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 RED 1:1

SECTION 1: Identification of the substance/mixture and of the Company/Undertaking		
1.1	**Product Identifier**	
	Name of Substance	3,6-bis(ethylamino)-9-[2-(methoxycarbonyl)phenyl]-2,7-dimethylxanthylium chloride (Trade Name: Basic Red 1:1)
	CAS Number	3068-39-1
	EC number	221-326-1
	REACH Registration Number	Not Applicable
	Nano form Confirmation	No available data
	UFI (Unique Formula Identifier)	Not applicable to substance
1.2	**Relevant identified uses of the substance or mixture and uses advised against**	
	Relevant identified Uses of the mixture	Used as dye and color additive in paper, wool, cotton, wood, plastic, textile and leather industry. Used for seed marking. Used in inks and toners.
	Uses advised against (Where applicable)	No other use than those mentioned above.
SECTION 2: Hazards Identification		
2.1	**Classification of the Mixture**	
	Classification according to Regulation (EC) No: 1272/2008 i.e. CLP Regulation	▪ Acute Tox. 4 (Oral) ▪ Acute Tox. 2 (Inh) ▪ Eye Dam. 1 ▪ Skin Sens. 1B ▪ Aquatic acute 1 ▪ Aquatic chronic 1

2.2	**Label elements: Labeling according to Regulation (EC) No 1272/2008 (CLP regulation)**	
	Hazard pictograms	 **GHS06**  **GHS05**  **GHS09**
	Signal word	**Danger**
	Hazard statements	H302: Harmful if swallowed. H330: Fatal if inhaled. H318: Causes serious eye damage. H317: May cause an allergic skin reaction. H410: Very toxic to aquatic life with long lasting effects. H400: Very toxic to aquatic life.
	Precautionary statements	P270: Do not eat, drink or smoke when using this product P280: Wear protective gloves/protective clothing/eye protection/face protection. P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor. P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P302 + P352: IF ON SKIN: Wash with plenty of water and soap. P405: Store locked up. P501: Dispose of contents/container to an approved waste disposal plant in accordance with local/regional/national /international regulations.
2.3	**Other hazards: Results of PBT and vPvB assessment**	
	No possibility of dust explosion hazard	
	PBT:	No available data
	vPvB:	No available data
	Endocrine disrupting property	No available data
SECTION 3: Composition/information on ingredients		
3.1	**Chemical characterization: Substance** ▪ CAS No. 3068-39-1 ▪ EC No: 221-326-1	

- Chemical Name: 3,6-bis(ethylamino)-9-[2-(methoxycarbonyl)phenyl]-2,7-dimethylxanthylium chloride(Trade Name: Basic Red 1:1)
- % Purity: 98 to 99% (Solid content)

Ingredient nano particle characteristics as per Annex VI of regulation: No available data

SECTION 4: First Aid Measures		
4.1	**Description of first aid measures**	
	General information:	Immediately remove any clothing soiled by the product. In case of irregular breathing or respiratory arrest provide artificial respiration.Seek medical treatment.
	After inhalation:	Remove to fresh air. Encourage patient to blow nose to ensure clear passage of breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
	After skin contact:	Immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation.
	After eye contact:	Rinse opened eye for several minutes under running water. Then consult a doctor. Wash out immediately with fresh running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. If pain persists or recurs seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
	After swallowing:	Rinse out mouth and then drink plenty of water. Do not induce vomiting; call for medical help immediately.
4.2	**Most important symptoms and effect, both acute and delayed**	Harmful if swallowed, fatal if inhaled, causes serious eye damage and causes skin sensitization.
	Information for doctor:	▪ Treat symptomatically and supportively. ▪ No known specific antidote.
4.3	**Indication of any immediate medical attention and special treatment needed**	Follow all the instructions mentioned in section 4.1.
SECTION 5*: Firefighting measures*		
5.1	**Extinguishing media**	
	Suitable extinguishing media:	▪ Water spray or jet ▪ Foam. ▪ Dry chemical powder. ▪ Carbon dioxide
	Unsuitable extinguishing media:	Do not use strong oxidizers as extinguishing media, acids and alkali.

