

Veeto Hobbies India

Plot no. 413, HSIIDC Industrial Area (Saha)
Ambala (Haryana)

Website: www.veeto.co.in, E-mail: veetohobbies@hotmail.com

MATERIAL SAFETY DATA SHEET

BASIC YELLOW - 40

SECTION 1: Identification of the substance/mixture and of the Company/

- **1.1 Product identifier**
- **Trade name :** Basic Yellow40
- **CAS Number:**
29556-33-0
- **EC number:**
249-694-9
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance/ the mixture** Used as a dye for acrylic fibres.

SECTION 2: Hazards Identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation(EC)No1272/2008**
Acute Tox. 4 H302 Harmful if swallowed.
Aquatic Chronic 3H412 Harmful to aquatic life with long lasting effects.
- **2.2 Label elements**
- **Labelling according to Regulation(EC)No1272/2008**
The substance is classified and labeled according to the CLP regulation.

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· **Hazard pictograms**

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· **Signal word** *Warning*

· **Hazard statements**

H302 Harmful if swallowed.

H412 Harmful to aquatic life with long lasting effects.

· **Precautionary statements**

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P330 Rinse mouth.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **2.3 Other hazards**

· **Results of PBT and vP vB assessment**

· **PBT:** The substance is not PBT.

· **vP vB:** Not a vP vB substance.

SECTION3: Composition/information on Ingredients

· **3.1 Chemical characterization :Substances**

· **CAS No. Description**

29556-33-02-[7-(diethylamino)-2-oxo-2H-1-benzopyran-3-yl]-1,3-dimethyl-1H-benzimidazolium chloride (Astrazon Flavine 10 GFF 300%)

· **Identification number(s)**

· **EC number:** 249-694-9

· **Additional information:**

Molecular Formula: C₂₂H₂₄CIN₃O₂ Molecular

Weight : 397.904 g/mol

C.I. No.: Basic yellow40

· **SVHC** The substance is not in the list of SVHC substances

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SECTION4:First aid measures

· **4.1Description of first aid measures**

· **General information:**

Consult a physician. Show this safety data sheet to the doctor in attendance.

If symptoms persist or in case of doubt, seek medical advice.

Immediately remove any clothing soiled by the product.

· **After inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:**

In case of contact with skin, clean with soap and water.

Remove contaminated clothing.

Get medical attention if irritation develops or persists.

· **After eye contact:**

If symptoms persist, consult doctor.

Remove contact lenses if present and easy to do.

Rinse opened eye for several minutes under running water.

· **After swallowing:** *Call for a doctor immediately.*

· **Information for doctor:** *Treat symptomatically and supportively.*

· **4.2Most important symptoms and effects, both acute and delayed**

No further relevant information available.

· **4.3Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

SECTION5: Fire Fighting Measures

· **5.1Extinguishing media**

· **Suitable extinguishing agents:**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **5.2Special hazards arising from the substance or mixture**

May produce toxic gases like carbon mono-oxide.

· **5.3 Advice for firefighters**

· **Protective equipment:**

Wear self-contained breathing apparatus.

Wear fully protective suit.

SECTION6:Accidental Release Measures

- **6.1Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Avoid contact with skin, eyes and clothing. Do not breathe dust.
Wear protective equipment. Keep unprotected person away.
- **6.2Environmental precautions:**
If t he product contaminates rivers and lakes or drains inform respective authorities.
Do not allow product to reach sewage system or any water course.
- **6.3Methods and material for containment and cleaning up:**
Sweepers coop up the spilled material into a container for disposal. Close the container tightly.
Clean by water.
- **6.4Reference to other sections**
Refer to section 8 and13 for additional information on personal protection equipment and disposal methods.

SECTION7:Handling and Storage

- **7.1Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Avoid contact with eyes, skin and clothing.
- **Information about fire –and explosion protection:**
Keep ignition sources away-Do not smoke.
- **7.2Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by store rooms and receptacles:**
Store in ambient temperature and dry place and well-ventilated area away from incompatible substances.
- **Information about storage in one common storage facility:**
Store away from oxidising agents.
Store away from reducing agents.
- **Further information about storage conditions:** *Keep container tightly sealed.*
- **7.3 Specific endues (s):***Used as a dye for acrylic fibers.*

SECTION8:Exposure controls/Personal protection

- **8.1Control parameters**
- **Additional information about design of technical facilities:** *No further data; see item7.*

- **Ingredients with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists valid during the making were used as basis.

- **8.2Exposure controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Do not eat, drink, smoke or sniff while working.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

The usual precautionary measures are to be adhered to when handling chemicals.

- **Respiratory protection:** Use breathing protection with high concentration.

- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**



Tightly sealed goggles

Safety glasses

Face shield.

- **Body protection:**

Protective work clothing

Cotton Apron, gumboots

SECTION9: Physical and Chemical Properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance	Solid
· Form	Powder
· Colour	Yellow to Greenish Yellow
· Odour	Characteristic

· Change in condition

Melting point/freezing point Not determined

Initial boiling point and boiling range Not determined

· **Flash point** Not applicable.

· **Flammability(solid, gas)** Product is not flammable.

· **Explosive properties** Product does not present an explosion hazard.

· **Vapour pressure at 25°C** 0Pa

· **Bulk Density** 0.50–0.7gm/cc(After Tapping). Not determined.

· **Relative density**

· **Solubility in/Miscibility with water**

14.1g/L

· **Partition coefficient: n-octanol/ water at 25 °C**

1.63logPOW

· 9.2 Other Information

The particle size distribution of test item 2-[7-(diethyl amino)-2-oxo-2H-1-benzopyran-3-yl]-1,3-dimethyl-1H-benzimidazolium chloride (CAS No. 29556-33-0) was determined by granulometric analysis with rotap sieve shaker. The particle size distribution was found to be in the range of 150 micron to 10 micron.

