

ACROS
ORGANICS

Material Safety Data Sheet

1,1'-Diethyl-2,2'-Cyanine Iodide, 99% (UV-Vis)

MSDS# 75953

Section 1 - Chemical Product and Company Identification
MSDS Name: 1,1'-Diethyl-2,2'-Cyanine Iodide, 99% (UV-Vis)
Catalog Numbers: AC407250000, AC407255000, EK1195692
Synonyms: None.

Company Identification:
Acros Organics BVBA
Janssen Pharmaceuticaan 3a
2440 Gel, Belgium

Company Identification: (USA)

For information in the US, call:

For information in Europe, call:

Emergency Number, Europe:

Emergency Number US:

CHEMTREC Phone Number, US:

CHEMTREC Phone Number, Europe:

Section 2 - Composition, Information on Ingredients

CAS#: 977-96-8

Chemical Name: Quinolium,1-ethyl-2-(1-ethyl-2(1h)-quinolinyldene)methyl,
99

EINECS#: 213-556-6

Hazard Symbols:

T



Risk Phrases:

23/24/25

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Caution! Light sensitive. The toxicological properties of this material have not been fully investigated. May cause eye and skin irritation. May cause reproductive and fetal effects. May cause respiratory and digestive tract irritation. Target Organs: Thyroid.

Potential Health Effects

Eye: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated. Chronic ingestion of iodides during pregnancy has resulted in fetal death, severe goiter, and cretinoid appearance of the newborn.

Inhalation: May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.

Chronic ingestion of iodides during pregnancy has resulted in fetal death, severe goiter, and cretinoid appearance

Chronic: of the newborn. Prolonged exposure to iodides may produce iodism in sensitive individuals. Symptoms could include skin rash, running nose and headache.

Section 4 - First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Ingestion: Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupsfuls of milk or water.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask.

Notes to Physician:

Section 5 - Fire Fighting Measures

General: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing: Use agent most appropriate to extinguish fire. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Media: Autoignition: Not applicable.
Temperature: Not applicable.

Flash Point: Not applicable.

Explosion Limits: Not available
Lower: Not available

Explosion Limits: Not available
Upper: Not available

NEPA Rating: health: 2; flammability: 0; instability: 0;

Section 6 - Accidental Release Measures

General: Use proper personal protective equipment as indicated in Section 8.

Information: Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.

Section 7 - Handling and Storage

Spills/Leaks: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate handling: ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Store protected from light.

Storage: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Store protected from light.

Section 8 - Exposure Controls, Personal Protection

Chemical Name	ACGIH	NIOSH	OSHA - PELs
Quinolium,1-ethylnone listed			
-2-(1-ethyl-2(1h)-q)			
uinolinyldene)methyl,			
yl,			

OSHA Vacated PELs: Quinolium,1-ethyl-2-(1-ethyl-2(1h)-quinolinyldene)methyl, None listed

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Section 9 - Physical and Chemical Properties

Physical State: Crystals

Color: dark red

Odor: Not available

pH: Not available

Vapor Pressure: Not available

Vapor Density: Not available

Evaporation Rate: Not available

Viscosity: Not available

Boiling Point: Not available

Freezing/Melting Point: 273 deg C (523.40°F)

Decomposition Temperature:

Solubility in water: Not available

Specific Gravity/Density:

Molecular Formula: C23H23IN2

Molecular Weight: 454.34

Section 10 - Stability and Reactivity

Stable under normal temperatures and pressures.

Incompatible materials, light, dust generation, excess heat, strong oxidants.

Incompatibilities with Other Materials

Not available

Hazardous Decomposition Products: Carbon monoxide, oxides of nitrogen, oxides of nitrogen, carbon dioxide, hydrogen iodide.

Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information

RTECS#: CAS# 977-96-8; None listed

LD50/LC50: RTECS: Not available.

Carcinogenicity: Quinolinium,1-ethyl-2-(1-ethyl-2(1h)-quinolinylidene)methyl, - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Section 12 - Ecological Information

Not available

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

US DOT: Shipping Name: Please contact Fisher Scientific for shipping information

Hazard Class:

UN Number:

Packing Group:

Canada TDG:

Shipping Name: Not available

Hazard Class:

UN Number:

Packing Group:

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: T

Risk Phrases:

R 23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

Safety Phrases:

S 28A After contact with skin, wash immediately with plenty of water.

S 37 Wear suitable gloves.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

CAS# 977-96-8; Not available

Canada

CAS# 977-96-8 is listed on Canada's DSL List

Canadian WHMIS Classifications: Not available

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

CAS# 977-96-8 is not listed on Canada's Ingredient Disclosure List.

US Federal

TSCA

CAS# 977-96-8 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date: 6/28/1999

Revision #5 Date 7/20/2009

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 the company 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 the company has been advised of the possibility of such damages.