5.2	**Special hazards arising from the substance**	In case of fire, the following can be released: Carbon monoxide (CO) Carbon dioxide (CO2) Oxides of nitrogen (NOx)
5.3	**Advice for fire fighters**	
	Protective equipment:	▪ Do not inhale explosion gases or combustion gases. ▪ Wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (Mine Safety and Health Administration / National Institute for Occupational Safety and Health) (approved or equivalent), and full protective gear.
	Additional information	▪ Cool containers with flooding quantities of water for some time even after the fire is out ▪ Cool endangered receptacles with water spray. ▪ Collect contaminated firefighting water separately. It must not enter the sewage system.
SECTION 6: Accidental release measures		
6.1	**Personal precautions, protective equipment and emergency procedures**	▪ Remove sources of ignition. ▪ Use appropriate respiratory protection. ▪ Wear protective clothing, gloves and eye protection and face. ▪ Prevent access to the affected area of animals and / or unauthorized persons ▪ Keep unprotected persons away. ▪ Use respiratory protective device against the effects of fumes/dust/aerosol.
6.2	**Environmental precautions**	▪ Do not allow product to reach sewage system or any water course. ▪ Inform respective authorities in case of seepage into water course or sewage system. ▪ Do not allow to enter sewers/ surface or ground water.
6.3	**Methods and material for containment and cleaning up**	▪ Dispose contaminated material as waste according to item 13.
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**	Store in cool, dry place in tightly closed receptacles. Keep away from heat and direct sunlight. Ensure good ventilation/exhaustion at the workplace.
	Information about fire- and explosion protection:	Store away from Open flames, sparks, electrical equipment and fittings. Protect against electrostatic charges. Keep ignition sources away - Do not smoke.

7.2	**Conditions for safe storage, including any incompatibilities**	
	Storage:	
	Requirements to be met by store rooms and receptacles:	▪ Store away from oxidizing agents. ▪ Store in a cool location. ▪ Store only in the original receptacle.
	Information about storage in one common storage facility:	▪ Do not store together with reducing agents, heavy-metal compounds, acids and alkalis.
	Further information about storage conditions:	▪ Store in cool, dry conditions in well-sealed receptacles. ▪ Store in a cool place.
7.3	**Specific end use(s)**	Used as dye and color additive in paper, wool, cotton, wood, plastic, textile and leather industry. Used in seeds marking. Used in inks and toners Pl. include uses as reported in section 1.2
SECTION 8: Exposure controls/personal protection		
	Additional information about design of technical facilities:	Safety shower and eye bath in close proximity to work areas. Local exhaust ventilation required.
8.1	**Control parameters**	
	Ingredients with limit values that require monitoring at the workplace:	No available data
	PNEC and DNEL Values	**PNEC: Not available**

Environmental protection target	PNEC
Fresh water	
Freshwater sediments	
Marine water	
Marine sediments	
Food chain	
Microorganisms in sewage treatment	
Soil (agricultural)	
Air	

DNEL: Not available

	Worker				**General population**			
Route of exposure	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects

		Oral								
		Inhalation								
		Dermal								

8.2	**Exposure controls**	
	General protective and hygienic measures	Immediately remove all soiled and contaminated clothing Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work Avoid contact with the eyes and skin. Store protective clothing separately.
	Respiratory protection	In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device. Use Particulate respirator in dusty conditions
	Protection of hands	Protective gloves The glove material has to be impermeable and resistant to the product. Selection of the glove material depends on consideration of the penetration times, rates of diffusion and the degradation.
	Material of gloves	Solvent-resistant gloves. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.
	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. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
	Eye protection	Tightly sealed goggles
	Body protection	Overalls. P.V.C. apron. Barrier cream. Skin cleansing cream. Wear safety footwear or safety gumboots
SECTION 9: Physical and Chemical Properties		
9.1	**Information on basic physical and chemical properties**	
	Physical state	Solid, Powder
	Colour	Brown Red
	Odour	Odourless
	Melting point/ freezing point	315^{o}C at 101 325 Pa
	Boiling point/ Boiling range:	Not applicable for solid
	Flammability	Not Flammable
	Lower and upper explosion limit	Product is not explosive

