



SAFFTY DATA SHEET

According to GHS Globally Harmonised System

ITX

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: 2-ISOPROPYLTHIOXANTHONE

CAS number: 5495-84-1

EINECS number: 226-827-9

Product code: VL-2040

Synonyms: 2-ISOPROPYL-9H-THIOXANTHEN-9-ONE

Use/description of product: Photo initiator for UV-cure

2. COMPOSITION / INFORMATION ON INGREDIENTS

Contains: 2-Isopropylthioxanthone 98+%

3. HAZARDS IDENTIFICATION

Main hazards: No significant hazard.

4. FIRST AIDS MEASURES (SYMPTOMS)

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

4. FIRST AIDS MEASURES (ACTION)

Skin contact: Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin.

Eye contact: Bathe the eye with running water for 15 minutes.

Ingestion: Wash out mouth with water. Give 1 cup of water to drink every 10 minutes. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so.

5. FIRST-FIGHTING MEASURES

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Water spray. Carbon dioxide. Dry chemical powder.

Exposure hazards: In combustion emits toxic fumes.

Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.



6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Refer to section 8 of SDS for personal protection details. Eliminate all sources of ignition.

Environmental precautions: Do not discharge into drains or rivers.

Clean-up procedures: Mix with sand or vermiculite. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

7. HANDLING AND STORAGE

Handling requirements: Ensure there is sufficient ventilation of the area. Avoid the formation or spread of dust in the air. Smoking is forbidden.

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition.

Suitable packaging: Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limits 5mg/m³ (OES)

TWA (8 hr exposure limit):

Respirable dust

TWA (8 hr exposure limit): 3mg/m³ (OES)

STEL (15 min exposure limit): 3mg/m³ (OES)

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure all engineering measures mentioned in section 7 of SDS are in place.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Boots. Ensure safety shower is to hand.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Powder

Color: Pale yellow

Solubility in water: Insoluble

Melting point/range °C: 72.0-76.0

Flash point °C: 218

Relative density: 0.79

pH: 4.5-7

10. STABILITY AND REACTIVITY



Stability: Stable under normal conditions.

Conditions to avoid: Direct sunlight. Sources of ignition.

Materials to avoid: Strong oxidising agents. Strong acids. Strong bases.

Haz. decomp. products: In combustion emits toxic fumes. In combustion emits toxic fumes of carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: 2-ISOPROPYLTHIOXANTHONE

ORL RAT LD50 >2000 mg/kg

SKN GPG not sensitising

SKN RAT LD50 >2000 mg/kg

Routes of exposure: Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

12. ECOLOGICAL INFORMATION

Mobility: Insoluble in water.

Persistence and degradability: Biodegradable.

Bioaccumulative potential: No bioaccumulation potential.

Other adverse effects: Negligible ecotoxicity.

13. DISPOSAL CONSIDERATIONS

Disposal operations: D10 incineration on land

Disposal of packaging: Arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

ADR / RID

ADR Class: Free

IMDG / IMO

Class: Free

IATA / ICAO

Class: Free

15. REGULATORY INFORMATION

Hazard symbols: No significant hazard.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or



provisions.

16. OTHER INFORMATION

Legal disclaimer: The above information is believed to be correct but do not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handing or from contact with the above product.