

ARIHANT CHEMICAL CORPORATION & J.J ENTERPRISE

For paints / inks / plastic / Rubber industries Raw material available
with us under self import / Manufacturing / Trading.

MATERIAL SAFETY DATA SHEET

Product Name : **AURAMINE O**

Classified as hazardous

1. Identification

GHS Product Identifier AURAMINE O
Company Name ARIHANT CHEMICAL CORPORATION
Address 24/5 KRISHNA KUNJ BLDG ,BIHIND ARORA CINEMA,
MATUNGA -(CR) MUMBAI -400019
Telephone/Fax Number Tel: (022) 24146390/ 8378
09820142066 / 9029042066
Recommended use of the chemical and restrictions on use Auramine O is a diarylmethane dye used as a fluorescent stain.

Other Names

Name

AURAMINE O
 2,4,4'-(Imidocarbonyl)bis(N,N-dimethylaniline) monohydrochloride,
 C.I. 41000, Basic Yellow 2, Auramine hydrochloride, Canary
 Yellow, bis[4-(dimethylamino)phenyl]methaniminium chloride

Product Code

AL089

Chem-Supply Pty Ltd does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product before use or application intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon Chem-Supply Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product of any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of Chem-Supply Pty Ltd is limited to the replacement of supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.

2. Hazard Identification

GHS classification of the substance/mixture Carcinogenicity: Category 2
Acute Toxicity - Dermal: Category 3
Acute Toxicity - Oral: Category 4
Signal Word (s) DANGER
Hazard Statement (s) H302 Harmful if swallowed.
H311 Toxic in contact with skin.
H351 Suspected of causing cancer.
Pictogram (s) Exclamation mark, Health hazard, Skull and crossbones



Precautionary statement – Prevention P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary statement – Response P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P330 Rinse mouth.
P361 Remove/Take off immediately all contaminated clothing.
P363 Wash contaminated clothing before reuse.
Precautionary P405 Store locked up.
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statement – Storage

3. Composition/information on ingredients

Info safe No™ 3CH5O Issue Date : October 2014 RE-ISSUED by CHEMSUPP

Product Name : **AURAMINE O Stain**

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Chemical Characterization Ingredients	Solid				
	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>	<u>Hazard Symbol</u>	<u>Risk Phrase</u>
	Auramine-o	2465-27-2	100 %	T	R22, R24, R45(2)

4. First-aid measures

Inhalation	If inhaled, remove from contaminated area to fresh air immediately. Apply artificial respiration if not breathing. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.
Ingestion	Wash out mouth with water and obtain medical attention.
Skin	Wash affected areas with copious quantities of water immediately for at least 15 minutes while removing contaminated clothing and shoes. Seek medical attention if irritation develops or persists.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Seek medical attention urgently.
Advice to Doctor	Treat symptomatically and supportively.
Other Information	For advice, contact a Poisons Information Centre (Phone e.g. Australia 13 1126 New Zealand 0800 764 766) or a doctor.

5. Fire-fighting measures

Suitable extinguishing media	Alcohol resistant foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.
Hazchem Code	2X
Decomposition Temp.	250 °C

6. Accidental release measures

Personal Precautions

Personal Protection

Clean-up Methods - Small Spillages

Avoid substance contact. Avoid generation of dusts: do not inhale dusts. Ensure supply of fresh air in enclosed rooms. Wear protective clothing specified for normal operations (see Section 8)

Sweep up (avoid generating dust) and remove to a suitable, clearly labelled container for disposal in accordance with local regulations

7. Handling and storage

Precautions for Safe Handling	Wash hands and face thoroughly after working with material. Use with adequate ventilation. Avoid generation or accumulation of dusts. Avoid contact with eyes, skin and clothing. Avoid ingestion and inhalation of material. Keep container tightly closed when not in use.
Conditions for safe storage, including any incompatibilities	Keep container tightly closed. Keep in a cool, dry, well-ventilated place. Store away from incompatible substances.
Storage Regulations	Refer Australian Standard AS/NZS 4452:1997 'The storage and handling of toxic substances'.

8. Exposure controls/personal protection

Occupational exposure limit values	No exposure standards have been established for this product by Safe Work Australia, however, the TWA exposure standard for dusts not otherwise specified is 10 mg/m ³ .
Appropriate	In industrial situations maintain the concentrations values below the TWA. This may be achieved by engineering controls process modification, use of local exhaust ventilation, capturing substances at the source, or other methods.
Respiratory	Where ventilation is not adequate, respiratory protection may be required.
Avoid breathing dust, vapours or mists.	Respiratory protection should comply with AS 1716 - Respiratory Protective Devices and be selected in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. Filter capacity and respirator type depends on exposure levels. In event of emergency or planned entry into unknown concentrations a positive pressure, full-facepiece SCBA should be used. If respiratory protection is required, institute a complete respiratory protection program including selection, fit testing, training, maintenance and inspection.
Eye Protection	The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.
Hand Protection	Hand protection should comply with AS 2161, Occupational protective gloves - Selection, use and

9. Physical and chemical properties

Form Solid

Print Date: 22/10/2014

CS: 1.7.2

Appearance Yellow-green powder.

