

Yangzhou Sunchem Co.,Ltd.

Material Safety Data Sheet

4-AMINODIPHENYLAMINE SULFATE

SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Name COLOREX 4ADS

Synonyms 4-Amidodiphenylamine sulfate, n-Phenyl-1,4-Phenylenediamine sulfate

INCI Name n-Phenyl-p-Phenylenediamine Sulfate

CAS Registry Number 4698-29-7

Product Use Hair Dye

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification: Health Environmental Physical

Acute Toxicity: Oral-Category 4 Aquatic Toxicity: None Known

Eye Corrosion: Subcategory 2B None Known

Skin Corrosion: Not known

Skin Sensitization: Potent sensitizer

Mutagenicity: No adverse effects

Carcinogenicity: Not Listed

Reproductive Toxicity: No adverse effects

Target Organ Toxicity: Not conclusive

GHS Label:

Symbols: Skull and crossbones, health hazard.

Hazard Statements: Danger Precautionary Statements

Toxic if swallowed and in contact with skin. May cause damage to cardiovascular, respiratory, nervous and gastrointestinal systems, and liver and blood through prolonged or repeated exposure.

When mixing, pouring or processing bulk amounts of powders, ground all containers and avoid static charges sparks, smoking, open flames, or other possible causes of fire or explosion.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number/EINECS Number	Weight %
N-Phenyl-p-Phenylenediamine Sulfate	4698-29-7/225-173-1	100

(See Section 8 for Exposure Limits)

SECTION 4: FIRST AID MEASURES

Eye Contact;

Flush immediately with plenty of cold water for 15 minutes, while holding eyelids apart. Get prompt medical attention.

Skin Contact;

Wash exposed skin with soap and water in abundance. Remove contaminated clothing and wash before reuse. If irritation develops, get medical attention.

Inhalation:

Remove person to fresh air. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, give artificial respiration.

Ingestion;

If swallowed, do NOT induce vomiting. Seek immediate medical attention.

SECTION 5: FIREFIGHTING MEASURES

Suitable Extinguishing Media Use Dry Chemical, Carbon Dioxide, Foam or Water Fog. In case of fire, cool endangered containers with water fog.

Fire Fighting Procedures Do not flush down sewers or other drainage systems.

Unsuitable Extinguishing Media None known

Special Protective Equipment For fires in enclosed areas, wear full protective clothing and self-contained breathing air apparatus to fight fires.

Combustion Products None known

SECTION 6: ACCIDENTAL RELEASE MEASURES

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind; keep out of low areas. (Also see Section 8).

Protective clothing should be worn for all spills and leaks. Shut off ignition sources; no flares, smoking or flames in hazard area. Small spills: take up with sand or other noncombustible absorbent material and place into containers for later disposal. Large Spills; Dike far ahead of liquid spills for later disposal.

Do not flush to sewer or waterways. Prevent release to the environment if possible.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Use adequate ventilation when transferring product from bags or drums. Wear respiratory protection if ventilation is inadequate or not available. Use respiratory, eye and skin protection when contact is expected. Use clean plastic or stainless steel scoops only. Store in a cool, clean, dry place away from point sources of heat e.g. radiant heaters or steam pipes.

OTHER PRECAUTIONS

Workers should shower and wear a fresh change of clothing after each shift. Wash all exposed areas with soap and water before eating and after handling material. In case of fire or decomposition, deluge with plenty of water to control decomposition.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Limits:

Name/ CAS number TWA STEL

4698-29-7 No Data No Data

RESPIRATORY PROTECTION Dust mask (3M # 8710 Dust & Mist Respirator) NIOSH/MSHA Approved or half/full-face respirator with an organic vapor/acid cartridge with a dust filter.

VENTILATION Local exhaust as needed to prevent dust into the work area

SKIN PROTECTION Chemical Resistant Rubber or Neoprene gloves

EYE PROTECTION NIOSH/MSHA Approved Safety glasses/Dust goggles

OTHER PROTECTIVE EQUIPMENT Impervious and disposable clothing

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State Powder

Color/Odor if any Blue to Bluish Green/little or no odor

pH N/A

Boiling Point or Range N/A

Melting Point N/A

Vapor Pressure N/A

Vapor density N/A

Solubility <1.0 mg/ml in water @20° C.

Specific Gravity N/A

Flashpoint N/A

SECTION 10: STABILITY AND REACTIVITY

STABILITY Stable under normal temperatures and pressures

CONDITIONS TO AVOID Decomposes when heated

INCOMPATIBILITY Oxidants, reducing agents, heavy metals and bases.

HAZARDOUS DECOMPOSITION Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Oral LD50 (mg/kg) Rat 1000 mg/kg (Bayer, 1957), 720 mg/kg (Monsanto, 1989)

Acute Dermal LD50 (mg/kg) No data

Signs and symptoms of Overexposure No data

Target Organ Effects Toxic by ingestion

TOXICITY EVALUATION

(NTP, IARC, OSHA, ACGIH)

Maternally toxic and fetotoxic at 100 mg/kg but not at 10 or 50 mg/kg. Not considered teratogenic.

SECTION 12: ECOLOGICAL INFORMATION

Biodegradability: No Data

Aquatic Toxicity: No Data

Bio-accumulative Potential: No Data

SECTION 13: DISPOSAL CONSIDERATION

Waste Disposal:

Dispose of in a manner consistent with federal, state, and local regulations, preferably by dissolution or mixture with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber..

RCRA D-Series Maximum Concentration of Contaminants: None listed.

RCRA D-Series Chronic Toxicity Reference Levels: None listed.

RCRA F-Series: None listed.

RCRA P-Series: None listed.

SECTION 14: TRANSPORTATION INFORMATION

Proper Shipping Name N/A

UN/NA Number N/A

Packing Group N/A

Hazard Classification N/A

DOT Shipping Name No

Air Transportation (IATA) N/A

DOT Label Required No

SECTION 15: REGULATORY INFORMATION

US FEDERAL**TSCA**

CAS# 4698-29-7 is listed on the TSCA inventory.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

SARA**Section 302 (RQ)**

None of the chemicals in this material have an RQ.

Section 302 (TPQ)

None of the chemicals in this product have a TPQ.

Section 313

No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depletion agents. This material does not contain any Class 2 Ozone depletion agents.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under

the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS#4698-29-7 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations

**European Labeling in Accordance
with EC Directives**

Hazard Symbols: Xi: Irritant

Risk Phrases: R 36/37/38: Irritating to eyes, respiratory system and skin.

Safety Phrases: S 24/25: Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

SECTION 16: ADDITIONAL INFORMATION

The information and recommendations included in this MSDS are presented in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is hereby made. The recommendations and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.