	Flash point:	>330°C at 967 hPa
	Auto ignition temperature	Not auto flammable
	Decomposition temperature	No available data
	pH	4-8 (1% w/v solution)
	Kinematic viscosity	Not applicable
	Solubility in/ Miscibility with Water at 20 °C:	18.9 g/L
	Partition coefficient (n-octanol/ water) at 25 °C:	Log Pow = 1.7 at 20°C
	Vapour pressure:	Not applicable
	Density at 20 °C:	1.27 (Relative density)
	Evaporation rate	Not applicable
	Oxidizing properties	Not oxidizing
	Nano Particle characteristics	No available data
9.2	**Other Information**	
9.2.1	Information regarding physical hazard classes	No available data
9.2.2	Other safety characteristics	No further relevant information
SECTION 10: Stability and Reactivity		
10.1	**Reactivity**	Heat, incompatible materials
10.2	**Chemical stability**	Stable under recommended storage conditions. Thermal decomposition/ conditions to be avoided: Avoid exposure to very hot conditions.
10.3	**Possibility of hazardous reactions**	Hazardous reactions will not occur if stored under normal conditions.
10.4	**Conditions to avoid**	Excessive heat, Strong oxidizing agents, incompatible materials.
10.5	**Incompatible materials**	Avoid contact with strong acids, alkali or oxidizing agents.
10.6	**Hazardous decomposition products**	No decomposition if used according to specifications. In case of fire, toxic fumes of oxides of carbon will be generated.
SECTION 11: Toxicological Information		
11.1	**Information on toxicological effects**	

	Acute toxicity: LD/LC50 values relevant for classification:		
	Oral	LD50	410 mg/kg bw (Rat) male Sprague Dawley
	Dermal	LD50	No available data
	Inhalation	LD50	0.05 to 0.5 mg/L (Rat) Wistar
	skin corrosion/ irritation	Not classified (New Zealand White Rabbit)	
	serious eye damage/ irritation	Risk of serious damage to eyes (Category 1), (Albino Rabbit)	
	Sensitization	Sensitizing (Category 1), mouse local lymph node assay (LLNA)	
	Germ cell mutagenicity	Negative (Bacterial reverse mutation assay)	
	Carcinogenicity	Not listed as carcinogen by IARC	
	Reproductive toxicity	No Observed Adverse Effect Level (NOAEL) = 15 mg/kg/day	
	Repeated dose toxicity (Oral)	No Observed Adverse Effect Level (NOAEL) = 1.5 mg/kg/day	
	Aspiration hazard	No available data	
11.2	**Information on other hazards**		
	Endocrine disrupting properties	No available data	
	Other information	No further relevant information available	
SECTION 12: Ecological information			
12.1	**Aquatic toxicity of the mixture**		
	Fish	LC50 (96 h) Fish	6.85 mg/L (Leuciscus idus)
	Invertebrate	EC50 (48 h) Invertebrate	1 mg/L (Daphnia magna)
	Algae	EC50 (72 h) Algae	0.023 mg/L (Pseudokirchneriella subcapitata)
12.2	**Persistence and degradability**	Not readily bio-degradable	
12.3	**Bio-accumulative potential**	No available data	
12.4	**Mobility in soil**	Soil adsorption co-efficient Koc = 430000	
	Additional ecological	Must not reach sewage water or drainage ditch undiluted or un-neutralized	

