

Date of issue: 2018/07/26 Date of revision: 2022/08/05

Safety Data Sheet

1. Identification	of the substance/mixture and of the company/undertaking
Product ident	ifier:
Product na	ame: Auramine
SDS No. : (0585E-2
Relevant iden	tified uses of the substance or mixture and uses advised against
Research a	and Development
Details of the	supplier of the safety data sheet
Manufactu	rer/Supplier: KISHIDA CHEMICAL CO., LTD.
Address: 3	−1, Honmachibashi, Chuo−ku, Osaka, JAPAN
Division: C	hemical Safety Management Department
Telephone	number: +81–6–6946–8061
FAX: +81-0	6-6946-1607
e−mail add	ress: kagakuhinanzenkanri@kishida.co.jp
2. Hazards ident	ification
	ation and label elements of the product
	of the substance or mixture
HEALTH H	
	oxicity (Oral): Category 4
	oxicity (Dermal): Category 3
	eye damage/eye irritation: Category 2A
	genicity: Category 2
	target organ toxicity - repeated exposure: Category 2(liver)
	IENT HAZARDS
	bus to the aquatic environment (Acute): Category 1
	bus to the aquatic environment (Long-term): Category 1
Label elemen	
.	
Signal word	-
	STATEMENT
	if swallowed
	contact with skin
	serious eye irritation
	ed of causing cancer
	use damage to organs through prolonged or repeated exposure(liver)
-	xic to aquatic life with long lasting effects
	IONARY STATEMENT
Prevent	
	release to the environment.
	ot breathe dust/fume/gas/mist/vapors/spray.
	contaminated parts thoroughly after handling.
Wear	protective gloves or protective clothing.
	eye protection/face protection.
Use p	personal protective equipment as required.
Do no	ot eat, drink or smoke when using this product.



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Response

Collect spillage. Get medical advice/attention if you feel unwell. IF exposed or concerned: Get medical advice/attention. IF ON SKIN: Wash with plenty of soap and water. Take off immediately all contaminated clothing and wash it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF SWALLOWED: Call a POISON CENTER/doctor/physician if you feel unwell. IF SWALLOWED: Rinse mouth. Disposal Dispose of contents/container in accordance with local/national regulation.

3. Composition/information on ingredients

Mixture/Substance selection: Substance Ingredient name:Auramine Content (%):85(min) Chemical formula:[(CH3)2NC6H4]2C:NH+HCl Chemicals No, Japan:5-1917 CAS No.:2465-27-2 MW:303.84 ECNO:219-567-2 Note : The figures shown above are not the specifications of the product.

4. First-aid measures

Descriptions of first-aid measures General measures Get medical advice/attention if you feel unwell. IF INHALED Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell. IF ON SKIN (or hair) Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF SWALLOWED

Rinse mouth.

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

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

Use appropriate extinguishing media suitable for surrounding facilities.

Unsuitable extinguishing media

Unsuitable extinguishing media data is not available.



Specific hazards arising from the substance or mixture Containers may explode when heated. Fire may produce irritating, corrosive and/or toxic gases. Advice for firefighters Specific fire-fighting measures Evacuate non-essential personnel to safe area. Special protective equipment and precautions for fire-fighters Wear fire resistant or flame retardant clothing. Wear protective gloves/protective clothing/eye protection/face protection. Firefighters should wear self-contained breathing apparatus with full face peace operated positive pressure mode. 6. Accidental release measures Personnel precautions, protective equipment and emergency procedures Ventilate area until material pick up is complete. Wear proper protective equipment. Environmental precautions Prevent spills from entering sewers, watercourses or low areas. Avoid raising dust. Methods and materials for containment and cleaning up Sweep up, place in a bag and hold for waste disposal. Preventive measures for secondary accident Collect spillage. 7. Handling and storage Precautions for safe handling Preventive measures (Exposure Control for handling personnel) Do not breathe dust/fume/gas/mist/vapors/spray. (Protective measures against fire and explosion) Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (Exhaust/ventilator) Exhaust/ventilator should be available. (Safety treatments) Avoid contact with skin. Avoid contact with eyes. Safety Measures Wear protective gloves, protective clothing or face protection. Wear eye protection/face protection. When using do not eat, drink or smoke. Any incompatibilities See "10.Stability and Reactivity" Advice on general occupational hygiene Wash contaminated parts thoroughly after handling. Do not eat, drink or smoke when using this product. Take off immediately all contaminated clothing and wash it before reuse. Storage Conditions for safe storage Keep container tightly closed. Store in a cool, dry place. Do not store in direct sunlight. Container and packaging materials for safe handling



Glass Polyethylene

8. Exposure controls/personal protection
Control parameters
Exposure controls
Appropriate engineering controls
Do not use in areas without adequate ventilation.
Eye wash station should be available.
Washing facilities should be available.
Individual protection measures
Respiratory protection.
Hand protection
Wear respiratory protection.
Hand protection
Wear protective gloves.
Eye protection

Wear eye/face protection.

9. Physical and Chemical Properties

Information on basic physical and chemical properties Physical state: Scale-like crystals or powder Color: Yellow Odor data is not available. Melting point/Freezing point: 267°C Boiling point or initial boiling point data is not available. Boiling range data is not available. Flammability (gases, liquids and solids) data is not available. Lower and upper explosion limit/flammability limit data is not available. Flash point data is not available. Auto-ignition temperature data is not available. Decomposition temperature data is not available. pH data is not available. Kinematic viscosity data is not available. Solubility: Solubility in water: Soluble n-Octanol/water partition coefficient data is not available. Vapor pressure data is not available. Density and/or relative density data is not available. Relative vapor density (Air=1) data is not available. Particle characteristics data is not available. 10. Stability and Reactivity Reactivity Not available. Chemical stability Stable under normal storage/handling conditions. Possibility of hazardous reactions Not available. Conditions to avoid

Contact with fire source.

