MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY.

PRODUCT NAME: Acetic Acid 80-89.99% (ALL GRADES)
PRODUCT CODE: AAACD
SUPPLIER: The Soap Kitchen, Unit 2e Hatchmoor Ind/Est, Torrington, EX38 7HP.
Emergency Tel No: 01805 622944

2. COMPOSITION / INFORMATION ON INGREDIENTS.

CHEMICAL NAME: Ethanoic Acid 80-89.99% (all grades)
CHEMICAL FORMULA: CH_3COOH

H-No:	CAS No: 64-19-7	Symbol: C
CoE No:	FEMA:	Additives:
FDA:	IFRA:	Application:
R Phrases: R35, R10	EINECS: 200-580-7	RTECS:
INCI name:	FCCIV:	

3. HAZARDS IDENTIFICATION:

Causes burns

4 (a). FIRST-AID MEASURES:

INHALATION:	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Obtain medical attention.
EYE CONTACT:	Rinse immediately with plenty of water for at least 15 mins. Obtain medical attention.
SKIN CONTACT:	Immediately flood the skin with plenty of water. Remove contaminated clothing as washing progresses. Affected clothing should be thoroughly washed or dry cleaned before re-use. Obtain medical advice if redness persists or blistering occurs.
INGESTION:	Do not induce vomiting. Wash out mouth with water. Give sips of cold water or milk to soothe affected parts. Obtain medical attention.
OTHER:	When assessing action take Risk & Safety Phrases into account (Section 15)

4 (b). Effects and Symptoms:

INHALATION:	Exposure to vapour may cause severe irritation to nose, throat and respiratory tract.
EYE CONTACT:	Liquid will cause severe conjunctival irritation and corneal damage.
SKIN CONTACT:	Material will cause chemical burns.
INGESTION:	Swallowing may cause corrosion of the mouth, throat and digestive tract.
AGGRAVATING CONDITIONS:	Repeated or prolonged contact with mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection.

Note to Physician. Keep under medical surveillance for 48 hours if exposure to fumes is suspected.

5. FIRE FIGHTING MEASURES.

EXTINGUISHING MEDIA	Select extinguishing media appropriate to other materials involved. Water Spray, Chemical Foam, Dry Powder, carbon Dioxide. Keep containers and surroundings cool with water spray or mist.
SPECIAL MEASURES:	Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing. Vapours can travel a considerable distance to a source of ignition and flashback.
HAZARDOUR DECOMPOSITION:	Hazardous decomposition products, Carbon Monoxide.
EXTINGUISHING PROCEDURES:	Cool containers with water spray to prevent pressure build-up, auto ignition or explosion.

6. ACCIDENTAL RELEASE MEASURES.

PERSONAL PRECAUTIONS:	Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment (safety glasses, boots, suitable protective clothing).
ENVIRONMENT PRECAUTIONS:	Advise authorities if spillage has entered water course or sewer or has contaminated soil or vegetation.
CLEANING UP METHODS:	Neutralise by careful addition of hydrated lime or soda ash. Contain and absorb using earth, sand or inert material. Transfer to suitable containers for waste disposal or recovery. Flush area with plenty of water.

7. HANDLING & STORAGE.

PRECAUTIONS IN HANDLING:	Keep away from heat and sources of ignition. Do not ingest. Do not breathe vapour/fumes/spray. If ingested seek medical advice immediately and show the container or label. Emergency washing and eye wash facilities should be available.
STORAGE CONDITIONS:	Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum. Storage tanks should be insulated and provided with steam coils. Vent pipes should be fitted with flame arresters and be steam traced. Ground and bond all equipment containing material to avoid static discharge.
FIRE PROTECTION:	Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION.

WORKPLACE EXPOSURE LIMITS:	Not Available
RESPIRATORY PROTECTION:	Avoid breathing product vapour. Apply local ventilation where possible. Wear appropriate respirator when ventilation is inadequate.
ENGINEERING MEASURES:	Provide exhaust ventilation or other engineering controls to keep airborne concentrations below their respective threshold limit. Ensure eye wash and safety washing facilities are nearby..
SKIN PROTECTION:	Avoid all skin contact. Use chemically resistant gloves, overall or apron, rubber boots.
EYE PROTECTION:	Chemical goggles
WORK/HYGIENE PRACTICES:	Wash hands with soap & water after handling.

9. PHYSICAL & CHEMICAL PROPERTIES.

COLOUR:	Colourless
APPEARANCE:	Mobile liquid
ODOUR:	Acetic
BOILING POINT:	Aprox 120 degC
MELTING POINT:	-7 degC (80% solution)
DENSITY:	Not available
VAPOUR DENSITY:	2.07 (Air =1)
VAPOUR PRESSURE:	15.7 mbar (20 degC)
LOWER EXPLOSION LIMIT:	LOWER: 3.5% UPPER: 19%
SOLUBILITY:	Completely soluble
PH:	2.4 (1.0M Solution)

10. STABILITY & REACTIVITY.

REACTIVITY:	This product is stable. Avoid static discharge and exposure to direct sunlight. Avoid oxidising agents, Nitric acid, alcohols, alkalis.
DECOMPOSITION:	Attacks many metals liberating hydrogen gas. Combustion will generate carbon oxides (CO_4).

11. TOXICOLOGICAL INFORMATION.

Hazardous in case of skin contact. Hazardous in case of eye contact. Acute toxicity Oral LD50 (rat) 3310mg/kg. Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection.

12. ECOLOGICAL INFORMATION.

ECOTOXICITY:	This product is rated as slightly toxic to aquatic species. High concentrations injure aquatic life by effect on pH.

13. DISPOSAL CONSIDERATIONS.

Flush neutralised residues to drain with plenty of water. Disposed of in accordance with federal, state and local environmental control regulations.

14. TRANSPORT REGULATIONS.

UN:	UN Number 2789
UN:	Proper shipping name: Acetic Acid Solution, more than 80% acid by mass..
UN:	Class 8 Sub class 3
UN:	Packing group II
UN:	Label 
ROAD (ADR/RID):	Class 8 Sub class 3. Hazard Identification Number 83. Proper shipping Name: Acetic Acid Solution, more than 80% acid by mass.
AIR (IATA/ICAO):	Proper shipping name: Acetic Acid Solution, more than 80% acid by mass. Class 8 Sub class 3, Packing group II
SEA (IMDG):	Proper shipping name: Acetic Acid Solution, more than 80% acid by mass. Class 8 Sub class 3, Packing group II

15. REGULATORY INFORMATION.

HAZARDS:	Hazard symbol
CLASSIFICATION:	Corrosive
RISK PHRASES:	R34 Causes Burns
SAFETY PHRASES:	S1 / 2 Keep locked up and out of reach of children S23 Do not breathe gas/fumes/vapour/spray S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label wherever possible)
CONTAINS:	Ethanoic Acid
PRODUCT USE:	Classification and labelling have been performed according to EU directives 67/548/EEC, 88/379/EEC, including amendments and the intended use - Consumer applications.

16. OTHER INFORMATION.

PACKAGING:

Type	Suitability
Glass	Yes
Lacquer lined steel/tin	No
Aluminium	No
HPPE	No
F/HDPE	Yes
Other plastic	No

Q.C. REQUIREMENTS.

In-line with general product specification. Always satisfy suitability for specific application.

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding its' correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use.