SECTION10: Stability and Reactivity

· **10.1 Reactivity** No further relevant information available.

· **10.2 Chemical stability** Stable at ambient temperature and under normal conditions of use.

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· **Thermal decomposition/conditions to be avoided:**

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No decomposition if used according to specifications.

· **10.3 Possibility of hazardous reactions**

No dangerous reaction known under conditions of normal use.

· **10.4 Conditions to avoid**

Avoid contact with incompatible materials.

Keep away from heat, sparks and flame.

· **10.5 Incompatible materials:** Strong oxidizing agents

· **10.6 Hazardous decomposition products:** May produce oxides of carbon and nitrogen.

SECTION 11: Toxicological Information

· **11.1 Information on toxicological effects**

· **Acute toxicity**

Harmful if swallowed.

· **LD/LC50 values relevant for classification:**

Oral	LD50	1922 mg/kgbw (rat (Wistar) female)
Dermal	LD50	4600 mg/kgbw (Rabbit (New Zealand White) male/female)

· **Primary irritant effect:**

· **Skin corrosion/irritation** : Test chemical was reported to be not irritating to skin.

· **Serious eye damage/irritation** Test chemical was reported to be not irritating to eyes.

· **Respiratory or skin sensitization** Test chemical was reported to be not skin sensitizing.

· **Additional toxicological information:**

· **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

· **Germcell mutagenicity** Based on available data, the classification criteria are not met.

· **Carcinogenicity** No data available

· **Reproductive toxicity** Based on available data, the classification criteria are not met.

· **STOT-single exposure** Based on available data, the classification criteria are not met.

· **STOT-repeated exposure** Based on available data, the classification criteria are not met.

· **Aspiration hazard** No data available

SECTION 12: Ecological Information

· **12.1 Toxicity**

· **Aquatic toxicity:**

48hr EC50	25.633 mg/l (Daphnia magna)
72hr EC50	85.831 mg/l (Chlorella vulgaris) (OECD TG 201)
96hr LC50	>100 mg/L (Danio rerio) (OECD TG 203)

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· **12.2 Persistence and Degradability**

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The test chemical 2-[7-(diethylamino)-2-oxo-2H-1-benzopyran-3-yl]-1,3-dimethyl-1H-benzimidazolium chloride (CAS No.29556-33-0) undergoes 40.6 % biodegradation after 42 days in the test condition. Thus, the test chemical was considered to be inherently biodegradable in nature.

· **12.3 Bio accumulative potential** The substance is non-bio accumulative.

· **12.4 Mobility in soil**

The Adsorption Coefficient of test substance 2-[7-(diethylamino)-2-oxo-2H-1-benzopyran-3-yl]-1,3-dimethyl-1Hbenzimidazolium chloride (CAS No. 29556-33-0) was determined as per the HPLC method. The Log Koc value obtained was 2.7434 dimensionless at 25°C. Based on the value of log Koc it is concluded that this test chemical has moderate sorption to soil and sediments and therefore has slow migration potential to ground water.

· **Additional ecological information:**

· **General notes:**

Water hazard class 1 (Assessment by list): slightly hazardous for water

Do not allow product to reach ground water, water course or sewage system

· **12.5 Results of PBT and vPvB assessment**

· **PBT:** The substance is not PBT

· **vPvB:** Not a vPvB substance

· **12.6 Other adverse effects** No further relevant information available

SECTION 13: Disposal Considerations

· **13.1 Waste treatment methods**

· **Recommendation**

Do not let product enter drains

Dispose of waste material according to local, state and federal regulations.

Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

· **Waste disposal key:**

Waste must be disposed of in accordance with federal, state and local environmental control regulations

· **Un cleaned packaging:**

· **Recommendation:**

Dispose of as un used product.

Disposal must be made according to official regulations.

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SECTION 14:Transport Information

· 14.1UN-Number · ADR,IMDG, IATA	<i>Not regulated</i>
· 14.2 UN proper shipping name · ADR,IMDG, IATA	<i>Not regulated</i>
· 14.3Transport hazard class(es) · ADR,ADN,IMDG,IATA · Class	<i>Not regulated</i>
· 14.4Packing group · ADR,IMDG, IATA	<i>Not regulated</i>
· 14.5 Environmental hazards · Marine pollutant	<i>No</i>
· 14.6Special precautions for user	<i>Not applicable</i>
· 14.7 Transporting bulk according to Annex II of Marpol and the IBC Code	<i>Not applicable</i>
· UN" Model Regulation"	<i>Not regulated</i>

SECTION15:Regulatory Information

- **15.1Safety,health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation(EC)No1272/2008**
The substance is classified and labeled according to the CLP regulation.
- **Hazard pictograms**



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- **Signal word** *Warning*
- **Hazard statements**
H302 Harmful if swallowed
H412Harmful to aquatic life with long lasting effects
- **Precautionary statements**
P264 Wash thoroughly after handling
P270 Do not eat, drink or smoke when using this product

P27 Avoid release to the

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P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. P330 Rinse mouth.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **National regulations:**
- **Other regulations, limitations and prohibitive regulations**
User to follow national laws and regulations.
- **Substances of very high concern(SVHC)accordingtoREACH,Article57**
The substance is not listed as SVHC.
- **15.2 Chemical safety assessment:**
A Chemical Safety Assessment as not been carried out.

SECTION16:Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:** Product safety department.
- **Contact:**
- Mr. Vijay Mehra
- Mob: 7027002328/29/75
- veetohobbies@hotmail.com

- **Sources**

REGULATION(EC)No1272/2008OFTHEEUROPEANPARLIAMENTANDOF THE COUNCIL on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No.

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