Safety Data Sheet
ACC 3320

Safety Data Sheet dated 6/3/2013, version 1
In compliance with Regulation (EC) 453/2010

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Mixture identification:

Trade name: ACC 3320

Product type: acid cleaner

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

Recommended use:

Washing and cleaning products (including solvent based products)

Products such as ph-regulators, flocculants, pre-cipitants, neutralization agents

Uses advised against:

Not available

1.3. Details of the supplier of the safety data sheet

Supplier:

AirChem Consumables, LOB 10, Office # 10F14, JAFZA, Dubai, UAE

Tel: +971-4-881 8084, Fax: +971-4-881 6022, Email: airacc@acc.ae

Competent person responsible for the safety data sheet:

airacc@acc.ae

1.4. Emergency telephone number

AirChem Consumables, Tel: +971-4-881 8084, Fax: +971-4-881 6022, Email: airacc@acc.ae

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:

Properties / Symbols:

Xi Irritant

R Phrases:

R36/38 Irritating to eyes and skin.

Adverse physicochemical, human health and environmental effects:

If brought into contact with the eyes, the product causes irritation that may last for over 24 hours, and if brought into contact with the skin it causes significant inflammation with erythema, scabs, and oedema.

2.2. Label elements

Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:

Symbols:

Xi Irritant

R Phrases:

R36/38 Irritating to eyes and skin.

S Phrases:

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37 Wear suitable gloves.

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances
Not applicable
3.2. Mixtures
Hazardous components within the meaning of EEC directive 67/548 and CLP regulation and related classification:
10% - 20% Acetic acid
REACH No.: 01-2119475328-30-XXXX, Index number: 607-002-00-6, CAS: 64-19-7, EC: 200-580-7
C; R10-35

2.6/3 Flam. Liq. 3 H226


3.2/1A Skin Corr. 1A H314

For the complete text of the hazard and risk phrases refer to paragraph 16

SECTION 4: First aid measures

4.1. Description of first aid measures
In case of skin contact:
Immediately take off all contaminated clothing.
Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.
Wash thoroughly the body (shower or bath).
Remove contaminated clothing immediatley and dispose off safely.
After contact with skin, wash immediately with soap and plenty of water.
In case of eyes contact:
After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an opthalmologist immediately.
Protect uninjured eye.
In case of Ingestion:
Do NOT induce vomiting.
Give nothing to eat or drink.
In case of Inhalation:
Remove casualty to fresh air and keep warm and at rest.
If breathing is irregular or stopped, administer artificial respiration.
In case of inhalation, consult a doctor immediately and show him packing or label.
4.2. Most important symptoms and effects, both acute and delayed
None
4.3. Indication of any immediate medical attention and special treatment needed
In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
Treatment:
None

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media:
Water.
Carbon dioxide (CO_2).
Extinguishing media which must not be used for safety reasons:
None in particular.
5.2. Special hazards arising from the substance or mixture
Do not inhale explosion and combustion gases.
Burning produces heavy smoke.
5.3. Advice for firefighters
Use suitable breathing apparatus .
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Wear personal protection equipment.
Remove persons to safety.
See protective measures under point 7 and 8.
6.2. Environmental precautions
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
Retain contaminated washing water and dispose it.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
Suitable material for taking up: absorbing material, organic, sand
6.3. Methods and material for containment and cleaning up
Wash with plenty of water.
6.4. Reference to other sections
See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Avoid contact with skin and eyes, inhaltion of vapours and mists.
Don't use empty container before they have been cleaned.
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
Contamined clothing should be changed before entering eating areas.
Do not eat or drink while working.
See also section 8 for recomened protective equipment.
7.2. Conditions for safe storage, including any incompatibilities
Keep away from food, drink and feed.
Incompatible materials:
None in particular.
Instructions as regards storage premises:
Adequately ventilated premises.
7.3. Specific end use(s)
For more information see Technical date bulletin
None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
Contained substances
Acetic acid - CAS: 64-19-7
ACGIH - LTE: 25 mg/m3, 10 ppm - STE: 37 mg/m3, 15 ppm - Behaviour: Binding
DNEL Exposure Limit Values
Acetic acid - CAS: 64-19-7
Worker Professional: 25 mg/m3 - Consumer: 25 mg/m3 - Exposure: Human Inhalation Short Term, systemic effects
Worker Professional: 25 mg/m3 - Consumer: 25 mg/m3 - Exposure: Human Inhalation Long Term, systemic effects
PNEC Exposure Limit Values
Acetic acid - CAS: 64-19-7
Target: Marine water sediments - Value: 1.136 mg/kg
Target: Soil - Value: 0.47 mg/kg
Target: Fresh Water - Value: 3.058 mg/l
Target: Marine water - Value: 0.3058 mg/l
Target: Occasional issue - Value: 30.58 mg/l
Target: Freshwater sediments - Value: 11.36 mg/kg
8.2. Exposure controls
Eye protection:
Use close fitting safety goggles, don't use eye lens.
Protection for skin:
Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.
Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

