

1. Identification of the substance/preparation and of the company/undertaking**1.1 Identification of the product****Product number:** M2135**Name of material:** Methyl Red**CAS No.:** 493-52-7**1.2 Recommended use and restriction on use**

General use : for experimental, research and industrial use

Restriction on use : Never drink, Not used except for experimental, research and industrial applications.

1.3 Manufacturer / Supplier / Distributor information**Importer/distributors identification**

Company : ASIA CHEMIE (THAILAND) CO., LTD.

Address : 44/27 Moo.4 T.Huaykapi A.Muangchonburi, Chonburi, Thailand. 20130

Telephone number : +66 3838 7988

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E-mail : asiachemie@gmail.com, natchakot@asiachemie.com, natchakot@gmail.com

2. Hazards identification**2.1 GHS Classification**

Skin corrosion/irritation : Category2

Specific target organ toxicity(Single exposure) : Category3(Respiratory tract irritation)

2.2 GHS label elements**Hazard symbols**

QRëC

Signal words

- Warning

Hazard statements

- H315 Causes skin irritation

- H335 May cause respiratory irritation.

Precautionary statements

- P261 Avoid breathing dust/fume.

- P264 Wash hands thoroughly after handling.

- P271 Use only outdoors or in a well-ventilated area.

- P280 Wear protective gloves/protective clothing/eye protection/face protection.

- P302+P352 IF ON SKIN: Wash with plenty of soap and water.

- P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

- P312 Call a POISON CENTER or doctor/physician if you feel unwell.

- P321 Specific treatment

- P332+P313 If skin irritation occurs: Get medical advice/attention.

- P362 Take off contaminated clothing and wash before reuse.

- P403+P233 Store in a well-ventilated place. Keep container tightly closed.

- P405 Store locked up.

- P501 Dispose of contents/container in accordance with local/regional/national/international regulation

2.3 Other hazards which do not result in classification : (NFPA Classification)**NFPA grade (0 ~ 4 level)**

- Health : 1 , Flammability : 0, Reactivity : 0

3. Composition/information on ingredients

Chemical Name	Synonyms	CAS No.	Concentration (%)
2-(4-dimethylaminophenylazo) benzoic acid (C.I. acid red 002)	2-(4-dimethylaminophenylazo) benzoic acid	493-52-7	100

4. First aid measures

4.1 Eye contact

- Do not rub your eyes.
- Immediately flush eyes with plenty of water for at least 15 minutes and call a doctor/physician.
- Get medical attention immediately.

4.2 Skin contact

- Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
- Wash contaminated clothing thoroughly before re-using.
- Get medical attention immediately.
- Go to the hospital immediately if symptoms (flare, irritate) occur.
- Wash thoroughly after handling.

4.3 Inhalation contact

- When exposed to large amounts of steam and mist, move to fresh air.
- Take specific treatment if needed.
- Get medical attention immediately.

4.4 Ingestion contact

- Please be advised by doctor whether induction of vomit is demanded or not.
- Rinse your mouth with water immediately.
- Get medical attention immediately.

4.5 Delayed and immediate effects and also chronic effects from short and long term exposure

- Not available

4.6 Notes to physician

- Notify medical personnel of contaminated situations and have them take appropriate protective measures.

5. Fire-fighting measures

5.1 Suitable (Unsuitable) extinguishing media

- Dry chemical, carbon dioxide, regular foam extinguishing agent, spray
- Avoid use of water jet for extinguishing

5.2 Specific hazards arising from the chemical

- Not available

5.3 Special protective actions for firefighters

- Cool containers with water until well after fire is out.
- Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
- Notify your local fire station and inform the location of the fire and characteristics hazard.
- In case of conflagration, use automatic fire sprinkler. Major fire may require withdrawal, allowing the object itself to burn.
- Avoid inhalation of materials or combustion by-products.
- Keep containers cool with water spray.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Wear proper personal protective apparatus as indicated in Section 8 and avoid skin contact and inhalation.
- Must work against the wind, let the upwind people to evacuate.
- Remove all sources of ignition.
- Avoid skin contact and inhalation.

6.2 Environmental precautions

- Prevent runoff and contact with waterways, drains or sewers.
- If large amounts have been spilled, inform the relevant authorities.

6.3 Methods and materials for containment and cleaning up

- Large spill : Stay upwind and keep out of low areas. Dike for later disposal.
- Notification to central government, local government. When emissions at least of the standard amount
- Dispose of waste in accordance with local regulation.
- Appropriate container for disposal of spilled material collected.
- Small liquid state spills: Appropriate container for disposal of spilled material collected.
- Put the spilled material in an appropriate containers and clean the contaminated area.

