acids, alkalis, and most normal processing chemicals. It is compatible with most anionic, cationic, and non-ionic softeners, detergents, and resins including many water repellent formulations where Isomul Extra acts as a stabilizing agent. Isomul Extra is effective in hard water without a loss of activity. It is stable when used with salts including aluminum acetate, aluminum sulphate, tartar emetic, copper sulphate, and zirconium sulphate. It also works well with alkaline builders such as tripolyphosphate and tetra sodium pyrophosphate to improve emulsifying and dispersing action. Isomul extra is stable in oxidizing agents such as alkalis and most bleaches (including sodium peroxide, sodium nitrite, sodium perborate, sodium bisulfite, sodium hydrosulfite.) It is also stable and compatible with most acids including acetic, formic, hydrochloric, nitric, etc.

Isomul Extra is an effective hard-water scum disperser, emulsifier and an exceptional cleaning material in dry powder metal cleaning formulations where it offers a low stable foam and eliminates redepositing.

It is an effective detergent in scouring or for dyeing piece goods and elastic fabrics because of its ability to suspend soil and prevent the soil from redepositing. It can be used in various textile scours or dye baths where a non-ionic dyeing aid is preferred, as a print wash, or to remove excess resin finish in textiles.

HANDLING PROPERTIES	VALUE	TEST METHOD
<u>ISOMUL EXTRA</u>		
Visual Appearance	light yellow to clear liquid	
Density	0.96 g/cm ³	ASTM E-201
Viscosity, Part A, @ 25°C	50 cps	ASTM D-2393
Flash Point	>100°C	ASTM D-92

STORAGE AND SHELF LIFE

Shelf life is at least 1 year from date of shipment. A small amount of separation can occur during storage or transportation. If separation occurs, tumble, rotate, or mix the container to achieve a homogeneous mixture prior to use. If desired, mild heating (ex. 50C) may make the material easier to mix. Containers should be kept tightly closed when not in use.

HANDLING PRECAUTIONS:

Mandatory and recommended industrial hygiene procedures should be followed whenever these products are being handled and processed. For additional information please consult the corresponding material safety data sheets.

PERSONAL HYGIENE:

ISOMUL EXTRA

WARNING!!! Causes severe eye irritation and possible eye damage. Causes severe skin irritation and possible allergic skin reaction. Harmful if inhaled. Harmful if swallowed. Wear Eye & skin protection when handling.

FIRST AID

In case of contact:

Skin – Immediately wash skin thoroughly with mild soap and water. Remove contaminated clothing and wash before reuse. Destroy contaminated shoes and other articles made of leather.

Eyes – Immediately flush eyes with plenty of water for 15 minutes and get prompt medical attention.

Inhalation - Remove person to fresh air. Administer oxygen or artificial respiration if necessary. Call a physician.

Ingestion - Do not induce vomiting. Dilute with plenty of water and contact physician immediately. Never give anything by mouth to an unconscious person.

DISCLAIMER:

IMPORTANT: The following supercedes Buyer's documents. **SELLER / MANUFACTURER MAKES NO REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, INCLUDING OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller / Manufacturer be liable for incidental, consequential or indirect damages for alleged negligence, breach of warranty, strict liability, tort or contract arising in connection with the product(s). Buyer's sole remedy and Seller's sole liability for any claims shall be Buyer's purchase price. Data and results presented are based on controlled or laboratory work and must be confirmed by Buyer by testing for its intended conditions of use. The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended

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