

Veeto Hobbies India

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MATERIAL SAFETY DATA SHEET

Solvent Yellow 172

SECTION 1: Identification of the substance/mixture and of the company/undertaking		
1.1	Product Identifier	
	Chemical Name	2-[7-(diethylamino)-2-oxo-2H-1-benzopyran-3-yl]benzoxazole-5-sulphonamide (Trade Name: Solvent Yellow 172)
	CAS Number:	68427-35-0
	EC number	270-393-3
	Pre-Registration number	NA
1.2	Relevant identified uses of the substance or mixture and uses advised against	
	Relevant identified Uses of the substance	Used in manufacture of food colors, dyes, cosmetic colors, pharmaceutical color, writing inks and fluorescent color.
	Uses advised against (where applicable)	No further relevant information available
SECTION 2: Hazards identification		
2.1	Classification of the substance	
	Classification according to Regulation (EC) No : 1272/2008 i.e. CLP regulation	<ul style="list-style-type: none">▪ Aquatic Chronic 3 (Registered Classification)
2.2	Label elements	
	Labeling according to Regulation(EC)No 1272/2008	Hazard pictograms: Not applicable

	Signal word	Not applicable
	Hazard statements	H412: Harmful to aquatic life with long lasting effects.
	Precautionary statements	P273: Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection (as a good practice). P391: Collect spillage. P501: Dispose of contents/container to an approved waste disposal plant in accordance with local/regional/national /international regulations.
2.3	Other hazards : No further information	
	PBT:	There are currently no data that would indicate that the substance possesses PBT properties.
	vPvB:	There are currently no data that would indicate that the substance possesses vPvB properties.
	SVHC	The substance is not listed as SVHC
SECTION 3: Composition/information on ingredients		
3.1	Chemical characterization:	
	CAS No.	68427-35-0
	Description	2-[7-(diethylamino)-2-oxo-2H-1-benzopyran-3-yl]benzoxazole-5-sulphonamide
	Identification number(s)	EC number: 270-393-3
	Additional information:	% Purity : Min. 99% (Trade Name: Solvent Yellow 172)
SECTION 4: First aid measures		
4.1	Description of first aid measures	
	General information:	Immediately remove any clothing soiled by the product. Show this safety data sheet to the doctor in attendance.
	After inhalation:	If chemical is inhaled, move person into fresh air. Keep at rest. If not breathing, give artificial respiration. Keep under medical surveillance. In case of problems: Hospitalize.
	After skin contact:	Remove any contaminated clothing. Wash skin with soap and water for at least 15 minutes. Get medical attention if irritation develops or persists. Wash clothing before reuse.
	After eye contact:	Rinse thoroughly with plenty of water for at least 15 minutes, occasionally lifting upper and lower eyelids.
	After swallowing:	Rinse mouth with water immediately (only if the person is conscious). Seek medical advice. Do not induce vomiting.
4.2	Most important symptoms and effects, both acute and delayed	No further relevant information
	Information for doctor:	Treat symptomatically and supportively.
4.3	Indication of any	Follow instructions given in section 4.1 in case of skin and eye contact.

	immediate medical attention and special treatment needed	
SECTION 5: Firefighting measures		
5.1	Extinguishing media	
	Suitable extinguishing media:	Use fire extinguishing methods suitable to surrounding conditions. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
	Unsuitable extinguishing media:	No relevant information available
5.2	Special hazards arising from the substance	Emits toxic fumes of carbon monoxide and carbon dioxide under fire conditions.
5.3	Advice for firefighters	
	Protective equipment:	No special measures recommended
	Additional information	No further relevant information
SECTION 6: Accidental release measures		
6.1	Personal precautions, protective equipment and emergency procedures	For non-emergency personnel: Wear a NIOSH approved dust respirator with all protective clothing and equipment. Contain and clean up spill immediately. For emergency responders: Do not touch the spilled material.
6.2	Environmental precautions:	Do not allow product to reach sewage system, drains or any water course. Do not allow to penetrate the ground/soil.
6.3	Methods and material for containment and cleaning up	Sweep powders carefully, using an absorbent (sweeping compound). To keep minimise dust generation, scoop material and absorbent into disposal drums and seal tight.
6.4	Reference to other sections	See Section 8 for information on personal protection equipment. See Section 13 for disposal information.
SECTION 7: Handling and storage		
7.1	Precautions for safe handling	Handle the product away from moisture. Avoid handling the product in excessive heat. Avoid dust formation. Take precautionary measures against static discharge.
	Information about fire- and explosion protection:	Keep ignition sources away –Do not smoke. Keep away from combustible material. Protect against electrostatic charges.
7.2	Conditions for safe storage, including any incompatibilities	

