

MATERIAL SAFETY DATA SHEET



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n-virol

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1. PRODUCT IDENTIFICATION

Trade Name	SALT NEUTRALISER
Description	Aqueous solution to overcome salting in mineral building surfaces

2. HAZARDOUS INGREDIENTS

Component	CAS No	Classification	Concentration
Acetic acid	64-19-7	R10 C;R34	25 -50%

3. HAZARD IDENTIFICATION

Hazard designation	Corrosive
Health	Causes severe burns. Causes severe respiratory tract burns. Severely corrosive to the digestive tract
Environmental	Not classified as dangerous

4. FIRST AID MEASURES

Inhalation of vapour	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention immediately
Skin contact	Immediately wash exposed skin with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Obtain medical attention immediately.
Eye contact	In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. Obtain medical attention immediately
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Obtain medical attention immediately. If swallowed rinse mouth with water (only if person is conscious). If affected person is conscious, give a copious amount of water to drink

5. FIRE FIGHTING MEASURES

Extinguishing media	In case of fire, use water fog, alcohol resistant foam, dry chemical or carbon dioxide extinguisher or spray
Special exposure hazards	Carbon oxides (CO,CO ₂), (carbon monoxide, carbon dioxide) Flammable liquid or vapour. Vapours may form explosive mixtures with air. This material is not explosive as defined by established regulatory criteria
Protective equipment	Fire fighters should wear self contained positive pressure breathing apparatus (SCBA) and protective clothing

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Keep unnecessary personnel away. Do not walk through spilled material. Use suitable protective equipment. Follow all fire fighting procedures (See section 5)
Environmental Precautions	If emergency personnel are unavailable, contain spilled material. For small spills clean up and absorbent (soil may be used in the absence of other suitable materials)

7. HANDLING & STORAGE

Advice on safe handling	Don't get into eyes, on skin or on clothing. Use only in adequately ventilated area. Avoid breathing vapour or mist. Do not breathe vapour or mist
Storage conditions	Store between +5°C and +25°C.Keep container in a cool, well ventilated area. Keep container tightly closed and sealed until ready for use

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls	EU OEL 4/2004 Acetic acid TWA 25mg/m ³ 10 ppm 8h
Engineering controls	Ensure adequate ventilation of working area
Personal protection	Observe normal standards for handling chemicals. Avoid contact with skin and eyes. Wash hands before breaks and after work. Wear protective equipment appropriate to the task (see below)
Eye protection	Safety goggles (e.g. EN 166)
Skin protection	Butyl rubber gloves (also consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken)
Respiratory protection	Respirator if ventilation is judged to be insufficient
Other protection	Protective overalls

9. PHYSICAL & CHEMICAL PROPERTIES

Physical form	Mobile liquid
Colour	clear colourless
Odour	pungent. acidic
pH	acidic
Boiling pt /range	From 100 °C
Melting pt /range	-5 to +5°C
Flash point	n/a
Autoignition Temp	°C
Relative density	1.00 – 1.10
Viscosity	n/a
Water solubility	fully miscible

10. STABILITY & REACTIVITY

Conditions to avoid	Avoid strong heat. This product should be stored away from oxidising materials and strong bases. Protect from freezing
Material to avoid	Reactive with metals, oxidising agents, reducing agents, alkalis, alcohols
Hazardous Polymerisation	No dangerous reactions known
Hazardous decompositions products	These products are carbon oxides (CO, CO ₂) (carbon monoxide, carbon dioxide)

11. TOXICOLOGICAL INFORMATION

Acute Toxicity	Severely corrosive to the eyes. Causes severe eye damage. Vapour is strongly irritating to the eyes and respiratory system. Severely corrosive to the skin. Causes severe skin burns. Severely corrosive to the respiratory system. Causes severe respiratory tract burns, sore throat, coughing, shortness of breath. Severely corrosive to the digestive tract. Causes severe burns to the mouth, throat and digestive tract.
Acute Toxicity Acetic Acid Chronic Toxicity	LD50 Dermal Rabbit 1060 mg/kg LD50 Oral Rat 3310 mg/kg Acetic acid: Humans unacclimatised to acetic acid vapours experience extreme eye and nasal irritation at concentrations above 25ppm. Air concentrations of 50ppm are considered intolerable, causing intense eye weeping, nose and throat irritation

12. ECOLOGICAL INFORMATION

Degradation / elimination	Readily biodegradable
Bioaccumulation	No evidence for bioaccumulation
Ecotoxicity Acetic Acid	LC50 Bluegill 75mg/l 96h
Environmental Hazards	Not classified as dangerous
Other Ecological Information	Expected to be slightly toxic to aquatic species because of acidity

13. DISPOSAL CONSIDERATIONS

Advice on disposal	Disposal of product and packaging should always comply with local and national regulations
Contaminated packaging	Empty containers retain product residue and can be hazardous. Do not remove warning labels from containers

14. TRANSPORT INFORMATION

UK Transport Information	UK Transport Classification: Corrosive
UN No.	2790
IMDG code	Packing Group II, not classified as a marine pollutant
RID / ADR	Class 8,32(b)
IATA	Class 8, Packing Group II

15. REGULATORY INFORMATION

Labelling according to EU directive 1999/45/EC	
Symbol	Corrosive
R phrases	R34
S phrases	S26, S36/37/38, S45
Information given in this Material Safety Data Sheet does not constitute the user's own workplace risk assessment	

16. OTHER INFORMATION

This information is based on our present state of knowledge and is intended to describe our products from the point of view of the safety requirements. It should not be construed as guaranteeing specific properties and does not establish a legally valid contractual relationship.