



馬拉松企業股份有限公司

MARATHON ENTERPRISE CO., LTD

Safety Data Sheet (GHS SDS)

Product Name : High impact polystyrene (HIPS) Sheet

I : Product and Company information

Manufacturer name : MARATHON ENTERPRISE CO.,LTD
 Manufacturer address: 3F, No.71.Ln.118,St. Dongjiou Rd.,Gueishan Township,Taoyuan County 33353,Taiwan.
 Manufacturer phone number : 886-3-3590801
 Recommended use and restrictions on use : commonly used in plastic packaging and vacuum forming

II : Hazards identification information

Label content	None	Other hazards	None	Hazard category	None
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III : Ingredients identification information

English name	High impact polystyrene	Content	96 % polystyrene+4% additives
Formula	(C8H8)m(C4H6)n	CAS No.	9003-55-8
Hazardous ingredients	None		

IV : First aid measures

First aid measures of different exposure routes	When dealing with high-temperature polystyrene, keep the first-aid area ventilated to avoid being scalded by high temperature and choked by dense smoke
Most significant symptoms and hazardous effects	There will be black smoke at high temperature, and the smell is very pungent
Protection of first-aiders	Wear protective masks, high temperature protective clothing, multi-layer protective masks
Notes to physicians	None

V : Fire fighting measures

Applicable fire extinguishing agent	Water Spray , CO ₂ , Foam , Dry Chemicals
Specific hazards that may be encountered while extinguishing	None

Specific extinguishing procedures	No specific procedures are required		
Specific equipment for fire fighters	No special firefighting equipment is required, just wear general firefighting equipment.		
VI : Accidental dispose measures			
Notice for individuals	Avoid cutting by the sharp HIPS sheets and walking on HIPS sheets may be slippery.		
Notice for the environment			
Clearing method	Sweep Up and Deposit in Dry Waste Container		
VII : Safe handling and storage measures			
Storage measures	Store in a cool place below 40°C		
Handling measures			
VIII : Exposure controls measures			
Engineering control	-	Parameter control	-
Personal protective equipment	-	Hygienic measures	-
IX : Physical and chemical properties			
Boiling point/ ranges (°C)	-	Melting point (°C)	240 °C
Appearance and odor	Sheet form and odorless	Color	natural color
Odor threshold	-	Specific gravity	1.05g/mL at 25 °C(lit.)
pH value	-	Density	-
Decomposition Temperature	290°C	Explosion Limits	-
Auto-ignition temperature	>427°C	Flash point	>400°C
Vapor density	-	Vapor pressure	-
Evaporation rate	-	% Volatile by Volume	<0.01%
Flammability (Solid/ Gas)	Flammable	Octanol-water partition coefficient (log Kow)	-
Solubility	Insoluble in water	Freezing point(°C)	-

X : Stability and reactivity			
Stability	Very stable	Conditions to be avoided	Temperature above 300°C
Substances to be avoided	Strong Oxidizing Agents	Hazardous decomposition products	Carbon monoxide
Possible hazardous reactions under specific conditions	Improper combustion produces carbon monoxide irritating nose and throat		
XI : Toxicity information			
Exposure routes	Non-toxic	Symptoms	None
Acute toxicity	None	Chronic or long term toxicity	None
XII : Ecological information			
Ecotoxicity	Non-toxic	Bioaccumulative potential	None
Persistency and degradability	Insoluble in water, it remains in a stable state around the environment. After long-term sunlight exposure, it will show a state of peeling off the surface. It is currently not expected to be decomposed by biochemical action		
Mobility in soil	It cannot be decomposed by biochemical action, and will remain in the soil in the terrestrial environment		
Other adverse effects	To prevent being ingested by sea creatures or birds, it is strictly forbidden to discard into the sea or water.		
XIII : Waste disposal measures			
Waste disposal measures	Not Critical- Treat as Conventional Solid Waste in accordance with Local Regulations		
XIV : Transport information			
United Nations shipping number	-		
Transport hazard class	-		
Packing group	-		
Marine pollutant	Yes/ No		
Specific transport measures and precautions	No specific precautions are required.		
XV : Regulations			
Applicable regulations	Occupational Safety and Health Law, Road Traffic Safety Regulations, Resource Recovery and Reuse Law		

XVI : Other information

References	-
Data prepared by (company)	Marathon Enterprise Co., Ltd. Production Technology Department
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MARATHON ENTERPRISE CO., LTD