

Material Safety Data Sheet

Section 1. Product and Company Identification

Product Name Aniline Sulfate
AX1505

Product Code

EMD Chemicals Inc.

Manufacturer
Effective Date 5/25/2004

P.O. Box 70

5/25/2004

Print Date

480 Democrat Road

Gibbstown, NJ 08027

Prior to January 1, 2003 EMD Chemicals Inc. was EM

Industries, Inc. or EM Science, Division of EM
Industries,
Inc.

For More Information Call
In Case of Emergency Call

856-423-6300 Technical Service
800-424-9300 CHEMTREC (USA)

Monday-Friday: 8:00 AM - 5:00 PM
613-996-6666 CANUTEC (Canada)

24 Hours/Day: 7 Days/Week

None.

Synonym

Analytical reagent.

Material Uses

Organic salt.

Chemical Family

Section 2. Composition and Information on Ingredients

Component		% by
CAS #		
Weight		
Aniline Sulfate		
542-16-5		100

Section 3. Hazards Identification

Solid. (Powdered solid.)

Physical State and

Appearance

WARNING!

Emergency Overview

HARMFUL IF INHALED, ABSORBED THROUGH SKIN OR SWALLOWED.

CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION.

VERY TOXIC TO AQUATIC ORGANISMS.

LABORATORY TESTS INDICATE MATERIAL MAY BE CARCINOGENIC.

Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.

Routes of Entry

Potential Acute Health Effects

Eyes Hazardous in case of eye contact (irritant).
Inflammation of the eye is characterized by

redness, watering, and itching.

Skin Hazardous in case of skin contact (permeator,
irritant). Skin inflammation is characterized by

itching, scaling, reddening, or, occasionally,
blistering.

Inhalation Hazardous in case of inhalation (lung irritant).

Ingestion Hazardous in case of ingestion.

Potential Chronic Health Effects

Carcinogenic Effects Classified 3 (Possible for human.) by European
Union.

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Additional information See Toxicological
Information (section 11)

Repeated exposure to a highly toxic material may
produce general deterioration of health by an

Medical Conditions

accumulation in one or many human organs.

Aggravated by

Overexposure:

Section 4. First Aid Measures

Check for and remove any contact lenses. In case
of contact, immediately flush eyes with

Eye Contact

plenty of water for at least 15 minutes. Cold water may be used. Get medical attention

immediately.

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while

Skin Contact

removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold

water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get

medical attention immediately.

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult,

Inhalation

give oxygen. Get medical attention immediately.

Ingestion If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give

anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or

waistband. Get medical attention immediately.

Section 5. Fire Fighting Measures

May be combustible at high temperature.

Flammability of the

Product

Not available.

Auto-ignition

Temperature

Not available.

Flash Points

Not available.

Flammable Limits

These products are carbon oxides (CO, CO₂),
nitrogen oxides (NO, NO₂...), sulfur oxides

Products of Combustion

(SO₂, SO₃...).

Not available.

Fire Hazards in Presence

of Various Substances

Risks of explosion of the product in presence of
static discharge: No.

Explosion Hazards in

Presence of Various

Risks of explosion of the product in presence of
mechanical impact: No.

Substances

SMALL FIRE: Use DRY chemical powder.

Fire Fighting Media

LARGE FIRE: Use water spray, fog or foam. Do not
use water jet.

and Instructions

Protective Clothing (Fire) Be sure to use an approved/certified respirator or
equivalent.

Not available.

Special Remarks on Fire

Hazards

Not available.

Special Remarks on

Explosion Hazards

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Section 6. Accidental Release Measures

Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Small Spill and Leak

Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Use

Large Spill and Leak

water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if

needed. Eliminate all ignition sources. Call for assistance on disposal. Be careful that the

product is not present at a concentration level above TLV. Check TLV on the MSDS and with

local authorities.

No specific spill kit required for this product.

Spill Kit Information

Section 7. Handling and Storage

Do not ingest. Avoid breathing dust. Keep container closed. Do not get in eyes, on skin, or

Handling

on clothing.

Keep container in a cool, well-ventilated area.

Storage

Section 8. Exposure Controls/Personal Protection

Use process enclosures, local exhaust ventilation, or other engineering controls to keep

Engineering Controls

airborne levels below recommended exposure limits. If user operations generate dust, fume or

mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection

Eyes Splash goggles.

Body Lab coat.

Respiratory Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear

appropriate respirator when ventilation is inadequate.

Hands Gloves.

Feet Not applicable.

Protective Clothing

(Pictograms)

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self-contained breathing

Personal Protection in

apparatus should be used to avoid inhalation of the product. Suggested protective clothing

Case of a Large Spill

might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits

Product Name

Aniline Sulfate
Notes: Advisory

INRS (France, 1999). Skin

VME: 7.6 mg/m³ 8 hour(s).

