

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
 Name : Salt Neutraliser  
 Product code : SN

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Intended for general public  
 Main use category : Consumer use, Industrial use  
 Use of the substance/mixture : Additive  
 Function or use category : Construction materials

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

Permagard Products Ltd  
 Chittening Industrial Estate  
 Avonmouth  
 Bristol BS11 OYB  
 England

Tel: 0117 982 3282

Email: sales@permagard.co.uk  
 Web: www.permagard.co.uk

#### 1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number
	National Poisons Information Centre Beaumont Hospital	Beaumont Hospital Beaumont Road 9 Dublin	: +353 1 8379964
	National Poisons Information Service (NHS Direct)	http://www.npis.org	111 (England & Wales only) or 112 (EU) or 08454 24 24 24 (Scotland)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin Irrit. 2 H315  
 Eye Irrit. 2 H319

Full text of classification categories and H statements : see section 16

##### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xi; R41  
 Xi; R38

Full text of R-phrases: see section 16

##### Adverse physicochemical, human health and environmental effects

Causes skin irritation. Causes serious eye irritation.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) : Warning  
 Hazard statements (CLP) : H315 - Causes skin irritation

Precautionary statements (CLP) : H319 - Causes serious eye irritation  
 : P102 - Keep out of reach of children  
 P264 - Wash hands and other exposed areas thoroughly after handling  
 P280 - Wear eye protection, protective clothing, protective gloves  
 P302+P352 - IF ON SKIN: Wash with plenty of water  
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 P332+P313 - If skin irritation occurs: Get medical advice/attention  
 P337+P313 - If eye irritation persists: Get medical advice/attention

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC
acetic acid	(CAS No) 64-19-7 (EC no) 200-580-7 (EC index no) 607-002-00-6	15 - 30	C; R35 R10
alcohol ethoxylate	(CAS No) 68439-45-2	5 - 15	Xn; R22 Xi; R41

Name	Product identifier	Specific concentration limits
acetic acid	(CAS No) 64-19-7 (EC no) 200-580-7 (EC index no) 607-002-00-6	(10 =< C < 25) Xi; R36/38 (25 =< C < 90) C; R34 (C >= 90) C; R35

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
acetic acid	(CAS No) 64-19-7 (EC no) 200-580-7 (EC index no) 607-002-00-6	15 - 30	Flam. Liq. 3, H226 Skin Corr. 1A, H314
alcohol ethoxylate	(CAS No) 68439-45-2	5 - 15	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319

Name	Product identifier	Specific concentration limits
acetic acid	(CAS No) 64-19-7 (EC no) 200-580-7 (EC index no) 607-002-00-6	(10 =< C < 25) Eye Irrit. 2, H319 (10 =< C < 25) Skin Irrit. 2, H315 (25 =< C < 90) Skin Corr. 1B, H314 (C >= 90) Skin Corr. 1A, H314

Full text of R- and H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
 First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.  
 First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.  
 First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact : Irritation.  
 Symptoms/injuries after eye contact : Eye irritation.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

### 5.2. Special hazards arising from the substance or mixture

Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

acetic acid (64-19-7)		
EU	IOELV TWA (mg/m <sup>3</sup> )	25 mg/m <sup>3</sup> (Acetic acid; EU; Time-weighted average exposure limit 8 h; Indicative occupational exposure limit value)
EU	IOELV TWA (ppm)	10 ppm (Acetic acid; EU; Time-weighted average exposure limit 8 h; Indicative occupational exposure limit value)
Austria	MAK (mg/m <sup>3</sup> )	25 mg/m <sup>3</sup>
Austria	MAK (ppm)	10 ppm
Austria	MAK Short time value (mg/m <sup>3</sup> )	50 mg/m <sup>3</sup>
Austria	MAK Short time value (ppm)	20 ppm
Belgium	Limit value (mg/m <sup>3</sup> )	25 mg/m <sup>3</sup>
Belgium	Limit value (ppm)	10 ppm
Belgium	Short time value (mg/m <sup>3</sup> )	38 mg/m <sup>3</sup>
Belgium	Short time value (ppm)	15 ppm
Bulgaria	OEL TWA (mg/m <sup>3</sup> )	25 mg/m <sup>3</sup>
Bulgaria	OEL STEL (mg/m <sup>3</sup> )	37 mg/m <sup>3</sup>
France	VLE (mg/m <sup>3</sup> )	25 mg/m <sup>3</sup>
France	VLE (ppm)	10 ppm
Germany	TRGS 900 Occupational exposure limit value (mg/m <sup>3</sup> )	25 mg/m <sup>3</sup>
Germany	TRGS 900 Occupational exposure limit value (ppm)	10 ppm
Germany	Remark (TRGS 900)	DFG,EU,Y
Greece	OEL TWA (mg/m <sup>3</sup> )	25 mg/m <sup>3</sup>
Greece	OEL TWA (ppm)	10 ppm

