

INDOFIL INDUSTRIES LIMITED
 KOLSHET, OFF SWAMI VIVEKANAND ROAD,
 AZAD NAGAR, SANDOZ BAUG P.O.,
 THANE – 400 607. MAHARASHTRA (INDIA)
 TEL. NO.: 00-91-22-67999100
 FAX NO.: 00-91-22-25898357

MATERIAL SAFETY DATA SHEET

2-R&D-MSDS-SPCD-FP-141 (Rev.01)

SECTION 1. PRODUCT IDENTIFICATION

Chemical Name	Styrene Acrylate Emulsion Polymer	Company Identification: INDOFIL INDUSTRIES LIMITED KOLSHET, OFF SWAMI VIVEKANAND ROAD, AZAD NAGAR, SANDOZ BAUG P.O., THANE – 400 607. MAHARASHTRA (INDIA) TEL. NO.: 00-91-22-67999100 FAX NO.: 00-91-22-25898357
Trade Name	INDOFIL MC 76 EMULSION	
Synonyms	Styrene Acrylate Emulsion Polymer	Chemical classification: -
IUPAC	No Data	-
CAS Number	-	-
Formula	-	-

SECTION 2. COMPOSITION / INFORMATION OF INGREDIENTS

COMPONENT NAME	CAS REGISTRY NO	CONCENTRATION
Styrene co butyl acrylate Polymer	-	46 - 48 %
Water	7732-18-5	54 - 52 %

SECTION 3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state : Liquid
Color : Milky White
Odor : Slight ammoniacal Odour

Harmful or fatal if swallowed - Can enter lungs and cause damage
Contact can cause eye or skin irritation.

IMMEDIATE HEALTH EFFECTS

Eye contact	This material can cause eye irritation with tearing, redness or a stinging or burning feeling.
Skin contact	Prolonged or repeated skin contact may cause irritation.
Inhalation	Inhalation can cause irritation of nose, throat, and lungs. Occasionally it may headache and nausea.

DELAYED OR OTHER HEALTH EFFECTS

Target organs	-
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An "X" in the box adjacent to the hazard title not indicates OSHA Hazard classification. If no "X" is present, the product exhibit the hazard as defined in the OSHA Hazard Communication standard (29 CFR 1910.1200)

OSHA Health Hazard Classification		OSHA Physical Hazard Classification	
Irritant <input checked="" type="checkbox"/>	Sensitizer <input checked="" type="checkbox"/>	Flammable <input checked="" type="checkbox"/>	Oxidizer <input checked="" type="checkbox"/>
Corrosive <input checked="" type="checkbox"/>	Carcinogenic <input checked="" type="checkbox"/>	Combustible <input checked="" type="checkbox"/>	
Toxic <input checked="" type="checkbox"/>	Highly Toxic <input checked="" type="checkbox"/>	Explosive <input checked="" type="checkbox"/>	Organic Peroxide <input checked="" type="checkbox"/>
		Pyrophoric <input checked="" type="checkbox"/>	Unstable <input checked="" type="checkbox"/>
		Organic peroxide <input checked="" type="checkbox"/>	Water-reactive <input checked="" type="checkbox"/>

SECTION 4: FIRST AID MEASURES

Eye	Flush eyes with water immediately while holding with eyelids open. Get medical attention if irritation persists.
Skin	Wash skin with soap & water as a precaution and remove contaminated clothing and shoes. Get medical attention if any symptoms develop.
Inhalation	Immediately move victim to fresh air. If victim is not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention if breathing difficulties continue.
Notes to physician	Antidote not known/Treat symptomatically

SECTION 5: FIRE FIGHTING MEASURES

NFPA Flammability Classification	-
NFPA RATINGS	Health: 1 Flammability: 0 Reactivity: 0
OSHA classification	NA
Flash point	Noncombustible
Flammability (Explosive limits)	NA
Auto ignition Temperature	NA
Hazardous Combustion products	NA
Extinguishing Media	Small fire: Use dry chemicals, carbon dioxide, foam, Large fire: Use Foam, dry chemicals, carbon dioxide
Protection of Fire Fighters	Wear NIOSH / MSHA approved self-contained breathing apparatus and full protective clothing.
Special Properties	No data available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Protective Measures	Eliminate all sources of ignition in the vicinity of the spill. If this material is released into the work area, evacuate the area immediately.
Spill Management	Wear a NIOSH/MSHA approved dust respirator and all appropriate protective equipment. Do not touch or walk through spilled material. Prevent spilled material from entering waterways, sewers, basements or confined areas. Clean up spill as soon as possible. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations

SECTION 7: HANDLING AND STORAGE

Handling	Use only with adequate ventilation and personal protection. Avoid contact with eyes, skin, and clothing. Wash exposed skin thoroughly with soap and water after handling.
Storage	Store and transport in accordance with all applicable laws. Keep containers tightly closed and store in a cool, dry, well-ventilated place, plainly labeled and out of closed vehicles. Keep away from all ignition sources. All electrical equipment in areas where this material is stored or handled should be installed in accordance with applicable regulatory requirements and the national electrical code.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls	Provide exhaust ventilation or other engineering controls. An emergency eye wash station and safety shower should be located near the workstation.
Personal Protective Equipment	<p>Eye Protection: Wear eye protection such as safety glasses, chemical goggles, or face shields if engineering controls or work practices are not adequate to prevent eye contact. Contact lenses should not be worn when working with this chemical</p> <p>Hand protection: Avoid skin contact .Use gloves. Wash hands with plenty of mild soap and water, if comes in contact.</p> <p>Body protection: Avoid skin contact. Wear long-sleeved fire-retardant garments. Additional chemical-resistant protective gear may be required. This may include an apron, boots and additional facial protection.</p> <p>Respiratory Protection: Dust / mist filtering respirator or a NIOSH approved respirator .</p> <p>Work practices: users should wash hands before eating, drinking or using the toilet.</p>

Occupational exposure limits

Component	Limit	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid	Color	Milky white
Odour	Characteristic	PH (as such)	8 - 10.0
Specific gravity@30 °C	1.02 -1.05	Solubility in water	Miscible
Vapor pressure	17 (Water)	Vapor density	NA
Viscosity Brookfield @25 °C	NA	Boiling point	100 °C
Melting point	0 °C		

SECTION 10: STABILITY AND REACTIVITY

Chemical stability	Stable
Conditions to Avoid	Temp over 100°C
Material Incompatibility	There are no known materials, which are incompatible with this product.
Hazardous Decomposition Products	NA
Hazardous Polymerization	Product will not undergo polymerization.

SECTION 11: TOXICOLOGICAL INFORMATION

No data is available for this material. The information shown in here is based on compositionally similar material.

Acute Oral toxicity	NA
Acute Dermal toxicity	NA
Acute Inhalation toxicity	NA
Eye irritation: NA Skin irritation: NA Skin Sensitization: NA	

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	No data available.
Environmental fate	No data

SECTION 13: DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined.

Dispose of empty, used containers in approved incineration plant in approved land filling area or in a disposal pit away from desirable plants and their roots and water courses. On-site disposal of undiluted product is unacceptable.

Disposal Should be in accordance with local state or national legislation. Remove to a safe location and bury on an authorized landfill site. Do not burn empty containers or Product.

SECTION 14: TRANSPORT INFORMATION

	Not regulated as a hazardous material by any mode of transportation. It is not a marine pollutant. Export water (IMO) : Not regulated Air (ICAO / IATA) : Not regulated
DOT Shipping Name	INDOFIL MC 76
DOT Hazard class	Not regulated (not dangerous for transport).
DOT identification number	No data
DOT packing Group	No data
DOT additional information	No data

SECTION 15: REGULATORY INFORMATION

TSCA Inventory	No data
SARA 311/312 Hazard Identification	Immediate (acute) health effects : No Delayed (chronic) health effects : No Reactive: No This product contains the substances subject to the reporting requirements of SARA title 3 , section 313 and 40 CFR part 372.
SARA 302/304 Emergency planning and notification	No data
SARA 313 Toxic chemical notification and Release reporting	This product contains the following components in concentrations above that are listed as toxic chemicals in 40 CFR part 372 pursuant to the requirements of section 313 of SARA.
CERCLA	No data
Clean air act (CAA)	Not applicable

SECTION 16: OTHER INFORMATION

NFPA RATINGS	Health : 1	Flammability :0	Reactivity :0
HMIS RATINGS	Health : 1	Flammability :1	Reactivity :1
	0 = Least 1= slight 2= Moderate 3= High 4=Extreme		

ABBREVIATIONS

STEL	Short term exposure limit
ACGIH	American conference of Government Industrial Hygienists
NIOSH	National institute of safety and health
SARA	Super fund Amendments and Reauthorization Act
TWA	Time weighted average
OSHA	Occupational safety and health
NFPA	National Fire protection agency
HMIS	Hazardous Materials information system
RCRA	Resource conservation Recovery act
TSCA	Toxic substance Control Act
WHMIS	Work place Hazardous Materials information system
IRAC	International Agency for Research on Cancer

MANUFACTURE'S / SUPPLIER'S DATA

Name of Firm : INDOFIL INDUSTRIES LIMITED	
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TEL NO. : 00-91-22-67999100	
FAX NO. : 00-91-22-25898357	
Local Bodies Involved	Collector of Thane

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