7. Handling and storage

7.1 Precautions for safe handling

- Since emptied containers retain product residue (vapor, liquid, solid) follow all MSDS and label warnings even after container is emptied.

- Get the manual before use.
- Operators should wear antistatic footwear and clothing.

7.2 Conditions for safe storage, including any incompatibilities

- Check regularly for leaks.
- Do not apply direct heat.
- Do not apply any physical shock to container.
- Keep sealed when not in use.
- No open fire.
- Collected them in sealed containers.

8. Exposure controls/personal protection

8.1 Exposure limits

ACGIH TLV

- [2-(4-dimethylaminophenylazo)benzoic acid (C.I. acid red 002)] : Not available

OSHA PEL

- [2-(4-dimethylaminophenylazo)benzoic acid (C.I. acid red 002)] : Not applicable

8.2 Engineering controls

Business owner is recommended to maintain below recommended exposure limits for the working place with general exhaust of gas/vapour/mist/fume.

8.3 Individual protection measures, such as personal protective equipment

Respiratory protection

- Under conditions of frequent use or heavy exposure, Respiratory protection may be needed.
- Respiratory protection is ranked in order from minimum to maximum.
- Consider warning properties before use.
- Dust, mist, fume-purifying respiratory protection
- Air-purifying respirator with high-efficiency particulate filtering
- Any respiratory protection with a electromotion fan(for dust, mist, fume-purifying)
- Self-contained breathing apparatus with a corpuscle filter of high efficiency
- For Unknown Concentration or Immediately Dangerous to Life or Health : Any supplied-air respirator with full facepiece and operated in a pressure-demand or other positive-pressure mode in combination with a separate escape supply. Any self-contained breathing apparatus with a full facepiece.

Eye protection

- Wear primary eye protection such as splash resistant safety goggles with a secondary protection face shield.
- Provide an emergency eye wash station and quick drench shower in the immediate work area.

Hand protection

- Wear appropriate glove.

Skin protection

- Wear appropriate clothing

Others

- Not available

9. Physical and chemical properties

A. Appearance	
- Appearance	Solid (Other)
- Color	purple
B. Odor	Not available
C. Odor threshold	Not available
D. pH	Not available
E. Melting point/Freezing point	181 °C
F. Initial Boiling Point/Boiling Ranges	Not available
G. Flash point	Not available
H. Evaporation rate	Not available
I. Flammability (solid, gas)	Not available
J. Upper/Lower Flammability or explosive limits	Not available

K. Vapour pressure	7 mmHg
L. Solubility	3.670 ml/l
M. Vapour density	Not available
N. Specific gravity (Relative density)	Not available
O. Partition coefficient of n-octanol/water	3.83
P. Autoignition temperature	Not available
Q. Decomposition temperature	Not available
R. Viscosity	Not available
S. Molecular weight	269.31

10. Stability and reactivity

10.1 Chemical Stability

- This material is stable under recommended storage and handling conditions.

10.2 Possibility of hazardous reactions

- Hazardous Polymerization will not occur.

10.3 Conditions to avoid

- Avoid contact with incompatible materials and condition.
- Avoid : Accumulation of electrostatic charges, Heating, Flames and hot surfaces

10.4 Incompatible materials

- Not available

10.5 Hazardous decomposition products

- May emit flammable vapour if involved in fire.

11. Toxicological information

11.1 Information on the likely routes of exposure

Respiratory tracts

- May cause respiratory irritation.

Oral

- Not available

Eye · Skin

- Causes skin irritation

11.2 Delayed and immediate effects and also chronic effects from short and long term exposure

Acute toxicity

* Oral

- [2-(4-dimethylaminophenylazo)benzoic acid (C.I. acid red 002)] : Not available

* Dermal

- [2-(4-dimethylaminophenylazo)benzoic acid (C.I. acid red 002)] : Not available

* Inhalation

- [2-(4-dimethylaminophenylazo)benzoic acid (C.I. acid red 002)] : Not available

Skin corrosion/irritation

- Causes skin irritation

Serious eye damage/irritation

- Not available

Respiratory sensitization

- Not available

Skin sensitization

- Not available

Carcinogenicity

* IARC

- [2-(4-dimethylaminophenylazo)benzoic acid (C.I. acid red 002)] : Group 3

* OSHA

- [2-(4-dimethylaminophenylazo)benzoic acid (C.I. acid red 002)] : Not available

* ACGIH

- [2-(4-dimethylaminophenylazo)benzoic acid (C.I. acid red 002)] : Not available

* NTP

- [2-(4-dimethylaminophenylazo)benzoic acid (C.I. acid red 002)] : Not available

*** EU CLP**

- [2-(4-dimethylaminophenylazo)benzoic acid (C.I. acid red 002)] : Not available

Germ cell mutagenicity

- Not available

Reproductive toxicity

- Not available

STOT-single exposure

- May cause respiratory irritation.