acetic acid (64-19-7)		
Greece	OEL STEL (mg/m <sup>3</sup> )	37 mg/m <sup>3</sup>
Greece	OEL STEL (ppm)	15 ppm
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	10 ppm
Italy - Portugal - USA ACGIH	ACGIH STEL (ppm)	15 ppm
Italy - Portugal - USA ACGIH	Remark (ACGIH)	URT & eye irr; pulm func
Latvia	OEL TWA (mg/m <sup>3</sup> )	25 mg/m <sup>3</sup>
Latvia	OEL TWA (ppm)	10 ppm
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	25 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (ppm)	10 ppm
Spain	VLA-ED (mg/m <sup>3</sup> )	25 mg/m <sup>3</sup>
Spain	VLA-ED (ppm)	10 ppm
Spain	VLA-EC (mg/m <sup>3</sup> )	37 mg/m <sup>3</sup>
Spain	VLA-EC (ppm)	15 ppm
Spain	Notes	VLI (Agente químico para el que la U.E. estableció en su día un valor límite indicativo. Todos estos agentes químicos figuran al menos en una de las directivas de valores límite indicativos publicadas hasta ahora (ver Anexo C. Bibliografía). Los estados miembros disponen de un tiempo fijado en dichas directivas para su transposición a los valores límites de cada país miembro. Una vez adoptados, estos valores tienen la misma validez que el resto de los valores adoptados por el país.)
Switzerland	VLE (mg/m <sup>3</sup> )	50 mg/m <sup>3</sup>
Switzerland	VLE (ppm)	20 ppm
Switzerland	VME (mg/m <sup>3</sup> )	25 mg/m <sup>3</sup>
Switzerland	VME (ppm)	10 ppm
Switzerland	Remark (CH)	4x15
Netherlands	Grenswaarde TGG 8H (mg/m <sup>3</sup> )	25 mg/m <sup>3</sup> (Azijzuur; Netherlands; Time-weighted average exposure limit 8 h; Public occupational exposure limit value)
Czech Republic	Expoziční limity (PEL) (mg/m <sup>3</sup> )	25 mg/m <sup>3</sup>
Czech Republic	Expoziční limity (PEL) (ppm)	10 ppm
Czech Republic	Expoziční limity (NPK-P) (mg/m <sup>3</sup> )	35 mg/m <sup>3</sup>
Czech Republic	Expoziční limity (NPK-P) (ppm)	14,3 ppm
Denmark	Grænseværdie (langvarig) (mg/m <sup>3</sup> )	25 mg/m <sup>3</sup>
Denmark	Grænseværdie (langvarig) (ppm)	10 ppm
Denmark	Anmærkninger (DK)	E
Finland	HTP-arvo (8h) (mg/m <sup>3</sup> )	13 mg/m <sup>3</sup>
Finland	HTP-arvo (8h) (ppm)	5 ppm
Finland	HTP-arvo (15 min)	25 mg/m <sup>3</sup>
Finland	HTP-arvo (15 min) (ppm)	10 ppm
Hungary	AK-érték	25 mg/m <sup>3</sup>
Hungary	CK-érték	25 mg/m <sup>3</sup>
Hungary	Megjegyzések (HU)	m; l.
Ireland	OEL (8 hours ref) (mg/m <sup>3</sup> )	25 mg/m <sup>3</sup>
Ireland	OEL (8 hours ref) (ppm)	10 ppm
Ireland	OEL (15 min ref) (mg/m <sup>3</sup> )	37 mg/m <sup>3</sup>
Ireland	OEL (15 min ref) (ppm)	15 ppm
Ireland	Notes (IE)	IOELV
Lithuania	IPRV (mg/m <sup>3</sup> )	25 mg/m <sup>3</sup>
Lithuania	IPRV (ppm)	10 ppm
Malta	OEL TWA (mg/m <sup>3</sup> )	25 mg/m <sup>3</sup>