	Storage:	
	Requirements to be met by storerooms and receptacles:	Store in original or similar waterproof containers. Reseal containers after each use.
	Information about storage in one common storage facility:	Store away from incompatible materials such as strong acids, alkali or oxidizing agents.
	Further information about storage conditions:	Store in a cool dry place away from moisture and away from sunlight. Always store under low relative humidity.
7.3	Specific end use(s)	Used in manufacture of food colors, dyes, cosmetic colors, pharmaceutical color, writing ink and fluorescent color.
SECTION 8: Exposure controls/personal protection		
	Additional information about design of technical facilities:	Ensure that eyewash station is proximal to the work-station location.
8.1	Control parameters	
	Ingredients with limit values that require monitoring at the workplace:	Not required
8.2	Exposure controls	
	General protective and hygienic measures:	Adhere to standard industrial practices when handling this substance.
	Respiratory protection:	Not required. However, as a good practice, suitable respiratory protective device recommended.
	Protection of hands:	Not required. However, as a good practice, suitable gloves recommended.
	Material of gloves	Normal industrial PVC or other suitable protective gloves
	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:	As a good practice, Tightly sealed goggles
	Body protection:	As a good practice, use impervious clothing, apron ,boots
SECTION 9: Physical and Chemical properties		
9.1	Information on basic physical and chemical properties	
	Form:	Solid
	Colour:	Yellowish orange powder

	Odour:	Characteristic
	pH	6.6 at 28.5 °C (1% w/v solution)
	Melting point	263.11 °C at 101 325 Pa
	Boiling point:	608.13 °C at 101 325 Pa
	Flashpoint:	Not applicable because the flash point is only relevant to liquids and low melting point solids
	Flammability	Not classified
	Auto ignition temperature	Not auto flammable
	Danger of explosion:	Not applicable because there are no chemical groups present in the molecule which are associated with explosive properties
	Oxidizing properties	Not applicable since there are no chemical groups present in the molecule which are associated with oxidising properties
	Vapour pressure:	1.49E-011 Pa at 25 °C (Modified Grain method).
	Density at 20 °C:	1.48 g/cm ³
	Solubility in/Miscibility with Water at 20 °C:	0.006 mg/L
	Partition coefficient(n-octanol/water) at 35°C:	Log Pow = 2.2
	Viscosity	Not applicable
9.2	Other information	Particle size distribution (Granulometry): The particle size was determined to be 4.63 µm.
SECTION 10: Stability and reactivity		
10.1	Reactivity	Reacts with oxidising agents, strong alkalis.
10.2	Chemical stability – Thermal decomposition/conditions to be avoided:	Stable under normal conditions of use and recommended storage conditions. Thermal decomposition: Avoid dust formation. Keep away from excessive heat.
10.3	Possibility of hazardous reactions	Not anticipated if storage under normal conditions
10.4	Conditions to avoid	Heat, open flames, sparks and other sources of ignition.
10.5	Incompatible materials:	Strong oxidizing agents, strong acids and alkalis
10.6	Hazardous decomposition products:	carbon monoxide and carbon dioxide, nitrogen oxides (NOx) & sulphur containing chemicals,
SECTION 11: Toxicological information		

11.1	Information on toxicological effects		
	Acute toxicity: LD/LC50 values relevant for classification:		
	Oral	LD50	> 2000 mg/kg bw (female rat)
	Inhalation	LC50 (6 hours)	No data
	Dermal	LD50	>2000 mg/kg bw (by dermal application over the clipped dorsal area of rat skin.)
	skin corrosion/irritation	not corrosive in the in vitro skin corrosion test.	
	serious eye damage/irritation	Not irritating to the eye using the Bovine Corneal Opacity and Permeability test (BCOP test).	
	Sensitization:	The test material was not considered to be a skin sensitiser.	
	Germ cell mutagenicity	Not mutagenic in the Escherichia coli reverse mutation assay.	
	Carcinogenicity	Not listed as a carcinogen by IARC or CA Prop 65	
	Reproductive toxicity	No Observed Adverse Effect Level (NOAEL) is considered 1000 mg/kg body weight when Wistar male and female rats were orally fed the test item by gavage for Approx 63 days.	
	Developmental toxicity	NOAEL is considered 1000 mg/kg body weight	
	Repeated exposure (Oral)	NOAEL is considered 1000 mg/kg body weight	
	Aspiration hazard.	No available data	
SECTION 12: Ecological information			
12.1	Toxicity		
	Aquatic toxicity:	LC50 (96 hrs) Fish	50 mg/L (Danio rerio) From analogue chemical
		EC50 (24 hrs) Invertebrate	85.94 mg/L (Daphnia magna) ECOSAR v1.1 (2012)
		EC50 (72 hrs) Green algae	2.918 mg/L (ECOSAR v1.1 (2012))
12.2	Persistence and degradability	Under test conditions no biodegradation observed BIOWIN v4.10 (2010)	
12.3	Bio-accumulative potential	The bioconcentration factor (BCF value) of substance 2-(3-diethylamino-6-diethylazaniumylidene-xanthen-9-yl)-5-sulfo-benzenesulfonate on Cyprinus carpio was determined to be ≤ 0.57 L/Kg at a conc. of 1.69 mg/l and ≤ 5.3 L/Kg at a conc. of 0.169 mg/l, respectively. Based on this, the chemical is not expected to bioaccumulate in the food chain.	
12.4	Mobility in soil	Soil adsorption co-efficient Log Koc = 4.01)	
	Additional ecological	Do not allow product to reach ground water, water course or sewage system.	

