

Safety Data Sheet

Mueller Descaler

1 PRODUCT AND COMPANY SPECIFICATION

Trade Name	Mueller Acid Descaler
Product Type	Descaler
Manufacturer/Supplier	Mueller Pasteurisers Ltd
Address	Smiths Road Charleville Co. Cork
Phone/Fax No.	063 89634
Emergency Phone Number	IN AN EMERGENCY DIAL 999

2 COMPOSITION/INFORMATION ON THE COMPONENTS

Chemical Nature	Phosphoric acid Nitric acid
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3 HAZARD IDENTIFICATION

Main Hazard	Harmful if swallowed or inhaled
Health Effects - Eyes	Contact with eyes can cause severe damage
Health Effects - Skin	Material will cause chemical burns
Health Effects - Ingestion	Causes severe damage to mucous membranes or deeper tissues
Health Effects - Inhalation	Concentrated mist may cause damage to the upper respiratory tract

4 FIRST AID MEASURES

First Aid - Eyes	Immediately flood the eye with plenty of water for at least 15 minutes
First Aid - Skin	Immediately flood the skin with large quantities of water, preferably under a shower. Continue washing for at least 10 minutes. Remove contaminated clothing as washing proceeds
First Aid - Ingestion	Wash out mouth with water. DO NOT induce vomiting. Seek medical advice immediately and show this document.
First Aid - Inhalation	Remove from exposure. Obtain medical attention urgently

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5 FIRE FIGHTING MEASURES

Extinguishing Media	Use water spray, foam, dry chemical or carbon dioxide.
Protective Equipment for Fire-Fighting	Use water spray to keep containers cool Fire fighters require the necessary personal protective equipment for corrosive chemicals. Wear self contained breathing apparatus

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear appropriate protective clothing. Material will create a hazardous environment
Environmental Precautions	Try to prevent the material from entering drains or water courses
Spillages	Small spillages may be flushed with large quantities of water. Large spillages should be collected for disposal. Contain or absorb using earth, sand (NOT sawdust) or other inert material. Finally flush area with plenty of water. Neutralise residues with lime or soda ash and run to drain with plenty of water.

7 HANDLING AND STORAGE

Handling	Wear recommended personal protective equipment. DO NOT mix with other chemicals
Ventilation	Good general ventilation
Storage	Storage area should be dry, well ventilated, out of direct sunlight. Store away from sources of heat or ignition. DO NOT store above, below or next to ACIDIC products. Store in original containers.

8 EXPOSURE CONTROL/PERSONAL PROTECTION

Occupational Exposure Standards (OES)	Long Term	Short Term
Phosphoric Acid	1 mg/m ³	2 mg/m ³
Nitric Acid	2 mg/m ³	4 mg/m ³
Respiratory Protection	Respiratory protection not normally required	
Hand Protection	PVC or rubber gloves	
Eye Protection	Chemical goggles or face shield	
Body protection	Wear PVC or other impermeable suit. PVC or rubber boots	

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Colour	Red

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10	STABILITY AND REACTIVITY	
	Stability	Stable under normal conditions
	Materials to Avoid	Strong bases
11	TOXICOLOGICAL INFORMATION	
	Acute Toxicity	The constituents of this preparation are classified as non-toxic
12	ECOLOGICAL INFORMATION	
	Persistence/Degradability	This product is readily biodegradable
	Ecotoxicity	Potentially hazardous due to the acidity of the product.
	Bio-accumulation	Product is not expected to bioaccumulate
13	DISPOSAL	
	Product Disposal	Dispose of in accordance with all applicable local and national regulations
	Container Disposal	Where possible, containers should be rinsed with clean water and disposed of in line with local regulations
14	TRANSPORT INFORMATION	
	UN Number	3264
15	REGULATORY INFORMATION	
	1988	Control of Substances Hazardous to Health Regulations
	1992	Road Traffic(Carriage of Dangerous Substances in Packages etc) Regulations
	1993	Chemicals (Hazards Information and Packaging) Regulations
	1994	EH40/94 Occupational Exposure Limits
16	OTHER INFORMATION	
	SDS issued	01-06-2000
	SDS revised	06-01-2009

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17 R & S PHRASES

Risk Phrases	R35	Causes severe burns
	R38	Irritating to skin
	R41	Risk of serious damage to eyes
Safety Phrases	S2	Keep out of the reach of children
	S23	Do not breathe vapour
	S24	Avoid contact with skin
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
	S36	Wear suitable protective clothing
	S39	Wear eye/face protection
	S45	In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)