	information: General notes	
12.5	**Results of PBT and vPvB assessment**	
	PBT	No available data
	vPvB	No available data
12.6	Endocrine disrupting properties	Not applicable
12.7	Other adverse effects	No further relevant information available.
SECTION 13: Disposal considerations		
13.1	**Waste treatment methods**	
	Recommendation	Must not be disposed together with household garbage. Do not allow product to reach sewage system. Must be specially treated adhering to official regulations. Prevent contamination of soil, ground and surface water.
	European waste catalogue	07 03: Wastes from the Manufacture, Formulation, Supply and Use (MFSU) of organic dyes and pigments.
	Un-cleaned packaging:	
	Contaminated packaging	Decontaminate empty containers. Observe all label safeguards until containers are cleaned and destroyed.
	Other disposal recommendation:	Dispose of packaging according to regulations on the disposal of packaging. Packaging that may not be cleansed are to be disposed of in the same manner as the product.
SECTION 14: Transport information		
14.1	UN-Number: ADR, IMDG, IATA	UN 3143
14.2	UN proper shipping name: ADR, IMDG, IATA	Dye, solid, toxic, n.o.s., 3,6-bis(ethylamino)-9-[2-(methoxycarbonyl)phenyl]-2,7-dimethylxanthylium chloride (Trade Name: Basic Red 1:1)
14.3	Transport hazard class(es): **ADR, IMDG,** **IATA**	  Class: 6.1 Label: 6.1

		 Class: 6.1 Label: 6.1
14.4	Packing group: ADR, IMDG, IATA	Packing Group: **III**
14.5	Environmental hazards:	Marine Pollutant: YES
14.6	Special precautions for user	Danger Code (Kemler): 60 Warning: Miscellaneous dangerous substances and articles
14.7	Maritime transport in bulk according to IMO instruments	No relevant information available
SECTION 15: Regulatory information		
15.1	Safety, health and environmental regulations/legislation specific for the mixture	
	National regulations:	
	International Inventories	• Australian Inventory of Chemical Substances (AICS): Listed • Canada: Canada's DSL List: Listed • US Federal (TSCA Inventory): Listed • US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): 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
	Information about limitation of use	Not to be used as a food colour
	Other regulations, limitations and prohibitive regulations	User to follow national laws and regulations
	Substances of very high concern (SVHC) according	Not listed as SVHC

	to REACH, Article 57	
	Ingredients listed in Annex XIV or Annex XVII of Regulation (EC) No 1907/2006	Not listed in Annex XIV or Annex XVII of Regulation (EC) No 1907/2006
15.2	Chemical safety assessment	A chemical safety assessment has not been carried out for the substance
SECTION 16: Other information		
	Department issuing MSDS	Product safety department
	Contact:	Mr. Vijay Mehra Email: veetohobbies@hotmail.com Mob: 7027002328/29/75
16.1	Sections of the SDS authored	Section 1: Identification of the substance/mixture and of the company/undertaking Section 2: Hazards identification Section 3: Composition /Information on Ingredients Section 4: First-aid measures Section 5: Fire-fighting measures Section 6: Accidental Release measures Section 7: Handling and storage Section 8: Exposure Controls/Personal protection Section 9: Physical and Chemical properties Section 10: Stability and Reactivity Section 11: Toxicological Information Section 12: Ecological Information Section 13: Disposal Considerations Section 14: Transport Information Section 15: Regulatory Information Section 16: Other Information
16.2	Abbreviations and acronyms	• 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 danger uses 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 Labeling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances • CAS: Chemical Abstracts Service (division of the American Chemical Society) • LC50: Lethal concentration, 50 percent • LD50: Lethal dose, 50 percent
16.3	Sources	• REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on classification, labeling 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/16868/1/1 • https://apciss.cirs-group.com/?lang=en • https://www.ukfrs.com/guidance/search/adr-hazard-identification-numbers-hin-or-kemler-code

Disclaimer :

The information and recommendations contained herein are, to the best of our knowledge and belief, accurate and reliable as of the date issued. You can contact Veeto Hobbies India to ensure that this document is the most current available from Veeto Hobbies India. The information and recommendations are offered for the user's consideration and examination. It is the user's responsibility to satisfy himself that the product is suitable for the intended use. If buyer repackages this product, it is the user's responsibility to ensure proper health, safety and other necessary information is included with and/or on the container. Appropriate warnings and safe- handling procedures should be provided to handlers and users. Alteration of this document is strictly prohibited. Except to the extent required by law, re- publication or retransmission of this document, in whole or in part, is not permitted.