



## ARIHANT CHEMICAL CORPORATION & J.J ENTERPRISE

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

### Safety data sheet of Solvent Yellow 82

\* Supplier: Manufactures

**Arihant Chemical Corporation.**

24/5, Krishna kunj bldg, behind arora

:Arora cinema, opp. Sahakari bhandar

Sewari wadala road, Matunga (C.R) Mumbai- 40019.

CELLULAR:-9820142066 – 9029042066

[info@arihantchemcorp.com](mailto:info@arihantchemcorp.com) or [nilesh@arihantchemcorp.com](mailto:nilesh@arihantchemcorp.com)

#### 1. Molecular formula: C<sub>34</sub>H<sub>24</sub>CrN<sub>8</sub>O<sub>6</sub>.C<sub>13</sub>H<sub>29</sub>N.H

Chemical family: metal complex dye

Synonyms: Solvent Yellow 82

#### 2. Composition/information on ingredients

CAS Number Content (W/W) Chemical name

85029-58-9 100.0 % CI Solvent Yellow 082

100.0 % CHROMIUM COMPOUNDS

#### 3. Hazard identification

Emergency overview

CAUTION: PROLONGED OR REPEATED CONTACT MAY RESULT IN DERMATITIS.

MAY CAUSE KIDNEY DAMAGE BASED ON ANIMAL DATA.

MAY CAUSE LIVER DAMAGE BASED ON ANIMAL DATA.

HARMFUL IF SWALLOWED.

Avoid contact with the skin, eyes and clothing.

Avoid inhalation of dusts.

Use with local exhaust ventilation.

Wear a NIOSH-certified (or equivalent) particulate respirator.

Wear protective clothing.

Potential health effects

Primary routes of exposure

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry

For gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Repeated dose toxicity:

No other known chronic effects.

#### 4. First-aid measures

General advice:

Remove contaminated clothing.

If inhaled:

If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.

If on skin:

Wash thoroughly with soap and water.

If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

Seek medical attention.

If swallowed:

Rinse mouth and then drink plenty of water. Do not induce vomiting. Immediate medical attention required.

Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known

Specific antidote.

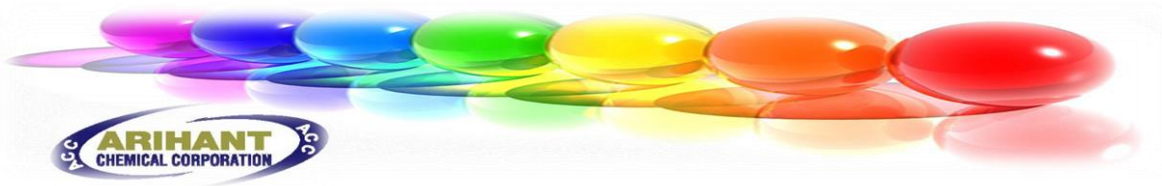
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#### **5. Fire-fighting measures**

Suitable extinguishing media:

Dry extinguishing media, foam

Unsuitable extinguishing media for safety reasons:

Carbon dioxide

Additional information:

Avoid whirling up the material/product because of the danger of dust explosion.

Hazards during fire-fighting:

Harmful vapors

Evolution of fumes/fog The substances/groups of substances mentioned can be released in case of fire.

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:

Dusty conditions may ignite explosively in the presence of an ignition source causing flash fire.

#### **6. Accidental release measures**

Personal precautions:

Avoid dust formation. Use personal protective clothing.

Environmental precautions:

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater. Safety data sheet

Cleanup:

Avoid raising dust.

For small amounts: Pick up with suitable appliance and dispose of.

For large amounts: Contain with dust binding material and dispose of.

#### **7. Handling and storage**

Handling

General advice:

Closed containers should only be opened in well-ventilated areas.

Protection against fire and explosion:

Avoid dust formation. Take precautionary measures against static discharges.

Storage

General advice:

Keep container tightly closed and dry; store in a cool place.

#### **8. Exposure controls and personal protection**

Advice on system design:

Provide local exhaust ventilation to maintain recommended P.E.L. Provide local exhaust ventilation to control Dust.

Personal protective equipment

Respiratory protection:

Wear a NIOSH-certified (or equivalent) organic vapor/particulate respirator.

Eye protection:

Tightly fitting safety goggles (chemical goggles).

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. In order to prevent contamination

While handling, closed working clothes and working gloves should be used. Wash soiled clothing

Immediately.

