MATERIAL SAFETY DATA SHEET

Melamine

Section 1 - Chemical Product and Company Identification

MSDS Name:	**Melamine**
Synonyms:	2,4,6-Triamino-s-triazine

Company Identification: (INDIA)	DS Global Venture, [Registered office address], INDIA
For information in the INDIA, call:	Tel: +91 98933 53200 Email: [Email address]

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
108-78-1	Melamine	99%	203-615-4

Hazard Symbols:	XN
	
Risk Phrases:	21 44

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Harmful in contact with skin. Risk of explosion if heated under confinement.

Potential Health Effects

Eye:	Causes mild eye irritation. Causes redness and pain.
Skin:	May cause skin irritation. Harmful if absorbed through the skin.
Ingestion:	May cause irritation of the digestive tract. May be harmful if swallowed.
Inhalation:	May cause respiratory tract irritation.
Chronic:	

Section 4 - First Aid Measures

Eyes:	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin:	Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Ingestion:	Get medical aid. Wash mouth out with water.
Inhalation:	Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Notes to Physician:	Treat symptomatically and supportively.

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Section 5 - Fire Fighting Measures

General Information:	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. This material in sufficient quantity and reduced particle size is capable of creating a dust explosion. Containers may explode if exposed to fire. Risk of explosion if heated under confinement.
Extinguishing Media:	Use water spray, dry chemical, carbon dioxide, or chemical foam.

Section 6 - Accidental Release Measures

General Information:	Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks:	Vacuum or sweep up material and place into a suitable disposal container.

Section 7 - Handling and Storage

Handling:	Use with adequate ventilation. Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.
Storage:	Store in a cool, dry place. Store in a tightly closed container.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:	Use adequate ventilation to keep airborne concentrations low.
Exposure Limits	CAS# 108-78-1:
Personal Protective Equipment	
Eyes:	Wear chemical splash goggles.
Skin:	Wear appropriate protective gloves to prevent skin exposure.
Clothing:	Wear appropriate protective clothing to prevent skin exposure.
Respirators:	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State:	Crystalline powder
Color:	white - fine
Odor:	odorless
pH:	8.4-8.9 (10% aq soln)
Vapor Pressure:	0.204mbar @20 deg C
Viscosity:	Not available
Boiling Point:	Not available
Freezing/Melting Point:	354 deg C (669.20°F)
Autoignition Temperature:	658 deg C (1,216.40 deg F)
Flash Point:	> 280 deg C (> 536.00 deg F)
Explosion Limits: Lower:	Not available
Explosion Limits: Upper:	Not available
Decomposition Temperature:	
Solubility in water:	3 g/l (20°C)
Specific Gravity/Density:	1.573
Molecular Formula:	C3H6N6

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Molecular Weight:	126.12

Section 10 - Stability and Reactivity

Chemical Stability:	Stable under normal temperatures and pressures. When heated to decomposition cyanide fumes are released.
Conditions to Avoid:	Incompatible materials, dust generation, temperatures above 300°C.
Incompatibilities with Other Materials	Strong oxidizing agents, strong acids.
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide, nitrogen oxides (NOx) and ammonia (NH3).
Hazardous Polymerization	Will not occur.

Section 11 - Toxicological Information

RTECS#:	CAS# 108-78-1: OS0700000
LD50/LC50:	RTECS: **CAS# 108-78-1:** Draize test, rabbit, eye: 500 mg/24H Mild; Inhalation, rat: LC50 = 3248 mg/m3; Oral, mouse: LD50 = 3296 mg/kg; Oral, rat: LD50 = 3161 mg/kg; Skin, rabbit: LD50 = >1 gm/kg; Other:
Carcinogenicity:	Melamine - IARC: Group 3 (not classifiable)
Other:	See actual entry in RTECS for complete information. The toxicological properties have not been fully investigated.

Section 12 - Ecological Information

Ecotoxicity:	Fish: Gold orfe: LC50 >500 mg/l; 48H; Algae: Gold orfe: EC50 >940 mg/l; 96H; Daphnia: Gold orfe: EC50 >2000 mg/l; 48H;
Other:	Not readily biodegradable. Avoid entering into waters or underground water. Do not empty into drains. log Pow: -1.14

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

	IATA	IMO	RID/ADR
Shipping Name:	Not regulated.	Not regulated.	Not regulated.
Hazard Class:			
UN Number:			
Packing Group:			

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Section 15 - Regulatory Information

European/International Regulations
European Labeling in Accordance with EC Directives
Hazard Symbols: XN
Risk Phrases:
➢ R 21 Harmful in contact with skin.
➢ R 44 Risk of explosion if heated under confinement.
Safety Phrases:
➢ S 36/37 Wear suitable protective clothing and gloves.
WGK (Water Danger/Protection)
➢ CAS# 108-78-1: 1
Canada
➢ CAS# 108-78-1 is listed on Canada's DSL List
US Federal
➢ TSCA
➢ CAS# 108-78-1 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date:	July 22, 2015
Revision #0 Date	

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