












Styrene

Chemical name	Styrene
Chemical family	
Formula	C ₆ H ₅ - CH = CH ₂

Hazards / symptoms	Prevention	Fire extinguishing agents / first aid	
FIRE Flammable	No open flames No sparks No smoking	Carbon dioxide, dry powder alcohol resistant foam, sand Do not use waterjet.	
EXPLOSION Vapours may form an explosive mixture with air	Keep area well ventilated.	In case of fire: keep tanks / drums cool by spraying with water.	
INHALATION Little or no irritation when styrene parts are below 210ppm (parts per million), with appreciable irritation at and above 500ppm	Workplace should be well ventilated and/or combined with mechanical exhaust system.	Remove affected person to fresh air.	
SKIN Mild irritation, may cause itching and reddening. Frequent or prolonged contact may produce dermatitis.	Avoid contact. Wear protective clothing.	Remove contaminated clothing. Flush contaminated skin with water and use soap if possible. Refer to medical attention if irritation persists.	
EYES Mild to severe irritation which may last for several hours	Suitable eye protection should be worn. Wear safety goggles	Do not delay. Hold eyelids apart and flush with clean water for ten minutes. Refer to medical attention if irritation persists.	
INGESTION Toxic Irritation of the mouth, throat and stomach, may lead to vomiting and dizziness. Harmful if more than 4g per kg of body weight is ingested.	Avoid ingestion.	Induce vomiting. Drink plenty of water or milk. Refer to medical attention.	 Do not ingest. If product is ingested then seek medical advice.







Polyester resin

Chemical name	
Chemical family	
Formula	

Hazards / symptoms	Prevention	Fire extinguishing agents / first aid	
FIRE Flammable	No open flames No sparks No smoking	Carbon dioxide, dry powder alcohol resistant foam, sand Do not use waterjet.	
EXPLOSION Vapours may form an explosive mixture with air	Keep area well ventilated.	In case of fire: keep tanks / drums cool by spraying with water.	
INHALATION Little or no irritation when styrene parts are below 210ppm (parts per million), with appreciable irritation at and above 500ppm	Workplace should be well ventilated and/or combined with mechanical exhaust system.	Remove affected person to fresh air.	
SKIN Mild irritation, may cause itching and reddening. Frequent or prolonged contact may produce dermatitis.	Avoid contact. Wear protective clothing.	Remove contaminated clothing. Flush contaminated skin with water and use soap if possible. Refer to medical attention if irritation persists.	
EYES Mild to severe irritation which may last for several hours	Suitable eye protection should be worn. Wear safety goggles	Do not delay. Hold eyelids apart and flush with clean water for ten minutes. Refer to medical attention if irritation persists.	
INGESTION Toxic Irritation of the mouth, throat and stomach, may lead to vomiting and dizziness. Harmful if more than 4g per kg of body weight is ingested.	Avoid ingestion.	Induce vomiting. Drink plenty of water or milk. Refer to medical attention.	 Do not ingest. If product is ingested then seek medical advice.







Methylene Chloride

Chemical name	Dichloromethane
Chemical family	Halogenated hydrocarbon
Formula	CH ₂ - Cl ₂

Hazards / symptoms	Prevention	Fire extinguishing agents / first aid	
FIRE Not flammable	Not applicable	Not applicable	
EXPLOSION None	None	In case of fire: keep tanks / drums cool by spraying with water.	
INHALATION Vapours irritate the eyes, nose and throat and will cause nausea and dizziness.	Avoid inhalation, use suitable respiratory protection.	Remove affected person to fresh air. Apply artificial respiration if necessary. If breathing is difficult give oxygen. Obtain medical attention immediately.	
SKIN Slight irritant. It may be absorbed through skin and may cause systemic toxicity.	Avoid prolonged contact. Wear protective clothing.	Remove contaminated clothing. Flush contaminated skin with water and use soap if possible. Refer to medical attention if irritation persists.	
EYES Moderate irritant hours.	Suitable eye protection should be worn. Wear safety goggles	Do no delay. Flush eyes with water for ten minutes. Refer to medical attention.	
INGESTION Mild toxic. Unlikely to result in adverse health effects.	Avoid ingestion. Unlikely to result in adverse health effects.	Induce vomiting. Drink plenty of water or milk. Refer to medical attention.	 Do not ingest. If product is ingested then seek medical advice.