Incompatible materials



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Not available. Hazardous decomposition products Carbon oxides, Nitrogen oxides, Chlorine

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11. Toxicological Information
  Information on toxicological effects
  Acute toxicity
     Acute toxicity (Oral)
          [GHS Cat. Japan, base data]
          (Auramine)
          rat LD50=1490mg/kg (DFGOT vol.4 1992)
     Acute toxicity (Dermal)
          [GHS Cat. Japan, base data]
          (Auramine)
          mouse LD50=300mg/kg (RTECS, 2005)
  Irritant properties
     Skin corrosion/irritation data is not available.
     Serious eye damage/irritation
          [GHS Cat. Japan, base data]
          (Auramine)
          rabbit recover within 8 days (DFGOT vol.4, 1992)
  Allergenic and sensitizing effects data is not available.
  Mutagenic effects data is not available.
  Carcinogenicity
          [GHS Cat. Japan, base data]
          (Auramine)
          cat.2; IARC Gr. 2B (IARC, 1987 et al.)
          [EU]
          (Auramine)
          Category 2; Substances suspected human carcinogens
  Reproductive toxicity data is not available.
  STOT
     STOT-single exposure data is not available.
     STOT-repeated exposure
     [cat.2]
          [GHS Cat. Japan, base data]
          (Auramine)
          liver (DFGOT vol.4, 1992)
  Aspiration hazard data is not available.
  Information on other hazards
          May cause lung disorders by massive inhalation of powdered substance.
          -e.g. fibrosis of lung tissue, cough, sputum, breath shortness, dyspnea, decline of lung
          function, interstitial lung disease, pneumothorax
12. Ecological Information
  Ecotoxicity
  Aquatic toxicity
          Very toxic to aquatic life with long lasting effects
     Hazardous to the aquatic environment (Acute)
          [GHS Cat. Japan, base data]
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Algae (Pseudokirchneriella subcapitata) ErC50=0.34mg/L/72hr (MOE Japan, 2005)



Hazardous to the aquatic environment (Long-term)

[GHS Cat. Japan, base data]
(Auramine)
Algae (Pseudokirchneriella subcapitata) NOEC=0.026mg/L/72hr (MOE Japan, 2005)

Persistence and degradability

(Auramine)
Not degrade rapidly (BOD_Degradation : 0% (RMETI existing chemical safety inspections, 1980))

Bioaccumulative potential

Bioaccumulative potential data is not available.

Mobility in soil data is not available.

Other adverse effects

Ozone depleting chemical data is not available.

13. Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging Waste treatment methods Avoid release to the environment.

Dispose of contents/container in accordance with local/national regulation.

14. Transport Information

UN No. or ID No.: 2811
UN Proper Shipping Name :
TOXIC SOLID, ORGANIC, N.O.S.
Class or division (Transport hazard class) : 6.1
Packing group : III
ERG GUIDE No.: 154
Special provisions No.: 223; 274
IMDG Code (International Maritime Dangerous Goods Regulations)
UN No.: 2811
Proper Shipping Name :
TOXIC SOLID, ORGANIC, N.O.S.
Class or division : 6.1
Packing group : III
Special provisions No.: 223; 274
IATA Dangerous Goods Regulations
UN No.: 2811
Proper Shipping Name :
TOXIC SOLID, ORGANIC, N.O.S.
Class or division : 6.1
Hazard labels : Toxic
Packing group : III
Special provisions No.: A3; A5
Environmental hazards
MARPOL Annex III – Prevention of pollution by harmful substances
Marine pollutants (yes/no) : yes
MARPOL Annex V – Prevention of pollution by garbage discharge
Hazardous to the aquatic environment – acute hazard: cat.1
Auramine
Hazardous to the aquatic environment - long-term hazard: cat.1, 2



Auramine

15. Regulatory Information Safety, health and environmental regulations/legislation specific for the substance or mixture					
				U.S. Toxic Substances Control Act (TSCA) Inventory Chemicals listed in TSCA Inventory Auramine	
Other regulatory information					
Ensure this material in compliance with federal requirements and ensure conformity to local					
regulations.					
16. Other information					
GHS classification and labelling					
Acute Tox. 4: H302 Harmful if swallowed					
Acute Tox. 3: H311 Toxic in contact with skin					
Eye Irrit. 2A: H319 Causes serious eye irritation					
Carc. 2: H351 Suspected of causing cancer					
STOT RE 2: H373 May cause damage to organs through prolonged or repeated exposure					
Aquatic Acute 1: H400 Very toxic to aquatic life					
Aquatic Chronic 1: H410 Very toxic to aquatic life with long lasting effects					
Reference Book					
Globally Harmonized System of classification and labelling of chemicals, UN					
Recommendations on the TRANSPORT OF DANGEROUS GOODS 21th edit., 2019 UN					
IMDG Code, 2018 Edition (Incorporating Amendment 39–18)					
IATA Dangerous Goods Regulations (62nd Edition) 2021					
2020 EMERGENCY RESPONSE GUIDEBOOK (US DOT)					
2022 TLVs and BEIs. (ACGIH)					
Supplier's data/information					
General Disclaimer					
This data sheet was created based on the information we currently have and may be revised					
according to new information. In addition, the precautions apply only to normal handling,					
and in the case of special handling, please make adequate countermeasure to maintain your					
safety. The determinant have in board on communit located and every interest. The normal of this					
The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The					
data does not signify any warranty with regard to the products' properties.					
The GHS classification data given here is based on current Japan official data (NITE					
published in 2020).					
published in 2020).					