Section 9. Physical and Chemical Properties

Not available.

Odor

Off-white.

Color

Solid. (Powdered solid.)

Physical State and
Appearance

283.34 g/mole

Molecular Weight

(C₆H₅NH₂)₂ . H₂SO₄

Molecular Formula

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	Not available.
pH	
	Not available.
Boiling/Condensation Point	
	Not available.
Melting/Freezing Point	
	Not available.
Specific Gravity	
Vapor Pressure	Not available.
	Not available.
Vapor Density	
	Not available.
Odor Threshold	
	Not available.
Evaporation Rate	
	Not available.
LogKow	
	Soluble in water.

Solubility

Section 10. Stability and Reactivity

The product is stable.

Stability and Reactivity

Not available.

Conditions of Instability

Reactive with oxidizing agents, acids.

Incompatibility with

Various Substances

Not available.

Rem/Incompatibility

Hazardous Decomposition carbon oxides (CO, CO₂) , nitrogen oxides (NO, NO₂...) , sulfur oxides (SO₂, SO₃...)

Products

Hazardous Polymerization Will not occur.

Section 11. Toxicological Information

Aniline Sulfate

RTECS Number:
Not available.

LD50: Not available.

Toxicity

LC50: Not available.

CARCINOGENIC EFFECTS: Classified 3 (Possible for human.) by European Union.

Chronic Effects on

Humans

Hazardous in case of eye contact (irritant).
Inflammation of the eye is characterized by redness,

Acute Effects on Humans

watering, and itching. Hazardous in case of skin
contact (permeator, irritant). Skin inflammation is

characterized by itching, scaling, reddening, or,
occasionally, blistering. Hazardous in case of

inhalation (lung irritant). Hazardous in case of
ingestion.

Synergetic Products Not available.

(Toxicologically)

Irritancy Draize Test: Not available.

Sensitization Not available.

Carcinogenic Effects Classified 3 (Possible for human.) by European
Union.

Toxicity to Reproductive Not available.

System

Teratogenic Effects

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Not available.

Mutagenic Effects

Not available.

Section 12. Ecological Information

Not available.

Ecotoxicity

Not available.

BOD5 and COD

Toxicity of the Products of The products of degradation are less toxic than the product itself.

Biodegradation

Section 13. Disposal Considerations

Not available.

EPA Waste Number

Material does not have an EPA Waste Number and is not a listed waste, however consultation

Treatment

with a permitted waste disposal site (TSD) should be accomplished. Always contact a

permitted waste disposal (TSD) to assure compliance with all current local, state, and Federal

Regulations..

Section 14. Transport Information

Proper Shipping Name: CHEMICALS, N.O.S.

DOT Classification

RQ: Not applicable.

Not available.

TDG Classification

Not available.

IMO/IMDG

Classification

Proper Shipping Name: CHEMICALS, N.O.S.

ICAO/IATA

RQ: Not applicable.

Classification

Section 15. Regulatory Information

TSCA 8(b) inventory: Aniline Sulfate

U.S. Federal Regulations

SARA 302/304/311/312 extremely hazardous substances: No products were found.

SARA 302/304 emergency planning and notification: No products were found.

SARA 302/304/311/312 hazardous chemicals: No products were found.

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.

SARA 313 toxic chemical notification and release reporting: No products were found.

Clean Water Act (CWA) 307: No products were found.

Clean Water Act (CWA) 311: No products were found.

Clean air act (CAA) 112 accidental release prevention: No products were found.

Clean air act (CAA) 112 regulated flammable substances: No products were found.

Clean air act (CAA) 112 regulated toxic substances: No products were found.

Class D-2B: Material causing other toxic effects (TOXIC).

WHMIS (Canada)

CEPA DSL: Aniline Sulfate

This product has been classified in accordance with the hazard criteria of the Controlled Product

Regulations and the MSDS contains all required information.

International Regulations

Aniline Sulfate

208-805-0

EINECS

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R40- Limited evidence of a carcinogenic effect.

DACL (EEC)

R48/23/24/25- Toxic: danger of serious damage to health by prolonged exposure through

inhalation, in contact with skin and if swallowed.

R20/21/22- Harmful by inhalation, in contact with skin and if swallowed.

R50- Very toxic to aquatic organisms.

International Lists Australia (NICNAS): Aniline Sulfate

China: Aniline Sulfate

Japan (MITI): Aniline Sulfate

China: Aniline Sulfate

State Regulations

No products were found.

California prop. 65: No products were found.

Section 16. Other Information

National Fire

Fire Hazard

1

Protection

2 0

Association

Health

Reactivity

(U.S.A.)

Specific Hazard

Changed Since Last +

Revision

Notice to Reader

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