

5.2M Ammonium Acetate Solution (563)

Version 1

Revision Date 02/19/2008

Print Date 02/19/2008

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : 5.2M Ammonium Acetate Solution
MSDS Number : 000000012393
Product Use Description : Laboratory Use

Company : Honeywell International Inc.
1953 South Harvey Street
Muskegon, MI 49442

For more information call : 1-800-368-0050
(Monday-Friday, 9:00am-5:00pm)

In case of emergency call : Medical: 1-800-498-5701
: **Transportation: 1-800-424-9300 or 703-527-3887**
: (24 hours/day, 7 days/week)

SECTION 2. HAZARDS IDENTIFICATION**Emergency Overview**

Form : Aqueous solution

Color : colourless

Odor : slight, product specific

Hazard Summary : May be harmful by inhalation, in contact with skin and if swallowed. May cause eye irritation. May cause respiratory tract irritation. May cause skin irritation. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapour or mist. Do not swallow.

Potential Health Effects

Skin : May irritate skin.
May be harmful if absorbed through skin.

Eyes : May irritate eyes.

Ingestion : May cause irritation of the gastrointestinal tract.
May cause nausea, vomiting, diarrhea, and abdominal discomfort.

Inhalation : May cause respiratory tract irritation.

Chronic Exposure : Repeated or prolonged exposure to the substance can produce

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liver damage.

Aggravated Medical Condition : Liver disorders

Carcinogenicity

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP, IARC, or OSHA.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Weight %
Water	7732-18-5	62.47
Ammonium acetate	631-61-8	37.53

SECTION 4. FIRST AID MEASURES

- Inhalation : Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Use oxygen as required, provided a qualified operator is present. Call a physician if irritation develops or persists.
- Skin contact : Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing and shoes immediately. Wash contaminated clothing before re-use. Call a physician if irritation develops or persists.
- Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician if irritation develops or persists.
- Ingestion : Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. If victim is fully conscious, give a cupful of water. Call a physician if irritation develops or persists.

Notes to physician

Treatment : Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Flash point : >82.2 °C (180.0 °F)

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Lower explosion limit	:	not determined
Upper explosion limit	:	not determined
Suitable extinguishing media	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray Carbon dioxide (CO ₂) Foam Dry chemical
Specific hazards during fire fighting	:	This product is not flammable at ambient temperatures and atmospheric pressure. In case of fire hazardous decomposition products may be produced such as: Ammonia Carbon dioxide (CO ₂), carbon monoxide (CO), oxides of nitrogen (NO _x), dense black smoke.
Special protective equipment for fire-fighters	:	In the event of fire and/or explosion do not breathe fumes. Wear self-contained breathing apparatus and protective suit.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions	:	Immediately evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Wear personal protective equipment. Unprotected persons must be kept away. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapour or mist. Do not swallow.
Environmental precautions	:	Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. Prevent product from entering drains.
Methods for cleaning up	:	Ventilate the area. Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).

SECTION 7. HANDLING AND STORAGE

Handling

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Handling : Handle with care.
Wear personal protective equipment.
Use only in well-ventilated areas.
Avoid contact with skin, eyes and clothing.
Avoid inhalation of vapour or mist.
Do not swallow.
Wash hands thoroughly after handling.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Storage

Requirements for storage areas and containers : Keep containers tightly closed in a dry, cool and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Containers should be protected against falling down.
Store away from incompatible substances.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Protective measures : Ensure that eyewash stations and safety showers are close to the workstation location.
Avoid contact with skin, eyes and clothing.
Avoid inhalation of vapour or mist.
Do not swallow.
Wash thoroughly after handling.

Engineering measures : General room ventilation is adequate for storage and handling.

Eye protection : Do not wear contact lenses.
Wear as appropriate:
Safety glasses with side-shields
If splashes are likely to occur, wear:
Goggles or face shield, giving complete protection to eyes

Hand protection : Protective gloves
Gloves must be inspected prior to use.
Replace when worn.

Skin and body protection : Wear as appropriate:
Long sleeved clothing
Rubber or plastic apron
Gloves
If splashes are likely to occur, wear:
Protective suit

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- Respiratory protection : In case of insufficient ventilation wear suitable respiratory equipment.
For rescue and maintenance work in storage tanks use self-contained breathing apparatus.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
Ensure adequate ventilation, especially in confined areas.
Avoid contact with skin, eyes and clothing.
Avoid inhalation of vapour or mist.
Do not swallow.
Keep working clothes separately.
Remove and wash contaminated clothing before re-use.
Wash hands before breaks and immediately after handling the product.

Exposure Guidelines

Contains no substances with occupational exposure limit values.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Form : Aqueous solution
- Color : colourless
- Odor : slight, product specific
- pH : 7.7
- Freezing point : not determined
- Boiling point/boiling range : not determined
- Vapor pressure : not determined
- Density : 1.068 g/cm³
at 20 °C (68 °F)
- Water solubility : completely miscible

SECTION 10. STABILITY AND REACTIVITY

- Materials to avoid : Sodium hypochlorite
Strong acids
Strong oxidizing agents
- Hazardous decomposition products : In case of fire hazardous decomposition products may be produced such as:

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Ammonia
Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.

Hazardous reactions : Hazardous polymerisation does not occur.
Stable under recommended storage conditions.

SECTION 11. TOXICOLOGICAL INFORMATION

Additional advice : There is no data available for this product.

SECTION 12. ECOLOGICAL INFORMATION

Additional ecological information : There is no data available for this product.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste Information: Observe all Federal, State, and Local Environmental regulations.

SECTION 14. TRANSPORT INFORMATION

DOT Not dangerous goods

TDG Not dangerous goods

IATA Not dangerous goods

IMDG Not dangerous goods

SECTION 15. REGULATORY INFORMATION**Inventories**

EU. EINECS : On or in compliance with the inventory

US. Toxic Substances Control Act : On TSCA Inventory

Australia. Industrial Chemical (Notification and Assessment) Act : On or in compliance with the inventory

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Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL). (Can. Gaz. Part II, Vol. 133) : All components of this product are on the Canadian DSL list.

Japan. Kashin-Hou Law List : On or in compliance with the inventory

Korea. Toxic Chemical Control Law (TCCL) List : On or in compliance with the inventory

Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act : On or in compliance with the inventory

China. Inventory of Existing Chemical Substances : On or in compliance with the inventory

Switzerland. Consolidated Inventory : On or in compliance with the inventory

New Zealand. Interim Inventory of Chemicals (as published by ERMA new Zealand) : On or in compliance with the inventory

National regulatory information

SARA 313 Components : Ammonium acetate 631-61-8

SARA 311/312 Hazards : Acute Health Hazard
Chronic Health Hazard

CERCLA Reportable Quantity : 17986 lbs

California Prop. 65 : This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

Massachusetts RTK : Ammonium acetate 631-61-8

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New Jersey RTK	: Water	7732-18-5
	: Ammonium acetate	631-61-8
Pennsylvania RTK	: Water	7732-18-5
	: Ammonium acetate	631-61-8
WHMIS Classification	: Not Rated	

SECTION 16. OTHER INFORMATION

	HMIS III	NFPA
Health Hazard	: 1	1
Flammability	: 1	1
Physical Hazard	: 0	
Instability	:	0