	information: General notes:	
12.5	Results of PBT and vPvB assessment	
	PBT	There are currently no data that would indicate that the substance possesses PBT properties.
	vPvB	There are currently no data that would indicate that the substance possesses vPvB properties.
12.6	Other adverse effects	No further relevant information available.
SECTION 13: Disposal considerations		
13.1	Waste treatment methods	
	Recommendation	The generation of waste should be avoided or minimized wherever possible. Smaller quantities can be disposed of with general waste. Large quantity waste should be incinerated according to applicable local, state and federal regulations.
	Un-cleaned packaging:	
	Contaminated packaging	Empty containers must be decontaminated before returning for recycling
	Recommendation:	Do not release into the environment. Destroy packaging by incineration at an approved waste disposal site in accordance with local and national regulations.
SECTION 14: Transport information		
14.1	UN-Number ADR,IMDG,IATA	Not applicable
14.2	UN proper shipping name ADR IMDG,IATA	Not applicable
14.3	Transport hazard class(es) ADR, IMDG, IATA	Not applicable
14.4	Packing group ADR,IMDG,IATA	Not applicable
14.5	Environmental hazards:	Marine Pollutant: No
14.6	Special precautions for user	Follow good chemical handling practice
14.7	Transport in bulk according to Annex II of MARPOL73 /78 and the IBC	Not applicable.

	Code	
	Transport: Additional Information	
	Transport category Tunnel restriction code	Not applicable None
	UN "Model Regulation"	Not applicable
SECTION 15: Regulatory information		
15.1	Safety, health and environmental regulations/legislations specific for the substance or mixture	
	Labeling according to Regulation (EC) No 1272/2008	
	Hazard pictograms	Please refer section 2
	Signal word	Please refer section 2
	Hazard-determining components of labelling:	Please refer section 2
	Hazard statements	Please refer section 2
	Precautionary statements	Please refer section 2
	National regulations:	
	International Inventories	<ul style="list-style-type: none"> • Canada : Canada's DSL List: Listed • US Federal (TSCA Inventory) : Listed • US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): substance - Not listed. • China: Inventory of Existing Chemical Substances in China (IECSC) – Listed • Japan: Inventory of Existing and New Chemical Substances (ENCS) – Listed • Korea: Existing Chemicals List (ECL) – Listed • New Zealand: New Zealand Inventory – Listed • Philippines: Philippine Inventory of Chemicals and Chemical Substances (PICCS) – Listed
	Substances of very high concern (SVHC) according to REACH, Article 57	The substance is not listed as SVHC
15.2	Chemical safety assessment:	A chemical safety assessment has not been carried out.
SECTION 16: Other information		
	Department issuing MSDS	Product safety department.
	Contact:	Mr. Vijay Mehra Email: veetohobbies@hotmail.com Mob: 7027002328/29/75
16 (a).	Data compared to the previous	Section 2: Hazards identification Section 3: Composition / Information on Ingredients

	version altered.	<p>Section 4: First-aid measures</p> <p>Section 5: Fire-fighting measures</p> <p>Section 6: Accidental Release measures</p> <p>Section 7: Handling and storage.</p> <p>Section 8: Exposure Controls/Personal protection</p> <p>Section 9: Physical and Chemical properties.</p> <p>Section 10: Stability and Reactivity.</p> <p>Section 11: Toxicological Information.</p> <p>Section 12: Ecological Information.</p> <p>Section 13: Disposal Considerations</p> <p>Section 15: Regulatory Information</p> <p>Section 16: Other Information</p>
16 (b).	Abbreviations and acronyms:	<ul style="list-style-type: none"> • RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) • IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA) ICAO: International Civil Aviation Organization • ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO) • ADR: Accord européensur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) • IMDG: International Maritime Code for Dangerous Goods • IATA: International Air Transport Association • GHS: Globally Harmonized System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society)
16 (c).	Sources	<ul style="list-style-type: none"> • REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on classification, labelling and packaging of substances and mixtures • REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC • https://echa.europa.eu/registration-dossier/-/registered-dossier/16911/9 • https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/84809 • https://chem.nlm.nih.gov/chemidplus/rn/68427-35-0 • http://apciss.cirs-group.com/

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