Environmental exposure controls:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance and colour:	Clear liquid
Odour:	pungent
Odour threshold:	n.av. mg/m3
pH:	1.5
Melting point / freezing point:	initial 0 °C
Initial boiling point and boiling range:	initial 100 °C
Solid/gas flammability:	na
Upper/lower flammability or explosive limits:	na % v/v
Vapour density (air=1):	> 1
Flash point:	none °C
Evaporation rate:	na
Vapour pressure:	3.2 kPa
Relative density:	1.01 g/ml
Solubility in water:	complete
Solubility in oil:	n.av.
Partition coefficient (n-octanol/water):	n.av.
Auto-ignition temperature:	none °C
Decomposition temperature:	n.av. °C
Viscosity:	n.av. mPa.s
Explosive properties:	none
Oxidizing properties:	none

9.2. Other information

Miscibility:	acqua
Fat Solubility:	na
Conductivity:	n.av.
Substance Groups relevant properties:	n.av.

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

It may generate flammable gases on contact with dithiocarbamates, elementary metals (alkalis, alkaline earth, powder alloys or vapours) nitrides, and powerful reducing agents.

It may generate toxic gases on contact with dithiocarbamates, inorganic fluorides, inorganic sulphides, and powerful oxidising agents.

It may catch fire on contact with elementary metals (alkalis and alkaline earth).

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

None in particular.

10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information of the main substances found in the mixture:

Acetic acid - CAS: 64-19-7

a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 3530 mg/kg
Test: LD50 - Route: Oral - Species: Rat = 4960 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat > 16000 Ppm - Duration: 4h
Test: LC50 - Route: Inhalation - Species: Mouse = 5620 Ppm - Duration: 1h - Source: RTECS
b) skin corrosion/irritation:
Test: Skin Corrosive - Route: Skin - Species: Rat Positive - Source: OECD 404
Test: Eye Corrosive - Route: EYES - Species: Rabbit Positive - Source: OECD 405

If not differently specified, the information required in Regulation 453/2010/EC listed below must be considered as N.AV.:
a) acute toxicity;
b) skin corrosion/irritation;
c) serious eye damage/irritation;
d) respiratory or skin sensitisation;
e) germ cell mutagenicity;
f) carcinogenicity;
g) reproductive toxicity;
h) STOT-single exposure;
i) STOT-repeated exposure;
j) aspiration hazard.

