

JAY ORGANICS

Plot no.-456,Phase-II, G.I.D.C., Vatva, Ahmedabad, INDIA-382445.

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT

Product Name: 2-AMINO 6-CHLORO 4-NITRO PHENOL DRY MEDR

CAS No. : 6358-09-04

Synonym: 2-amino-6-chloro-4-nitro-pheno; 4-Nitro-6-chloro-2-aminophenol

Molecular Formula: C₆H₅C₁N₂O₃

Molecular Weight: 188.57

Product Use: Dyes Intermediates

2. COMPANY IDENTIFICATION

Company Name: Jay Organics

Contact Company: www.jayorganics.com

3. HAZARDOUS INGREDIENTS

Route(s) of Entry

Inhalation: No
Ingestion: Yes
Skin: Yes

Signs and Symptoms of Exposure

May cause sensitization by skin contact.
May produce an allergic reaction.
Can have an irritating effect on the eyes.
Repeated or long term contact can lead to skin irritations.

Carcinogenicity (NTP) : No

Carcinogenicity (IARC) : No

Carcinogenicity (OSHA) : No

4. FIRST AID MEASURE

General information

Take off all contaminated clothing immediately.

After inhalation

Move to fresh air. If symptoms persist, call a physician.

After contact with skin

Wash off with soap and water.

If skin irritation persists, call a physician.

After contact with eyes

Flush eye(s) immediately with plenty of water.

If eye irritation persists, consult a specialist.

After ingestion

Do not induce vomiting.

Clean mouth with water and drink afterwards plenty of water.

Call a physician or Poison Control Centre immediately.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media

sprayed water stream

foam

chemical fire extinguisher

carbon dioxide (CO₂)

Special exposure hazards arising from the chemical

The release of the following substances is possible in a fire:

nitrogen oxides (NO_x) ;

carbon oxides

Special protective equipment for firefighters

Wear self-contained breathing apparatus and protective suit.

Additional information

Contaminated extinguishing water and soil must be disposed of in accordance with official regulations.

6. ACCIDENTIAL RELEASE MEASURE

Personal precautions

Avoid contact with skin, eyes and clothing.

Environmental precautions

Do not flush into surface water or sanitary sewer system.

Avoid subsoil penetration.

Methods for cleaning up/taking up

Take up mechanically and collect in suitable container for disposal.

7. HANDLING & STORAGE

Handling

Advice on safe handling

Avoid contact with skin, eyes and clothing.

Advice on protection against fire and explosion

If the components are mixed in a bottle: Do not leave the mixture in the closed bottle (bottle may expand/burst)

Further information on handling

Follow the instructions

Do not use hair dyes if you have already experienced an adverse reaction to a hair colorant.

Do not use the hair dye if the scalp is sensitive or shows abrasions or scratches.

Do not use to dye eyelashes or eyebrows.

Use mixture immediately. Do not use any leftovers - Dispose of promptly..

Do not exceed the development time stated

Rinse hair well after application

Do not use when the hair has previously been coloured with metal dyes

Do not perm the hair immediately before or after dyeing the hair.

Storage

Requirements for storage rooms and vessels

Keep in a dry, cool place.

Protect from heat and direct sunlight.

Keep out of reach of children.

Further information on storage conditions

Keep at temperatures above -5 °C.

Keep at temperature not exceeding 30 °C.

8. EXPOSTURE CONTROL, PERSONAL PROTECTION

Exposure limit values

Exposure controls

Protective and hygiene measures

When using, do not eat, drink or smoke.

Wash hands before breaks and at the end of workday.

Hand protection

Wear enclosed gloves.

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance

Form : granular

Colour : yellow - orange

Odour : characteristic

Important health, safety and environmental information

Test method

Changes in the physical state

Flash point : The product is classified as non-combustible based on

its composition

Flammability

solid : non-combustible

Explosive properties

Not applicable

Oxidizing properties

Not applicable

Water solubility : completely miscible

Other information

Bulk density : 460 - 600 g/l

10. STABILITY AND REACTIVITY

Stability

Stable

Materials to avoid strong oxidising agents

Possibility of Hazardous Reactions

May occur

11. TOXICOLOGICAL INFORMATION

Acute toxicity

LD50/oral/rat = >2000 mg/kg (calculated)

Irritancy and corrosiveness

Eye irritation:

Can have an irritating effect on the eyes.

Skin irritation:

Irritation possible

Sensitising effect

2-Amino-6-Chloro-4- Nitrophenol :

May cause sensitization by skin contact.

May produce an allergic reaction.

Subacute, subchronic and prolonged toxicity

Repeated or long term contact can lead to skin irritations.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Contains substances toxic to aquatic organisms.

Persistence and degradability

Some constituents are not readily biodegradable.

13. DISPOSAL CONSIDERATION

Advice on disposal

In accordance with local and national regulations.

The bottle must be completely empty before disposal

14. TRANSPORT INFORMATION

US DOT 49 CFR 172.101

Propper Shipping Name

DOT Class: not regulated

Land transport (ADR/RID)

Remarks

Not classified as dangerous in the meaning of transport regulations.

Inland waterways transport

Marine transport

Remarks

Not classified as dangerous in the meaning of transport regulations.

Air transport

Remarks

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

The information contained herein based on the present state of our knowledge and is intended to describe our product from the point of view of safety requirements. It should not therefore, be constructed as guaranteeing specific properties.

16. OTHER INFORMATION

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Jay Organics be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Jay Organics has been advised of the possibility of such damages.