Odour Odourless

Decomposition Temperature 250 °C

Melting Point 267 °C

Solubility in Water Soluble
10 g/l at 20°C

Specific Gravity >1

Vapour Pressure Negligible

Molecular Weight 303.83

10. Stability and reactivity

Chemical Stability Stable at room temperature in closed containers under normal storage and handling conditions.

Conditions to Avoid Dust generation. Incompatibles. Excess heat.

Incompatible Materials Strong oxidising agents.

Hazardous Decomposition Products Hydrogen chloride, carbon monoxide, oxides of nitrogen, carbon dioxide

Hazardous Polymerization Has not been reported.



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11. Toxicological Information

Acute Toxicity - Oral	Mouse LD50 = 480mg/kg
Acute Toxicity - Dermal	Mouse LD50 = 300 mg/kg
Ingestion	May cause irritation of the digestive tract.
Inhalation	May cause irritation to the respiratory tract.
Skin	Toxic if absorbed through the skin. May cause skin irritation.
Eye	May cause irritation. May cause irreversible eye injury.
Carcinogenicity	Auramine (492-80-8) IARC group 2B: No data available on human carcinogenicity, however sufficient evidence of carcinogenicity in animals.
Health Hazard	Suspected Gastrointestinal or Liver Toxicant
Chronic Effects	May cause cancer according to animal studies
Mutagenicity	No evidence of mutagenic properties.

12. Ecological information

Persistence and degradability Environmental Fate

Acute Toxicity - Other Organisms

Will slowly biodegrade but not bioconcentrate.

No information available.

Terrestrial: May undergo covalent chemical bonding with humic materials which can result in its chemical alteration to a latent form and tight adsorption. When covalently bound in this latent form, leaching in soil systems is not expected to occur.

Aquatic: May undergo covalent bonding with humic materials in the water column and sediment.

13. Disposal considerations

Disposal Considerations	Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and disposed of according to relevant local, state and federal government regulations.
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14. Transport information

Transport Information	Dangerous Goods of Class 6 Toxic and Infectious Substances are incompatible in a placard load with any of the following: - Class 1, Class 3, if the Class 3 dangerous goods are nitro methane, Class 8, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids, and are incompatible with food packaging in any quantity.
U.N. Number	2811
UN proper shipping name	TOXIC SOLID, ORGANIC, N.O.S.
Transport hazard class(es)	6.1
Hazchem Code	2X
Packaging	3.8.6.1
Method Packing	III
Group EPG	6B5
Number IERG	36
Number	



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15. Regulatory information

Regulatory Information	Listed in the Australian Inventory of Chemical Substances (AICS).
Poisons Schedule	Not Scheduled

16. Other Information

Date of preparation or last revision of SDS	October 2009
Literature References	'Standard for the Uniform Scheduling of Medicines and Poisons No. 4', Commonwealth of Australia, June 2013. Lewis, Richard J. Sr. 'Hawley's Condensed Chemical Dictionary 13th. Ed.', Rev., John Wiley and Sons, Inc., NY, 1997. National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.', 2007. 'Labelling of Hazardous Workplace Chemicals, Code of Practice Safe Work Australia. Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand, 2010. Safe Work Australia, 'Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(2004)]'. Safe Work Australia, 'Hazardous Substances Information System, 2005'. Safe Work Australia, 'National Code of Practice for the Labelling of Safe Work Hazardous Substances (2011)'. Safe Work Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]'. Paul McCarthy Ph. (08) 8440 2000 DISCLAIMER STATEMENT: All information provided in this data sheet or by our technical representatives is compiled from the best knowledge available to us. However, since data, safety standards and government regulations are subject to change and the conditions of handling and use, or misuse, are beyond our control, we make no warranty either expressed or implied, with respect to the completeness or accuracy to the information contained herein. Chem-Supply accepts no responsibility whatsoever for its accuracy or for any results that may be obtained by customers from using the data and disclaims all liability for reliance on information provided in this data sheet or by our technical representatives. C17H22N3Cl
Contact Person/Point	
Empirical Formula & Structural Formula	...End Of MSDS...

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