

## 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

**Product identifier:**

**Product name:** Acetic acid 20%

**REACH:** All ingredients in this formulation have been registered (where required) for applicable uses.

**Relevant identified uses of the substance or mixture and uses advised against:**

**Description:** Acids. Aqueous solution.

**Company name:** Nexchem Ltd  
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## 2. HAZARDS IDENTIFICATION

**Classification of the substance or mixture:**

**Classification - 1999/45/EC:** Xi; R36/38  
Symbols: Xi: Irritant.

**Main hazards:** Irritating to eyes and skin.

**Classification – EC 1272/2008:** Skin Irrit. 2: H315; Eye Irrit. 2: H319.

**Label elements:**

**Hazard pictograms:**



**Signal Word:** Warning

**Hazard Statement:** Skin Irrit. 2: H315 - Causes skin irritation.

**Label elements:** Eye Irrit. 2: H319 - Causes serious eye irritation.

**Precautionary Statement:** P264 - Wash hands thoroughly after handling.

**Prevention:** P280 - Wear protective gloves/protective clothing/eye protection/face protection.

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**Precautionary Statement:** P302+P352 - IF ON SKIN: Wash with plenty of water.

**Response:** 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.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Mixtures:**

**67/548/EEC / 1999/45/EC:**

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration No.	Conc. (%w/w)	Classification	M-factor
Acetic acid ...%	607-002-00-6	64-19-7	200-580-7		10 - 20%	R10 C; R35	

**EC 1272/2008:**

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration No.	Conc. (%w/w)	Classification	M-factor
WATER					70 - 80%		
Acetic acid ...%	607-002-00-6	64-19-7	200-580-7		10 - 20%	Flam. Liq. 3: H226; Skin Corr. 1A: H314;	

### 4. FIRST AID MEASURES

**Description of first aid measures:**

**Inhalation:** May cause irritation to respiratory system. Move the exposed person to fresh air. Seek medical attention.

**Eye contact:** Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.

**Skin contact:** Irritating to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.

**Ingestion:** Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING.

### 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Carbon dioxide (CO2).

**Special hazards arising from the substance or mixture:** Burning produces irritating, toxic and obnoxious fumes.

**Advice for firefighters:** Wear suitable respiratory equipment when necessary.

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## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:**

Wear suitable protective equipment. Adopt best Manual Handling considerations when handling, carrying and dispensing.

**Environmental precautions:** Do not allow product to enter drains. Prevent further spillage if safe.

**Methods and material for containment and cleaning up:**

Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

## 7. HANDLING AND STORAGE

**Precautions for safe handling:** Avoid contact with eyes and skin. Adopt best Manual Handling considerations when handling, carrying and dispensing.

**Conditions for safe storage, including any incompatibilities:**

Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control parameters:**

**Exposure Limit Values:**

Acetic acid ...% (Acetic acid)	DIR: 91/322	8hTWA ppm: 10
	8hTWA mg/m <sup>3</sup> : 25	STEL ppm: -
	STEL mg/m <sup>3</sup> : -	NOT: -

**DNEL: Derived no-effect level:** No data is available on this product.

**Exposure controls:**

**Appropriate engineering controls:** Not normally required.

**Individual protection measures:** Wear suitable protective clothing.

**Eye/face protection:** Approved safety goggles.

**Skin/hand protection:** Chemical resistant gloves (PVC).

**Respiratory protection:** Not normally required.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties:

Appearance:	Liquid
Colour:	Clear
Odour:	Characteristic
pH:	2 - 4
Relative density:	1 - 1.02
Solubility:	Soluble in water

## 10. STABILITY AND REACTIVITY

**Chemical stability:** Stable under normal conditions.

## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects:

**Skin corrosion/irritation:** Irritating to eyes. Irritating to skin.

## 12. ECOLOGICAL INFORMATION

**Persistence and degradability:** More than 90% biodegradable.

**Bioaccumulative potential:** Does not bioaccumulate.

## 13. DISPOSAL CONSIDERATIONS

**General information:** Dispose of in compliance with all local and national regulations.

## 14. TRANSPORT INFORMATION

### Hazard pictograms:



**UN number:** UN2790

**UN proper shipping name:** ACETIC ACID, SOLUTION

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**Transport hazard class(es):**

**ADR/RID:** 8

**Subsidiary risk:** -

**IMDG:** 8

**Subsidiary risk:** -

**IATA:** 8

**Subsidiary risk:** -

**Packing group:** III

**Environmental hazards:** No

**Marine pollutant:** No

**ADR/RID:**

**Hazard ID:** 80

**Tunnel Category:** (E)

**IMDG:**

**EmS Code:** F-A S-B

**IATA:**

**Packing Instruction (Cargo):** 856

**Maximum quantity:** 60 L

**Packing Instruction (Passenger):** 852

**Maximum quantity:** 5 L

**Further information:** The product is not classified as dangerous for carriage.

**15. REGULATORY INFORMATION**

**Safety, health and environmental regulations/legislation specific for the substance or mixture:**

**Regulations:** COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

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**Chemical safety assessment:** No chemical Safety assessment has been carried out by the supplier.

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

## 16. OTHER INFORMATION

**Text of risk phrases in Section 3:** R10 – Flammable.

R35 - Causes severe burns.

**Text of Hazard Statements in Section 3:** Flam. Liq. 3: H226 - Flammable liquid and vapour.

Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.

**Legal disclaimer:**

The information contained in this SDS does not constitute a risk assessment, and should not replace the user's own assessment of risks as required by other health and safety legislation. This advice is given by Nexchem Ltd who accept no legal liability for it except otherwise provided by law. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.