

1 IDENTIFICATION OF THE PREPARATION AND COMPANY

1. **Product Name: Corroless RF35 (2006) Hardener**
 Product Code: 4056045
 Revision: 8.00
 Issue Date: 08/01/15
2. **Intended Use:** Industrial
 Hardener for 2 Component Paint System
 to be mixed 1:3 by volume with 2986364 Base
3. **Supplier:**
CORROLESS Corrosion Control
 Kelvin Way,
 West Bromwich
 West Midlands
 B70 7JZ, United Kingdom
 Telephone: +44 (0)121 525 5665
 Facsimile: +44(0)121 553 2787
 (Not 24Hrs)
 Email: contact@corroless.com
 Website: www.corroless.com

2 HAZARDS IDENTIFICATION

Harmful:danger of serious damage to health by prolonged exposure through inhalation and in contact with skin
 May cause sensitisation by skin contact
 Causes severe burns
 Irritating to the respiratory system
 Toxic to aquatic organisms: may cause long-term adverse effects in the aquatic environment

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name Of Substance & [EINECS No]	Concentration	Symbol	R Phrases
Trimethyl hexamethylene diamine[247-063-2]	1- 10 %	C	R22-34-43-52/53
4-tert-Butyl phenol.[202-679-0]	25-50 %	Xn	R48/20/21-37/38-41-51/53
m-Xylylenediamine[216-032-5]	10-25 %	C	R20/22-35-52/53
Polyoxypropylene diamine.	25-50 %	C	R34

4 FIRST AID MEASURES

General

- * In all cases of doubt, or when symptoms persist, seek medical attention.
- * If unconscious place in recovery position, give nothing by mouth.

Inhalation

- * Remove to fresh air.
- * If breathing is irregular or stopped, administer artificial respiration.

Eye Contact

- * Immediately irrigate copiously with clean water for at least 10 minutes.

Skin Contact

- * Remove contaminated clothing.
- * Wash skin thoroughly with soap and water or recognised skin cleaner.
- * Do NOT use solvents or thinners.

Ingestion

- * If swallowed obtain immediate medical attention.
- * Keep at rest.
- * Do NOT induce vomiting.

5 FIRE FIGHTING MEASURES

- * Extinguishing Media: alcohol resistant foam, CO₂, powder or water fog.
- * Never use water jets or water from buckets etc. to fight fire.
- * Closed packages may be cooled with water spray.
- * Fire will produce dense black smoke.
- * Exposure to decomposition products may cause a health hazard.
- * Appropriate self contained breathing apparatus may be required.
- * Cool closed containers exposed to fire with water.
- * Do not allow run-off from fire-fighting to enter drains or water courses.

6 ACCIDENTAL RELEASE MEASURES

- * Ventilate the area.
- * Exclude non-essential personnel.
- * Avoid breathing vapours.
- * Contain/collect spillage with non-combustible absorbent materials.

7 HANDLING AND STORAGE

Handling

- * Persons with history of skin sensitisation problems should NOT be employed where this product is used unless under appropriate medical supervision.
- * Keep the container tightly closed.
- * Isolate from sources of heat, sparks and open flame.
- * Avoid skin and eye contact/inhalation of vapour and mist.
- * The Manual Handling Operation Regulations apply.
- * Guide pack weight: [5 Ltr= 7 Kgs] [20 Ltr= 24 Kgs] [25 Ltr= 29 Kgs]

Storage

- * HSE guidance note: Storage of Packaged Dangerous Substances HS (G) 71 should be observed.
- * Observe the label precautions.
- * Separate from oxidising agents.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

- * Persons with a history of skin sensitisation problems should be employed in processes in which this product is used only under appropriate medical supervision.

Engineering Measures

- * Provide adequate ventilation.
- * Spray in booths/enclosures with sufficient ventilation to prevent mist escaping to surrounding area.
- * Respiratory protective equipment should be worn by spray booth operators.

Workplace Exposure Limits (WEL's) - Expressed as parts per million if available, else milligrams/cubic metre(m).

- * Those marked "REC" are unofficial limits provided for guidance only.

Substance	VIR	8hr TWA	15 Min STEL	Type	Skin	Notes
Inhalable Dusts	I	10.000		WEL	N	
Respirable Dusts	R	4.000		WEL	N	

V=Vapour, I=Inhalable dust, R=Respirable dust

Hand, Eye, Skin Protection

- * Equipment conforming to Use of PPE Regulations should be worn.
- * COSHH Regulations apply.

9 PHYSICAL AND CHEMICAL PROPERTIES

- a) Physical State : Liquid
- b) Flash Point : Above 55°C
- c) Specific Gravity : 1.00 ± 0.05
- d) Vapour Density : Heavier Than Air.
- e) Solubility in Water : Partially miscible with Water

10 STABILITY AND REACTIVITY

- * Stable under recommended storage and handling conditions.
- * Decomposition products are carbon monoxide , carbon dioxide, smoke and oxides of nitrogen.
- * Keep away from oxidising agents, alkali and acid.

11 TOXICOLOGICAL INFORMATION

- * No data available on product itself, however: -
- * COSHH requires that persons exposed to respiratory sensitisers, are subject to appropriate health surveillance.
- * Substances used within this product have irritant properties.
- * Prolonged or repeated contact with skin/mucous membrane may result in symptoms such as redness, blistering or dermatitis.
- * Splashes in eyes may cause irritation.
- * Inhalation of droplets/aerosols may irritate respiratory tract.
- * Ingestion may lead to severe respiratory difficulties, stimulation of central nervous system and in extreme cases unconsciousness.
- * Cases of allergic skin reaction have been observed.
- * Repeated or prolonged contact may result in non-allergic contact dermatitis and absorption through the skin.

12 ECOLOGICAL INFORMATION

- * Do not allow to enter drains or water courses.
- * This product contains a substance which is :-
R51 - Toxic to aquatic organisms.

13 DISPOSAL CONSIDERATIONS

* In accordance with Control of Pollution Act and Environmental Protection Act.

14 TRANSPORT INFORMATION

	CDG- CPL	ADR	IMDG
Class Number	8	8	8
Subsidiary Hazard Code	NUL	NUL	NUL
Packing Group	III	III	III
Tunnel Codes / EmS Codes		(E)	F-A;S-B
Proper Shipping Name	Polyamines Liquid , Corrosive , n.o.s. m-Phenylene bis, (methylamine)		
U.N. Number	2735		
Marine Pollutant : Yes			

15 REGULATORY INFORMATION

* Classified and labelled for supply in accordance with the Chemicals (Hazard Information and Packaging) Regulations as follows:-

HEALTH C,Xn Corrosive & Harmful



PHYSICO-CHEMICAL Not Classified

ENVIRONMENT N Dangerous for the Environment



- R48/20/21 Harmful:danger of serious damage to health by prolonged exposure through inhalation and in contact with skin
- R43 May cause sensitisation by skin contact
- R35 Causes severe burns
- R37 Irritating to the respiratory system
- R51/53 Toxic to aquatic organisms: may cause long-term adverse effects in the aquatic environment
- SP94 Empty Containers should be disposed of in accordance with the requirements of the regs made under EPA or Control of Pollution Act
- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
- S28a After contact with skin, clean immediately with proprietary skin cleaner and wash with plenty of soapy water
- S36/37/39 Wear suitable protective clothing, gloves and eye/face protection
- S27 Take off immediately all contaminated clothing

* The information contained in this data sheet does not constitute the user's own assessment of workplace risks as required by health and safety legislation.

16 OTHER INFORMATION

* Do not use for purposes other than those shown in Section 1 without referring to the supplier.