SECTION 12: Ecological information

12.1. Toxicity
Based on the information available it is not expected that this product may cause any adverse environmental effect when use instructions and disposal recommendations are followed.
Adopt good working practices, so that the product is not released into the environment.
List of substances hazardous to the environment and eco-toxicological information available:

Acetic acid - CAS: 64-19-7
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 75 mg/l - Duration h: 96 - Notes: Lepomis macrochirus
Endpoint: EC50 - Species: Daphnia > 300.82 mg/l - Duration h: 48 - Notes: Daphnia magna
Endpoint: LC50 - Species: Daphnia = 310 mg/l - Duration h: 48
Endpoint: IC50 - Species: Daphnia = 47 mg/l - Duration h: 96
Endpoint: LC50 - Species: Fish = 410 mg/l - Duration h: 48 - Notes: Leuciscus idus melanotus
Endpoint: LC50 - Species: Fish = 106 mg/l - Duration h: 24 - Notes: Ciprinidi
Endpoint: LC50 - Species: Fish = 251 mg/l - Duration h: 24 - Notes: Gambusia affinis
Endpoint: LC50 - Species: Fish > 300.82 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss
Endpoint: EC50 - Species: Algae > 300.82 mg/l - Duration h: 72 - Notes: Skeletonema costatum

12.2. Persistence and degradability
Acetic acid - CAS: 64-19-7
Biodegradability: Rapidly degradable - Test: Biochemical oxygen demand - Duration: Not applicable - %: 96 - Notes: BOD20
Biodegradability: Rapidly degradable - Test: Biochemical oxygen demand - Duration: Not applicable - %: 76 - Notes: BOD5
Regulation (EC) No. 648/2004 on Detergents and amendments:
Not applicable

12.3. Bioaccumulative potential
Acetic acid - CAS: 64-19-7
Bioaccumulation: Not bioaccumulative - Test: Not applicable Not applicable - Duration: Not applicable - Notes: Not applicable

12.4. Mobility in soil
Acetic acid - CAS: 64-19-7
Mobility in soil: Mobile - Test: Not applicable Not applicable - Duration: Not applicable - Notes: Not applicable

12.5. Results of PBT and vPvB assessment
vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects
None

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Product and its residue:
Do not dispose in the canals of wastewater, waterways and soil.
The codes indicating the type of waste are considered based on the recommendations and scheduled use of this product. Different codes may be assigned bused on the end user's use and the characteristics of the disposal.
Waste code CER/EWC (2000/532/CE), attributable to the product as:
07 06 01*
H8
Any remaining product should be disposed of with the material.
Containers/contaminated packaging
Containers, even completely empty, must not be disposed in the environment. The packigings which can not be cleaned should be disposed of as the material.
Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

14.1. UN number

ADR-UN Number:	2790
IATA-UN Number:	2790
IMDG-UN Number:	2790

14.2. UN proper shipping name

ADR-Shipping Name:	ACETIC ACID SOLUTION, more than 10% and less than 50% acid, by mass
IATA-Shipping Name:	ACETIC ACID SOLUTION, more than 10% and less than 50% acid, by mass
IMDG-Shipping Name:	ACETIC ACID SOLUTION, more than 10% and less than 50% acid, by mass

14.3. Transport hazard class(es)

ADR-Class:	8
ADR - Hazard identification number:	80
IATA-Class:	8
IATA-Label:	8
IMDG-Class:	8

14.4. Packing group

ADR-Packing Group:	III
IATA-Packing group:	III
IMDG-Packing group:	III

14.5. Environmental hazards

ADR-Enviromental Pollutant:	No
IMDG-Marine pollutant:	No

14.6. Special precautions for user

ADR-Subsidiary risks:	-
ADR-S.P.:	597 647
ADR-Tunnel Restriction Code:	(E)
IATA-Passenger Aircraft:	852
IATA-Subsidiary risks:	-
IATA-Cargo Aircraft:	856
IATA-S.P.:	-

IATA-ERG: 8L
IMDG-EmS: F-A , S-B
IMDG-Subsidiary risks: -
IMDG-Storage category: Category A
IMDG-Storage notes: -

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
No

SECTION 15: Regulatory information

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

1999/13/EC (VOC directive)
Volatile Organic compounds - VOCs = 0.00 %
Volatile Organic compounds - VOCs = 0.00 g/l
Volatile CMR substances = 0.00 %
Halogenated VOCs which are assigned the risk phrase R40 = 0.00 %
Organic Carbon - C = 0.00

15.2. Chemical safety assessment
Not available

SECTION 16: Other information

Full text of phrases referred to in Section 3:
R10 Flammable.
R35 Causes severe burns.