CATALYST

Chemical name	Methyl ethyl ketone peroxide (MEKP)
Chemical family	Organic peroxide
Formula	

Hazards / symptoms	Prevention	Fire extinguishing agents / first aid	
FIRE Highly flammable	No direct contact with accelerators. No open flames. No sparks. No smoking Avoid contamination with any combustible material.	Water mist, dry powder, alcohol resistant foam.	
EXPLOSION May decompose with explosive violence under certain conditions	Keep catalyst in the original container. Store below 30°C in a separate store. Never mix directly with accelerator.	In case of fire: keep containers cool by spraying with water.	
INHALATION Harmful if inhaled	Avoid inhalation, use suitable respiratory protection.	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).	
SKIN May burn skin.	Avoid contact. Wear protective clothing.	Remove contaminated clothing. Flush contaminated skin with water and use soap if possible. Refer to medical attention if irritation persists.	
EYES Severe irritation which may last for several hours.	Suitable eye protection or face mask should be worn.	Do no delay. Hold eyelids apart and flush with clean water for ten minutes. Refer to medical attention if irritation persists.	
INGESTION Toxic May burn mouth, throat and stomach. Decomposition may occur in the stomach releasing oxygen gas and causing distension.	Avoid ingestion.	Drink plenty of water and consult a doctor. Could cause toxic myocarditis.	 Do not ingest. If product is ingested then seek medical advice.







ACETONE

Chemical name	Dimethyl Ketone, DMK
Chemical family	Ketone
Formula	CH ₃ - CH ₀ - CH ₃

Hazards / symptoms	Prevention	Fire extinguishing agents / first aid	
FIRE Highly flammable Distant ignition is possible	No open flames No sparks No smoking	Carbon dioxide, dry powder alcohol resistant foam, sand, water fog.	
EXPLOSION Vapour forms an explosive mixture with air	Keep containers closed Ventilate well. Explosion protected electrical and lighting equipment	In case of fire: Keep tanks / drums cool by spraying with water	
INHALATION Vapours irritate the mucous membranes of the upper respiratory tract. Highly concentration may cause narcosis	Avoid inhalation, use suitable respiratory protection.	Remove affected person to fresh air. Apply artificial respiration if necessary. Obtain medical attention immediately	
SKIN Slight irritant. It may be absorbed through the skin and may cause systemic toxicity.	Avoid prolonged contact. Wear protective clothing.	Remove contaminated clothing. Flush contaminated skin with water and use soap if possible. Refer to medical attention in irritation persists.	
EYES Moderate irritant.	Suitable eye protection should be worn. Wear safety goggles.	Do no delay. Flush eyes with water for ten minutes. Refer to medical attention .	
INGESTION Ingestion of acetone is toxic.	Avoid ingestion, unlikely to result in adverse health effects.	Do not induce vomiting. Refer to medical attention immediately.	 Do not ingest. If product is ingested then seek medical advice.

Cobalt Accelerator

Chemical name	Cobalt Octoate
Chemical family	Metallic Octoate
Formula	

Hazards / symptoms	Prevention	Fire extinguishing agents / first aid	
FIRE Very flammable Flashpoint 46°C	Keep in cool place away from heat and open flames	CO ₂ foam and dry chemical powder	
EXPLOSION Vapours can cause explosive mixture with air	Maintain adequate ventilation.	Eliminate all sources of ignition.	
INHALATION Can cause throat and lung irritation.	Provide adequate ventilation.	Move victim to fresh air. Obtain medical attention if recovery is prolonged.	
SKIN Can cause irritation and dermatitis upon prolonged exposure.	Wear solvent resistant gloves and safety clothing.	Remove contaminated clothing. and wash affected areas with soap and water.	
EYES Causes irritation and reddening	Wear goggles or face shield	Wash eyes with cold water for 15 – 20 minutes. Seek medical advice.	
INGESTION Can cause nausea and vomiting.	Normal hygiene procedures must be followed.	Give large volumes of water And / or milk. Seek medical advice.	 Do not ingest. If product is ingested then seek medical advice.