

Safety Data Sheet

according to 29CFR1910/1200 and GHS Rev. 3

Effective date : 12.21.2014

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Acetanilide, Tech Grade

SECTION 1 : Identification of the substance/mixture and of the supplier

Product name : Acetanilide, Tech Grade

Manufacturer/Supplier Trade name:

Manufacturer/Supplier Article number: S25117

Recommended uses of the product and uses restrictions on use:

Manufacturer Details:

AquaPhoenix Scientific
9 Barnhart Drive, Hanover, PA 17331

Supplier Details:

Fisher Science Education
15 Jet View Drive, Rochester, NY 14624

Emergency telephone number:

Fisher Science Education Emergency Telephone No.: 800-535-5053

SECTION 2 : Hazards identification

Classification of the substance or mixture:



Irritant

AcTox Oral 4
Skin Irrit. 2
Eye Irrit. 2A
Specific Target. Organ tox. 3
Aquatic AcTox. 3
Aquatic ChrTox. 3

Signal word :Warning

Hazard statements:

Harmful if swallowed
Causes skin irritation
Causes serious eye irritation
May cause respiratory irritation
Harmful to aquatic life with long lasting effects

Precautionary statements:

If medical advice is needed, have product container or label at hand
Keep out of reach of children
Read label before use
Wear protective gloves/protective clothing/eye protection/face protection
Wash skin thoroughly after handling
Avoid breathing dust/fume/gas/mist/vapours/spray
Do not eat, drink or smoke when using this product
Use only outdoors or in a well-ventilated area
Avoid release to the environment

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IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
Take off contaminated clothing and wash before reuse
Specific treatment (see supplemental first aid instructions on this label)
IF ON SKIN: Wash with soap and water
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do.
Continue rinsing
Call a POISON CENTER or doctor/physician if you feel unwell
Rinse mouth
If skin irritation occurs: Get medical advice/attention
If eye irritation persists get medical advice/attention
Store in a well ventilated place. Keep container tightly closed
Store locked up
Dispose of contents and container as instructed in Section 13

Combustible Dust Hazard: :

May form combustible dust concentrations in air (during processing).

Other Non-GHS Classification:

WHMIS



NFPA/HMIS



NFPA SCALE (0-4)

Health	2
Flammability	1
Physical Hazard	0
Personal Protection	X

HMIS RATINGS (0-4)

SECTION 3 : Composition/information on ingredients

Ingredients:

CAS 103-84-4	Acetanilide	100 %
Percentages are by weight		

SECTION 4 : First aid measures

Description of first aid measures

After inhalation: Loosen clothing as necessary and position individual in a comfortable position. Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult give oxygen. Do not perform mouth-to-mouth on an unconscious person. Get medical assistance immediately.

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After skin contact: Get medical assistance. Wash hands and exposed skin with soap and plenty of water. Before wearing wash contaminated clothing. Immediately rinse/flush the exposed skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

After eye contact: Protect unexposed eye. Rinse or flush exposed eye gently using water for 15-20 minutes. Remove contact lenses while rinsing. Occasionally lift the upper and lower eyelids while rinsing. Get medical assistance.

After swallowing: Call poison control center. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical assistance.

Most important symptoms and effects, both acute and delayed:

Irritation. Nausea. Headache. Shortness of breath.;

Indication of any immediate medical attention and special treatment needed:

If seeking medical attention provide SDS document to physician. Notes to Physician: Treat symptomatically.

SECTION 5 : Firefighting measures

Extinguishing media

Suitable extinguishing agents: For small fires use water spray, dry chemical, carbon dioxide, or chemical foam. Use water spray to cool fire-exposed containers.

For safety reasons unsuitable extinguishing agents: Strong oxidizers. Strong bases.

Special hazards arising from the substance or mixture:

Combustion products may include carbon oxides or other toxic vapors.

Advice for firefighters:

Protective equipment: Wear protective eyewear, gloves, and clothing. When air-purifying respirators are appropriate select full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. When necessary use NIOSH approved breathing equipment.

Additional information (precautions): Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Remove all sources of ignition.

SECTION 6 : Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Use spark-proof tools and explosion-proof equipment. Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Remove from all sources of ignition.

Environmental precautions:

Should not be released into environment. Collect contaminated soil for characterization per Section 13 .

Methods and material for containment and cleaning up:

Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions for protective equipment. Avoid generating dust. Provide ventilation.

Reference to other sections:

SECTION 7 : Handling and storage

Precautions for safe handling:

Wash hands and exposed skin with soap and plenty of water. Wash hands before breaks and immediately after handling the product. Avoid inhalation and ingestion. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Follow good hygiene procedures when handling chemical materials. Do not eat, drink, smoke, or use personal products when handling chemical substances. Use only in well ventilated areas. Avoid generation of dust or fine particulate. Avoid contact with eyes, skin, and clothing.

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Conditions for safe storage, including any incompatibilities:

Store away from incompatible materials. Store with like hazards. Keep away from food, beverages, and feed sources. Do not store product and empty container away from heat and sources of ignition. Keep from contact with oxidizing materials. Keep away from strong bases. Keep container tightly closed in a cool, dry, and well-ventilated area. Store in inert atmosphere. Store away from acids.