H226 Flammable liquid and vapour.
H314 Causes severe skin burns and eye damage.

This document was prepared by a competent person who has received appropriate training.
This MSDS cancels and replaces any preceding release.
Where applicable, refer to the following regulatory provisions :
Council Directive 67/548/EEC (Classification, packaging and labelling of dangerous substances) and subsequent amendments; Regulation (EC) n°1272/2008; Regulation (EC) N. 790/2009 (annex VI), Regulation (EC) n. 1907/2006 (REACH).
Commmission Directive 1999/45/EC (Classification, packaging and labelling of dangerous preparation) and subsequent amendments; Commmission Directive n. 2006/8/CE.
Regulation (EC) nr 648/2004 and CE N. 907/2006 (Detergents).
Directive 2003/105/EC ('Activities linked to risks of serious accidents') and subsequent amendments.
Directive 75/324/EEC (aerosols) and subsequent amendments. Directive 76/768/CEE (cosmetic products) and subsequent amendments.
Directive 76/769/EEC (restrictions on the marketing and use of certain dangerous substances and preparations) and subsequent amendments. Regulation (EC) N. 304/2003 and subsequent amendments.
Directive 98/8/CE (placing of biocidal products on the market) and subsequent amendments.
Directives 91/156/CEE, 91/689/CEE, 94/62/CE (Disposal of waste) and subsequent amendments.
The European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), current edition.
regulations IATA/ICAO = Dangerous Goods Regulations by air, current edition.
RID = Regulations concerning the International Carriage of Dangerous Goods by Rail, current edition.
IMDG Code = International Maritime Dangerous Goods Code produced by the International Maritime Organization (IMO), current edition.
Directive 91/271/EEC and 91/676/CEE (protection of waters) and subsequent amendments.

Main bibliographic sources:
ESIS: European chemical Substances Information System and Environmental hazard classification.
Occupational exposure limit values (Commission Directives 2000/39/EC and 2006/15/CE)
ACGIH - TLV's for 2010
NIOSH - Registry of toxic effects of chemical substances (1983)
Material Safety Data Sheets of chemicals, REACH database

Material Safety Data Sheet and Technical Data of raw material as by Supplier
The ISS National Inventory of Chemical Substances (INSC)

Abbreviations and acronyms:

TLV-TWA = Threshold Limit Value- time-weighed average, 8-hour workday, 40-hour workweek;
TLV-STEL-15 min = Threshold Limit Values - Short Term Exposure Limit; TLV-C = Ceiling exposure limit;
Notes: IBE= Biological Exposure Indices; SEN= sensitizer; Skin= Can be absorbed through the skin.
Carcinogenicity categories: A1 / A2 = confirmed / suspected human carcinogen; A3 = Animal carcinogen; A4 / A5 = Not Classificable/not suspected as a human carcinogen. ACGIH = American Conference on Governmental Industrial Hygienists. OEL =Occupational Exposure Limit. LTE =long term exposure, STE=short term exposure.
n.av.= Not Available, n.a. = not applicable; LD50=lethal dose (solids and liquids), LC50=lethal concentration (gases) that will kill 50% of the test animals; ADR= European Agreement concerning the International Carriage of Dangerous Goods by Road. Regulations IATA/ICAO = Dangerous Goods Regulations by air, current edition.
RID = Regulations concerning the International Carriage of Dangerous Goods by Rail, current edition. IMDG Code = International Maritime Dangerous Goods Code produced by the International Maritime Organization (IMO), current edition.
PBT = Persistent, Bioaccumulative and Toxic substances. ; vPvB = very Persistent and very Bioaccumulative substances; CMR = Carcinogenic, mutagenic or reproduction toxic substances.

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.
It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.