

An environmentally friend emulsion used for stripping off various protective coatings from a substrate

1. Description

The clean emulsion may be used to remove any type of liquid, powder or electrostatic coatings such epoxies, polyurethanes, enamels, acrylics, polysulfides and other chemically resistant coatings, including primers and base coats, on substrates such as metal, fiberglass, glass, plastic, ceramics, cement and wood. The compositions are particularly attractive where the painted metal substrate is susceptible to any forms of corrosion.

2. Characteristics

- (1) A viscous and ionic white emulsion of water in oil.
- (2) Nearly neutral composition of pH 6-7.
- (3) Specific gravity 1.13
- (4) Non-volatile and low vapour pressure.
- (5) Involving no chlorinated and phenolic solvents of toxic and heavily regulated.
- (6) Containing no wax, heavy metals, chromates, and inorganic and organic aggressive acids.
- (7) Including mainly some co-solvents such as alcohols, waters and

ether *etc.*

(8) Keeping the surface wet until coating is blistered and loose from the surface.

(9) Safe on substrates and no hydrogen embrittlement to the high strength steel.

(10) Allowing a long dwell time without evaporation and more flexibility of the stripping operation, including overnight dwell time if required.

(11) Biodegradable in constitutions and easily treatable in domestic sewer systems.

(12) Partly miscible in water.

(13) Suitable for use in wide range of applications.

3. Application

(1) The clean emulsion is designed for brush, mop and spray application which will cling to vertical, inverted, and inclined faces.

(2) Dwell time varies with temperature and the type of substrate coating, but should be 2 to 5 hours, with a maximum of 24 hours. Optimum results are achieved if atmospheric temperature is above 20°C.

(3) Single pack product requires no mixing or dilution.

(4) Once paint film has blistered, agitate area with stiff bristle brush if necessary then rinse off with pressure water or scrape and rinse off. A

re-application is permitted to some coating areas not softened or some resilient paint system.

(5) Clean and soiled or oily surface prior to stripping and mask off all perspex, plastic or rubber components.

4. Storage, Packaging, and Transport

(1) The product is stored in a cool, well ventilated place away from direct sunlight at temperature from -8°C to 25°C .

(2) The product is available in 120 mL, 240 mL, 1 L, 4 L, and 20 L metallic or plastic containers.

(3) It is possible to allow air and sea transports as general cargo because of a non-regulated product.

5. Shelf Life

Be of a shelf life of 12 months or more depending its packaging and mild temperature below 25°C from the data of manufacture.

6. Safety Precautions

(1) Avoid contact with the eyes, skin. If any, flush with water for a few minutes.

(2) Avoid breathing vapor or spray mist. If swallowed, give large volumes of water and contact a doctor immediately.

(3) Do not smoke.

(4) Keep away from children.