



Material SAFETY DATA SHEET

DonClean RR

1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **DonClean RR**

Description: Rust remover and cleaner for steel reinforcement bars and other steel and iron surfaces

Manufacturer: **Don Construction Chemicals India LTD**
Tel. +914426185340/41/42
www.dcp-int.com

Date Prepared: 20.11.14

MSDS Number: DCP-IND/02/03

2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition: Phosphoric acid, water, fillers and additives.

Hazardous Ingredient(s)	Symbol	Risk Phrases	CAS No.	%
Phosphoric acid	C	R34	7664-38-2	20 – 35
Zinc phosphate	N	R50/53	7779-90-0	5 – 10
Isopropyl alcohol	F, Xi	R11, 36/37	67-63-0	< 5
Potassium chromate	T, N	R43, 46, 49	7789-00-6	≤ 0.5

Refer to Section 8 for Occupational Exposure Limits.

3: HAZARDS IDENTIFICATION

Hazard Information: Causes burns.
May cause sensitization by skin contact.
May cause inheritable genetic damage.
May cause cancer by inhalation.
Very toxic to aquatic organisms, may cause long-term adverse effect in the aquatic environment.

Classification: C, T, N. R34, 43, 46, 49, 50/53



4: FIRST AID MEASURES

Eyes:	Symptoms include eye burns, watering eyes. Rinse with plenty of water for a minimum of 15 minutes and seek medical attention immediately.
Skin:	Symptoms include burning, itching, redness, inflammation and/or swelling of exposed tissues. Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and wash using soap. Get medical attention if necessary.
Inhalation:	Inhalation of mists can cause corrosive action on mucous membranes. Symptoms include burning, choking, coughing, wheezing, laryngitis, shortness of breath, headache or nausea. Move casualty to fresh air and keep at rest. Get medical attention if symptoms persist.
Ingestion:	DO NOT induce vomiting! Causes corrosive burns of the mouth, gullet and gastrointestinal tract if swallowed. Symptoms include burning, choking, nausea, vomiting and severe pain. Wash out mouth with water and give a glass of water or milk. Get medical attention immediately.

5: FIRE FIGHTING MEASURES

Flash Point (Closed Cup) :	Not applicable.
Extinguishing Media:	Emits toxic fumes under fire conditions. Material can react with metals to produce flammable hydrogen gas. Forms flammable gases with aldehydes, cyanides, mercaptins and sulfides.
Personal Protective Equipment:	Use appropriate media for adjacent fire. Cool containers with water, keep away from common metals.
Special Exposure Hazards:	Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.
Environmental Precautions:	Prevent entry into drains, sewers and water courses.
Decontamination Procedures:	Cleanup personnel need personal protection from inhalation and skin/eye contact. Evacuate and ventilate the area. Prevent spillage from entering drains. Cautiously and water to spill, taking care to avoid splashing and spattering. Neutralize diluted spill with soda ash or lime. Absorb neutralized spill with vermiculite or other inert absorbent material, then place in a suitable container for disposal. Clean surfaces thoroughly with water to remove residual contamination. Any release to the environment may be subject to federal/national or local reporting requirements. Dispose of all waste or cleanup materials in accordance with local regulations. Containers, even when empty, will retain residue and vapours.



7: HANDLING AND STORAGE

Handling: Use with adequate ventilation. Wash thoroughly after using. Keep container closed when not in use.

Storage: Store in cool, dry well-ventilated area. Keep away from incompatible materials (see section 10 for incompatibilities). Drains for storage or use areas for this material should have retention basins for pH adjustment and dilution of spills.

8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eye Protection: Safety glasses/goggles.

Skin Protection: Wear neoprene or rubber gloves, apron and other protective clothing appropriate to the risk of exposure.

Respiratory Protection: In case of insufficient ventilation wear suitable equipment.

Engineering Controls: General and local exhaust ventilation is recommended to maintain vapour exposures below recommended limits.

Ingestion: Prevent eating, drinking or smoking in the areas of product use.

Exposure Guidelines:

Component	CAS Number	TWA	STEL
Phosphoric acid	7664-38-2	-	3 mg/m ³
Potassium chromate	7789-00-6	5µg/ m ³	-

9: PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid

Colour: Greenish clear

Odour: Not applicable

Boiling Point (°C): Not applicable

Flash Point (closed cup) (°C): Not applicable

Relative Density (@25°C): 1.18 – 1.22

Water Solubility: Soluble



10: STABILITY AND REACTIVITY

Stability:	Stable.
Conditions to Avoid:	Elevated temperatures.
Chemical Incompatibility:	Bases, combustible material, metals.
Hazardous Decomposition Products:	Phosphorus oxides, oxides of potassium, oxides of chromium.

11: TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on knowledge of the toxicity of the product's components. Expected inhalative LC50, rat > 1000 mg/kg.

Health Effects

On Eyes:	Harmful.
On Skin:	Harmful.
Sensitization	Harmful.
Chronic:	Harmful.

12: ECOLOGICAL INFORMATION

Environmental Assessment:	When used and disposed as intended, no adverse environmental effects are foreseen.
Mobility:	No data available.
Degradability:	No data available
Bioaccumulation:	No data available
Acute Fish Toxicity:	No data available.

13: DISPOSAL CONSIDERATION

Disposal must be in accordance with local and national legislation.

Unused Product:	Dispose off in an approved manner. DO NOT empty into drains, sewers or water courses.
Used/ Contaminated Product:	As for unused product.
Packaging:	As for unused product.

14: TRANSPORT INFORMATION

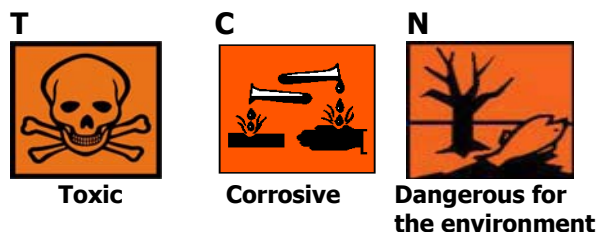


UN Number: 1805
 Transport Name: Phosphoric acid solution

Transport Type:		Class:	Pack Group:	Marine Pollutant
At Sea	IMO	8	III	No
Air Transport	IATA/ICAO	8	III	
At land	RID/ADR	8	III	

15: REGULATORY INFORMATION

Hazard Label Data:



Named Ingredients: Phosphoric acid, potassium chromate

Risk Phrases:

R34	Causes burns.
R43	May cause sensitization by skin contact.
R46	May cause inhalation genetic damage.
R49	May cause cancer by inhalation.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases:

S1/2	Keep locked up and out of the reach of children.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S45	In case of accident or if you feel unwell seek medical advice immediately (show the label where possible).
S53	Avoid exposure – obtain special instructions before use..
S60	This material and its container must be disposed of as hazardous waste.
S61	Avoid release to the environment. Refer to special instructions/safety data sheet.

16: OTHER INFORMATION

Issue Date: 20/11/2014 Revised Date: 23.02.17

Disclaimer: The information contained herein is derived from the best available sources and is believed to be accurate. However, no guarantee is expressed or implied regarding the accuracy of the data given in the use of this product.