




MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Product Name **Brighto All Tint Fire Red**

Intended Use Water / Solvent Based Protective and Decorative Paints

Manufacturer **BRIGHTO CHEMICALS PAKISTAN (PVT) LTD.**
Plot No: 39-40. M-3 Industrial City.
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2.HS CODE		
3204.1720		
3. HAZARDS IDENTIFICATION		
Health = 1, Flammability = 0, Physical Hazard = 0, Personal Protection = B GHS label elements		
		
Signal word: Warning. Hazard statements: May cause an allergic skin reaction. Toxic to aquatic life. Harmful to aquatic life with long lasting effects.		
4. COMPOSITION/INFORMATION ON INGREDIENTS		
Ingredient name	%	CAS number
Hexahydro-1, 3, 5 – tris (2-hydroxyethyl) –s-triazine 1, 2- Benzisothiazolin-3-one Sodium hydroxide	0-0.3	004719-04-4, 002634-33-5, 001310-73-2
5-Chloro-2-methyl-2H-isothiazol-3-one and 2-Methyl-2H-isothiazol-3-one	0-0.5	55965-84-9
Ammonia	0.1-2	1336-21-6
Water	50-60	7732-18-5
Red 112	5-15	6535-46-2
Mono ethylene Glycol	10-20	107-21-1
There are no additional ingredients present which, within the current knowledge of the supplier and in the concentration applicable, are classified as hazardous to health or the environment and hence require reporting in this section.		
5. FRIST-AID MEASURES		

Eye contact Immediately flush eyes with large amounts of water for at least 15 minutes or until irritation subsides. Obtain medical attention if necessary.

Skin contact In case of contact, wash skin with water and soap. If irritation persists, get medical attention.

Inhalation Remove to fresh air immediately. If not breathing, administer artificial respiration. If breathing is difficult, give oxygen. Keep at rest. Obtain medical attention if necessary.

Ingestion DO NOT induce vomiting unless directed to do so by a medical personnel. Never give anything by mouth to an unconscious person. Keep at rest. Get medical attention if necessary.

6. FIRE FIGHTING MEASURES

The product is not combustible and not considered to be a significant fire risk.

Extinguishing media	Carbon dioxide, foam or dry chemical type recommended.
Fire fighting advice	Not combustible, however following evaporation of the water component of the material, the residual material can burn if ignited.
Special information	Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

7. ACCIDENTAL RELEASE MEASURES

Person related precautionary measures	Avoid substance contact with eyes. Do not inhale vapours. Ensure supply of fresh air in enclosed rooms. Use personal protective equipment, e.g. respirators, eye protection, gloves and safety shoes.
Environment protection measures	Eliminate sources of ignition. Keep public away. Contain spilled liquid with sand or other non-combustible absorbent materials. Wash area and prevent run-off into drains and sewerage system. Advise authorities if substance has entered a watercourse or sewer or has contaminated soil or vegetation.
Procedure for cleaning	Clean up all spills immediately. Absorb spill with absorbent and inert material, then place in container. Disposal in accordance to local regulations.

8. HANDLING AND STORAGE

Handling	Keep out of reach of children. Handle containers with care. Open slowly in order to control possible pressure release. Do not pressurize containers. Do not ingest. Do not breathe in gas/fumes/vapour. Avoid contact with skin and eyes. For personal protection, see section 8. Use only in areas from which all naked lights and other sources of ignition have been excluded. Protect from frost and extremes of temperature.
Storage	Keep containers tightly closed. Avoid extremes of temperature. Store in well ventilated place, away from heat. Containers should be properly resealed after use and keep upright to prevent leakage.

9. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROL MEASURES:

Provide exhaust ventilation.
Ensure eyewash stations and safety showers are close to the workstation location.

PERSONAL PROTECTION MEASURES:

Respiratory protection	Wear appropriate respirators when ventilation is inadequate.
Hand protection	Use of rubber type gloves is recommended.
Eye protection	Use of safety glasses or goggles with side shields is recommended.
Skin / Body protection	Cotton or synthetic clothing is normally suitable.

10. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (Physical state)	Liquid
Odour	Mild
Colour	Red
Vapour pressure	Not available
Vapour density	Not available
Water solubility	0 Miscible
PH	8.75-9.25
Density (kg/l)	1.30 +-0.03
Boiling point (°C)	Not available
Melting point (°C)	Not available
Flash point (°C)	N/A
Auto ignition temperature (C)	Not available
Evaporation rate	Not available
Others properties	Not available

11. STABILITY AND REACTIVITY

Stability	The product is stable under recommended storage and handling conditions. (See section 7).
Conditions to avoid	DO NOT expose to extreme heat, ignition sources or sparks.
Hazardous decomposition products	When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke and oxides of nitrogen.
Materials to avoid (Incompatibility)	Keep away from oxidizing agents, strongly alkaline and strongly acidic materials in order to avoid exothermic reactions.

12. TOXICOLOGICAL INFORMATION

ACUTE EFFECT:

Eye contact	Prolong contact may cause eye irritation.
Skin contact	Prolong contact may cause skin irritation.
Inhalation	May cause irritation to mucous membranes of the respiratory system.
Ingestion	May cause nausea and vomiting.

CHRONIC EFFECT:

No information available on the product.

13. TOXICITY LEVEL

Oral LD50 = 175000 mg / Kg, Inhalation LC50= 350000 ppm, Dermal LD50 = 98350 mg/ kg

14. ECOLOGICAL INFORMATION

There are no data available on the product itself.

For spills or waste, take care to avoid contaminating the environment. The product should not be allowed to enter drains and watercourses

15. DISPOSAL CONSIDERATIONS

The product should not be allowed to enter drains and watercourses.

Wastes and empty containers should be treated and disposed of in accordance with national and local regulations.

Empty containers and packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor.

16. TRANSPORT INFORMATION

Transport to be in accordance with ADR/RID for road/rail, IMDG for sea and IATA for Air.

Land transport

Not classified as Dangerous Goods by the criteria of the European Agreement concerning the international carriage of Dangerous Goods (ADR) by Road & Regulations concerning the international carriage of Dangerous goods (RID) by Rail.

Sea transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport of Sea.

Air transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by Air.

A "UN NUMBER" does not apply to these materials because such numbers are assigned only to "Dangerous Goods" by the United Nations Committee of Experts on the Transport of Dangerous Good.

17. REGULATORY INFORMATION

Classification according to GHS Directives.

18. OTHER INFORMATION

To the best of our knowledge, the information contained herein is accurate. However, the information is provided without any representation or warranty, expressed or implied, regarding its accuracy or completeness. Since the conditions of handling, storage, use and disposal are beyond our control and may be beyond our knowledge, for this and other reasons, we make no guarantee of results and assume no liability for damages incurred by the use of this product. Please be reminded that all chemicals may present unknown health hazards and should be used with caution.