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#### **9. Physical and chemical properties**

Form: powder

Odour: odorless

Colour: yellow

pH value: approx. 7.0 - 7.5 ( 10 g/l, 20 °C)

Bulk density: 250 - 400 kg/m<sup>3</sup>

Solubility in water: insoluble

#### **10. Stability and reactivity**

Minimum ignition energy:

> 10 - < 30 mJ

Conditions to avoid:

Avoid humidity. Safety data sheet

No conditions known that should be avoided. Avoid all sources of ignition: heat, sparks, open flame. Avoid

Moisture Avoid electro-static charge.

Substances to avoid:

No substances known that should be avoided.

Hazardous reactions:

Dust explosion hazard.

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated

Thermal decomposition:

180 °C (DSC (DIN 51007))

No decomposition if stored and handled as prescribed/indicated.

Corrosion to metals:

No corrosive effect on metal.

#### **11. Toxicological information**

Acute toxicity

Oral:

LD50/rat: > 5,000 mg/kg

Dermal:

LD50/rat: > 2,500 mg/kg

Skin irritation:

Rabbit: non-irritant

Eye irritation:

Rabbit: non-irritant

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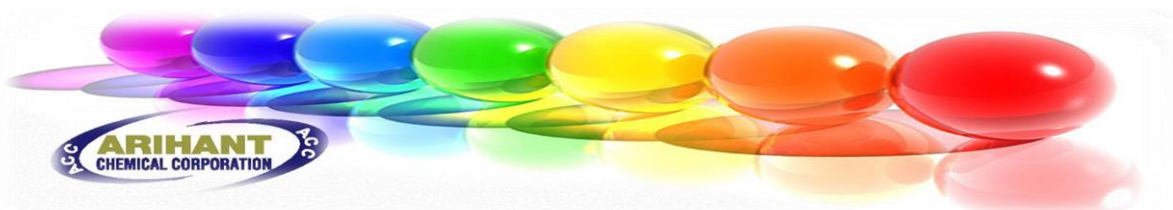
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#### **12. Ecological information**

Environmental fate and transport

Biodegradation:

Evaluation: Well eliminable from water by adsorption on activated sludge.

The product is virtually insoluble in water and can thus be separated from

Water mechanically in suitable effluent treatment plants.

Bioaccumulation:

Because of the product's consistency and low water solubility, bioavailability is improbable.

Adsorbable organically-bound halogen (AOX):

This product contains no organically-bound halogen.

Environmental toxicity Safety data sheet

Acute toxicity to aquatic invertebrates:

Daphnia magna/EC50 (48 h): 0.1 - 1 mg/l

Toxicity to microorganisms:

OECD Guideline 209 activated sludge, domestic, non-adapted/EC20 (0.5 h): > 1,000 mg/l

The value meets the highest applied test concentration.

Other ecotoxicological advice:

Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low Concentrations

#### **13. Disposal considerations**

Waste disposal of substance:

Do not discharge into drains/surface waters/groundwater.

Dispose of in accordance with national, state and local regulations.

Container disposal:

Dispose of in accordance with national, state and local regulations. Recommend crushing, puncturing or

Other means to prevent unauthorized use of used containers.

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#### **14. Transport information**

Land transport

USDOT

Hazard class: 9

Packing group: III

ID number: UN 3077

Hazard label: 9

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

(Contains C.I.SOLVENT YELLOW 82)

Sea transport

IMDG

Hazard class: 9

Packing group: III

ID number: UN 3077

Hazard label: 9

Marine pollutant: YES

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

Contains (C.I.SOLVENT YELLOW 82)

Air transport

IATA/ICAO

Hazard class: 9

Packing group: III

ID number: UN 3077

Hazard label: 9

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

Contains (C.I.SOLVENT YELLOW 82) Safety data sheet

#### **15. Regulatory information**

Federal Regulations

Registration status:

TSCA, US released / listed

TSCA, US released / listed

OSHA hazard category: OSHA PEL established, chronic target organ effects reported, ACGIH TLV Established  
100 LBS

5 LBS

SARA hazard categories (EPCRA 311/312): Chronic

SARA 313:

CAS Number Chemical name

85029-58-9 CI Solvent Yellow 082

#### **16. Other information**

HMIS III rating

Health: 1 Flammability: 1 Physical hazard: 0

HMIS uses a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the Substance possesses essentially no hazard; a rating of four indicates high hazard.

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