STOT-repeated exposure

- Not available

Aspiration hazard

- Not available

12. Ecological information

12.1 Ecotoxicity

Fish

- [2-(4-dimethylaminophenylazo)benzoic acid (C.I. acid red 002)] : LC50 38.023 mg/l 96 hr (Estimate)

Crustaceans

- [2-(4-dimethylaminophenylazo)benzoic acid (C.I. acid red 002)] : LC50 46.232 mg/l 48 hr (Estimate)

Algae

- [2-(4-dimethylaminophenylazo)benzoic acid (C.I. acid red 002)] : EC50 32.114 mg/l 96 hr (Estimate)

12.2 Persistence and degradability

Persistence

- [2-(4-dimethylaminophenylazo)benzoic acid (C.I. acid red 002)] : log Kow 3.83

Degradability

- [2-(4-dimethylaminophenylazo)benzoic acid (C.I. acid red 002)] : Not available

12.3 Bioaccumulative potential

Bioaccumulative potential

- [2-(4-dimethylaminophenylazo)benzoic acid (C.I. acid red 002)] : Not available

Biodegradation

- [2-(4-dimethylaminophenylazo)benzoic acid (C.I. acid red 002)] : Not available

12.4 Mobility in soil

[2-(4-dimethylaminophenylazo)benzoic acid (C.I. acid red 002)] : Not available

12.5 Other adverse effects

Not available

13. Disposal considerations

13.1 Disposal methods

- Since more than two kinds of designated waste is mixed, it is difficult to treat separately, then can be reduction or stabilization by incineration or similar process.

- If water separation is possible, pre-process with Water separation process.

- Dispose by incineration.

13.2 Special precautions for disposal

- The user of this product must dispose by oneself or entrust it to a waste disposer, a person who recycles other's waste or establishes and operates waste disposal facilities.

- Dispose of waste in accordance with all applicable laws and regulations.

14. Transport information

14.1 UN No. (IMDG CODE/IATA DGR)

- 3077

14.2 Proper shipping name

- ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S.

14.3 Hazard Class

- 9

14.4 IMDG CODE/IATA DGR Packing group

- III

14.5 Marine pollutant

- Applicable

14.6 Special precautions for user related to transport or transportation measures

- Local transport follows in accordance with Dangerous goods Safety Management Law.
- Package and transport follow in accordance with Department of Transportation (DOT) and other regulatory agency requirements.
- EmS FIRE SCHEDULE : F-A (General fire schedule)
- EmS SPILLAGE SCHEDULE : S-F (Water-soluble marine pollutants)

15. Regulatory information**15.1 National and/or international regulatory information****POPs Management Law**

- [2-(4-dimethylaminophenylazo)benzoic acid (C.I. acid red 002)] : Not applicable

Information of EU Classification*** Classification**

- [2-(4-dimethylaminophenylazo)benzoic acid (C.I. acid red 002)] : Not applicable

U.S. Federal regulations*** OSHA PROCESS SAFETY (29CFR1910.119)**

- [2-(4-dimethylaminophenylazo)benzoic acid (C.I. acid red 002)] : Not applicable

*** CERCLA Section 103 (40CFR302.4)**

- [2-(4-dimethylaminophenylazo)benzoic acid (C.I. acid red 002)] : Not applicable

*** EPCRA Section 302 (40CFR355.30)**

- [2-(4-dimethylaminophenylazo)benzoic acid (C.I. acid red 002)] : Not applicable

*** EPCRA Section 304 (40CFR355.40)**

- [2-(4-dimethylaminophenylazo)benzoic acid (C.I. acid red 002)] : Not applicable

*** EPCRA Section 313 (40CFR372.65)**

- [2-(4-dimethylaminophenylazo)benzoic acid (C.I. acid red 002)] : Not applicable

Rotterdam Convention listed ingredients

- [2-(4-dimethylaminophenylazo)benzoic acid (C.I. acid red 002)] : Not applicable

Stockholm Convention listed ingredients

- [2-(4-dimethylaminophenylazo)benzoic acid (C.I. acid red 002)] : Not applicable

Montreal Protocol listed ingredients

- [2-(4-dimethylaminophenylazo)benzoic acid (C.I. acid red 002)] : Not applicable

16. Other information

Reason for the revision: General update.

Date: 15/06/2014

Revision #3

Date: 11/03/2020

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