



Material Safety Data Sheet

Date: 31/03/2017

MSDS 026

Section 1. Chemical Product and Company Identification

Product Name/Trade Name	SaniShine	
Synonym	Descaler/ Rust Remover	
Chemical Family	Phosphoric Acid	
Chemical Formula	N/A	
Manufacturer/Supplier	Sanichem(PTY) Ltd 141 Rochdale Road Springfield Park Durban 4091	Emergency Telephone No +27 31 579 3222

Section 2. Composition and information on Ingredients

Name	CAS #	PEL	TLV	%
Phosphoric Acid (85% Conc.)	7664-38-2	1mg/m ³	1mg/m ³	35 - 45
Glycolic Acid (705)	79 - 14 - 1	NE*	NE*	10
*NE=Not Established				
Other Ingredients:				
Water, surfactant, corrosion inhibitor				

Section 3. Physical and Chemical Properties

Boiling point	~212°F
Specific Gravity (H ₂ O=1)	~1.25
Vapour Pressure (mm Hg)	N/A
Vapour Density (AIR= 1)	N/A
Solubility in Water	Soluble
Reactivity in water	N/A
Appearance and Odour	Clear to light straw colour liquid with a burnt sugar odour.
pH	Concentrate<1.0 Diluted for use: 1.7 – 2.0

Section 4. Fire and Explosion Hazard Data

Flash Point (Method Used)	N/A
Flammable Limits	LEL: N/A UEL: N/A
Extinguishing Media	Not considered to be a fire hazard.
Special Fire Fighting Procedures	None
Unusual Fire Fighting procedures	None
Reactivity in water	N/A

Section 5. Reactivity Data

Stability	Stable
Conditions to avoid	Excessive heat
Incompatibility (Material to Avoid)	Strong caustics, metals, sulphides and sulphites
Hazardous Decomposition Products	Toxic fumes of phosphorous oxides, oxides of carbon
Hazardous Polymerization	Will not occur

Section 6. Health Hazard Data

Routes of entry	
Skin	Corrosive. Cause severe irritation, redness, pain and skin burns to every area of contact.
Eyes	Corrosive. Causes severe irritation, pain and eye damage.
Inhalation	Inhalation is irritating to the mucous membrane and respiratory tract. In extreme cases, severe irritation and burns may result.
Ingestion	Corrosive. Causes burns of the mouth, throat, and digestive tract.
Carcinogenicity	NTP: No
LARC Monographs	No
OSHA Regulated Carcinogen	No

Section 7. Emergency First Aid Procedures

Skin	Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention.
Eyes	Wash eyes with plenty of water for at least 15minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.
Inhalation	Remove to fresh air. If breathing is difficult, give oxygen. If symptoms persist, contact a physician.
Ingestion	Do not induce vomiting. Give large quantities of water and get medical attention.

Section 8. Precautions For Safe Handling & Use

Steps to be taken in case material is released or spilled	Isolate hazard area. Ventilate area of leak or spill. Contain and recover liquid when possible. Neutralize with alkaline material (soda ash, lime), then absorb with inert material and transfer to suitable container for disposal. Do not use combustible materials such as saw dust. Do not flush to sewer.
Waste Disposal Method	Incinerate in proper equipment. Dispose of in accordance with all Federal, State and Local regulations.
Precautions to be taken in handling and storing	Store at normal room temperature (65°F-75°F)
Other Precautions	Use according to directions. Contact with skin, soft tissue and eyes should be avoided and can cause surface damage to soft tissue.

Section 9. Control Measures

Respiratory Protection (Specify Type)	N/A
VENTILATION: Local Exhaust	Is preferred which prevents dispersion into the general work area.
Mechanical (general)	May be sufficient to control exposure to vapours.
Skin Protection	Wear impervious protective clothing, including boots, gloves, lab coat or apron as appropriate to prevent skin contact.
Eye Protection	Chemical safety goggles and / or full face shield where splashing of solutions is possible.
Other protective Clothing or Equipment	Eye wash and safety shower recommended in use area.
Work/ Hygiene Practices	Handle in accordance with good personal hygiene and safety practices. These practices include avoiding unnecessary exposure.

Section 10. Transportation Information

Regulated	DOT, IATA, IMO
Proper Shipping Name	PHOSPHORIC ACID (Solution)
Hazardous Class	8
Identification Number	UN1805
Packaging Group	III
Label	Corrosive

Section 11. Special Information

HMIS (Hazardous Material Identification System) Rating:	H3 F0 R0
[Hazard Index:4 – Severe Hazard; 3- Serious Hazard; 2- Moderate Hazard; 1- Slight Hazard; 0 – Minimum Hazard	