acetic acid (64-19-7)		
Malta	OEL TWA (ppm)	10 ppm
Norway	Grenseverdier (AN) (mg/m <sup>3</sup> )	25 mg/m <sup>3</sup>
Norway	Grenseverdier (AN) (ppm)	10 ppm
Poland	NDS (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup>
Poland	NDSch (mg/m <sup>3</sup> )	30 mg/m <sup>3</sup>
Romania	OEL TWA (mg/m <sup>3</sup> )	25 mg/m <sup>3</sup>
Romania	OEL TWA (ppm)	10 ppm
Sweden	nivågränsvärde (NVG) (mg/m <sup>3</sup> )	13 mg/m <sup>3</sup>
Sweden	nivågränsvärde (NVG) (ppm)	5 ppm
Sweden	kortidsvärde (KTV) (mg/m <sup>3</sup> )	25 mg/m <sup>3</sup>
Sweden	kortidsvärde (KTV) (ppm)	10 ppm
Australia	TWA (mg/m <sup>3</sup> )	25 mg/m <sup>3</sup>
Australia	TWA (ppm)	10 ppm
Australia	STEL (mg/m <sup>3</sup> )	37 mg/m <sup>3</sup>
Australia	STEL (ppm)	15 ppm
Portugal	OEL TWA (ppm)	10 ppm
Portugal	OEL STEL (ppm)	15 ppm

### 8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station. Provide adequate general and local exhaust ventilation.

Personal protective equipment : Protective clothing. Protective goggles. Gloves.



Hand protection : Protective gloves.

Eye protection : Safety glasses.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental exposure controls : Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Colourless liquid.
Colour	: clear.
Odour	: Pungent.
Odour threshold	: No data available
pH	: 4
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: 100 °C
Flash point	: > 60 °C
Auto-ignition temperature	: 427 °C
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1,03 g/cm <sup>3</sup>
Solubility	: Soluble in water. Completely miscible.

Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

alcohol ethoxylate (68439-45-2)	
LD50 oral rat	> 1000 mg/kg (Rat)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit)
ATE CLP (oral)	500,000 mg/kg bodyweight
acetic acid (64-19-7)	
LD50 oral rat	3310 mg/kg bodyweight (Rat; Other; Read-across)
ATE CLP (oral)	3310,000 mg/kg bodyweight

Skin corrosion/irritation : Causes skin irritation.  
pH: 4

Serious eye damage/irritation : Causes serious eye irritation.  
pH: 4

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

### 12.2. Persistence and degradability

<b>alcohol ethoxylate (68439-45-2)</b>	
Persistence and degradability	Readily biodegradable in water.
<b>acetic acid (64-19-7)</b>	
Persistence and degradability	Readily biodegradable in water. Biodegradable in soil. Very mobile in soil.
Biochemical oxygen demand (BOD)	0,6 - 0,74 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	1,03 g O <sub>2</sub> /g substance
ThOD	1,07 g O <sub>2</sub> /g substance

### 12.3. Bioaccumulative potential

<b>alcohol ethoxylate (68439-45-2)</b>	
Log Pow	3,01 (Estimated value)
Bioaccumulative potential	Not bioaccumulative.
<b>acetic acid (64-19-7)</b>	
BCF fish 1	3,16 (BCF; Pisces)
Log Pow	-0,17 (Experimental value; 25 °C)
Bioaccumulative potential	Low bioaccumulation potential (Log Kow < 4).

### 12.4. Mobility in soil

<b>acetic acid (64-19-7)</b>	
Surface tension	0,028 N/m (20 °C)
Log Koc	log Koc,0.06; QSAR
Ecology - soil	May be harmful to plant growth, blooming and fruit formation.

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Waste disposal recommendations	: Remove waste in accordance with local and/or national regulations. Do not discharge into drains or the environment. May be discharged to wastewater treatment installation.
European List of Waste (LoW) code	: 07 02 14* - wastes from additives containing dangerous substances

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

### 14.1. UN number

Not dangerous goods in terms of transport regulations

### 14.2. UN proper shipping name

Not applicable

### 14.3. Transport hazard class(es)

Not applicable

### 14.4. Packing group

Not applicable

### 14.5. Environmental hazards

Other information : No supplementary information available.

### 14.6. Special precautions for user

#### 14.6.1. Overland transport

No additional information available

#### 14.6.2. Transport by sea

No additional information available

#### 14.6.3. Air transport

No additional information available

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	Salt Neutraliser - alcohol ethoxylate - acetic acid
3.a. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F	acetic acid
3.b. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	Salt Neutraliser - alcohol ethoxylate - acetic acid
40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.	acetic acid

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

CESIO recommendations

: The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

#### 15.1.2. National regulations

Water hazard class (WGK)

: 2 - hazard to waters

WGK remark

: Classification water polluting based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005 (Anhang 4)

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Full text of R-, H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H226	Flammable liquid and vapour
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H319	Causes serious eye irritation
R10	Flammable
R22	Harmful if swallowed
R35	Causes severe burns
R38	Irritating to skin
R41	Risk of serious damage to eyes
C	Corrosive
Xi	Irritant
Xn	Harmful

SDS EU\_NSC

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*