SECTION 8 : Exposure controls/personal protection



Control Parameters:

No applicable occupational exposure limits

Appropriate Engineering controls:

It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment. Use adequate general or local explosion-proof ventilation to keep airborne levels to acceptable levels. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

Respiratory protection:

Not required under normal conditions of use. Normal ventilation is adequate.

Protection of skin:

Select glove material impermeable and resistant to the substance. Select glove material based on rates of diffusion and degradation. Wear protective clothing.

Eye protection:

Safety glasses with side shields or goggles.

General hygienic measures:

Follow Chemical Hygiene Plan. Wash hands and exposed skin with soap and plenty of water. Wash hands before breaks and immediately after handling the product. Wash contaminated clothing.

SECTION 9 : Physical and chemical properties

Appearance (physical state,color):	White crystalline powder	Explosion limit lower: Explosion limit upper:	Non Explosive Non Explosive
Odor:	Odorless	Vapor pressure:	Not Determined
Odor threshold:	Not Determined	Vapor density:	4.65
pH-value:	Not Determined	Relative density:	Not Determined
Melting/Freezing point:	113-115°C	Solubilities:	Slightly soluble
Boiling point/Boiling range:	304°C	Partition coefficient (n-octanol/water):	Not Determined
Flash point (closed cup):	173°C	Auto/Self-ignition temperature:	545°C
Evaporation rate:	Not Determined	Decomposition temperature:	Not Determined

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Flammability (solid,gaseous):	Not Determined	Viscosity:	a. Kinematic:Not Determined b. Dynamic: Not Determined
Density: Not Determined			

SECTION 10 : Stability and reactivity

Reactivity:None under normal processing

Chemical stability:Stable under normal conditions.

Possible hazardous reactions:

Conditions to avoid:Dust generation.

Incompatible materials:Strong bases.Strong oxidizers.

Hazardous decomposition products:Carbon oxides.Nitrogen oxides.

SECTION 11 : Toxicological information

Acute Toxicity:		
Oral:	800 mg/kg	Oral LD50 Rat
Chronic Toxicity: No additional information.		
Corrosion Irritation: No additional information.		
Sensitization:	Irritation: Irritating to eyes and skin.	
Single Target Organ (STOT):	No additional information.	
Numerical Measures:	No additional information.	
Carcinogenicity:	No additional information.	
Mutagenicity:	No additional information.	
Reproductive Toxicity:	No additional information.	

SECTION 12 : Ecological information

Ecotoxicity

Lepomis macrochirus: 96 Hr LC50: 100 mg/L

Persistence and degradability: Possibly hazardous short term degradation products are not likely. Long term degradation products may arise.The products of degradation are more toxic.

Bioaccumulative potential:

Mobility in soil:

Other adverse effects: Readily biodegradable.

SECTION 13 : Disposal considerations

Waste disposal recommendations:

Do not allow product to reach sewage system or open water.It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities (US 40CFR262.11). If necessary use trained response staff or contractor. Consult federal, state, provincial, and local regulations regarding the proper disposal of waste material that may incorporate some amount of this product.

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SECTION 14 : Transport information

UN-Number

UN proper shipping name

Transport hazard class(es)

Packing group:

Environmental hazard:

Transport in bulk:

Special precautions for user:

SECTION 15 : Regulatory information

United States (USA)

SARA Section 311/312 (Specific toxic chemical listings):

Acute

SARA Section 313 (Specific toxic chemical listings):

None of the ingredients is listed

RCRA (hazardous waste code):

None of the ingredients is listed

TSCA (Toxic Substances Control Act):

103-84-4 The components of this solution are not listed on the TSCA Inventory.

CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act):

None of the ingredients is listed

Proposition 65 (California):

Chemicals known to cause cancer:

None of the ingredients is listed

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed

Chemicals known to cause developmental toxicity:

None of the ingredients is listed

Canada

Canadian Domestic Substances List (DSL):

All ingredients are listed.

Canadian NPRI Ingredient Disclosure list (limit 0.1%):

None of the ingredients is listed

Canadian NPRI Ingredient Disclosure list (limit 1%):

None of the ingredients is listed

SECTION 16 : Other information

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the

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SDS contains all the information required by the Controlled Products Regulations. Note: The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations applicable to this material.

GHS Full Text Phrases:

Abbreviations and acronyms:

IMDG: International Maritime Code for Dangerous Goods

PNEC: Predicted No-Effect Concentration (REACH)

CFR: Code of Federal Regulations (USA)

SARA: Superfund Amendments and Reauthorization Act (USA)

RCRA: Resource Conservation and Recovery Act (USA)

TSCA: Toxic Substances Control Act (USA)

NPRI: National Pollutant Release Inventory (Canada)

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

WHMIS: Workplace Hazardous Materials Information System (Canada)

DNEL: Derived No-Effect Level (REACH)

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