

BASF

Material Safety Data Sheet

Trade name	Limco 123 Mixing Base	Code	LB100 LB201 LB206 LB605 LB708 LB900
Synonyms	LB100 LB201 LB206 LB605 LB708 LB900; R231		
Chemical family	Paint.		
Chemical formula	Not applicable.		
CAS#	Not applicable.		
Material uses	Coatings: Automotive Refinish		

Physical Data

Odour	Aromatic.	Odour threshold	Not available.
Physical state and appearance	Liquid. Coloured.	Vapour pressure	The highest known value is >5 mm of Hg (@ 20°C) (Xylene).
Melting point	Not available.	Vapour density	>1 (Air = 1)
Boiling point	The lowest known value is 136.2°C(Ethyl benzene). Weighted average: 147.41°C	Evaporation Rate	The highest known value is 0.72 (Xylene). Weighted average: 0.63 compared to Butyl acetate.
Decomposition temperature	Not available.	Water/oil dist. coeff.	Not available.
Specific gravity	<1 (LB100 LB206 LB605 LB708) >1 (LB201 LB900).	pH	Not available.
Solubility	Insoluble in water.	Volatility	36.3 - 56.5% (w/w).
		Viscosity	Not available.

Hazardous Ingredients

Name	CAS #	% by Weight	Exposure Limits	
			TLV/PEL (TWA)	LC ₅₀ /LD ₅₀
Xylene	1330-20-7	10-30	100 (ppm)	LD ₅₀ Oral- (Rat): 4300 mg/kg LD ₅₀ Dermal- (Rabbit): >2000 mg/kg
Ethyl benzene	100-41-4	1-5	STEL: 125 (ppm) ACGIH (TLV) 100 (ppm) ACGIH (TLV)	LD ₅₀ Oral- (Rat): 3500 mg/kg LD ₅₀ Dermal- (Rabbit): 17800 mg/kg
1,2,4-Trimethylbenzene	95-63-6	5-10	Not available.	Not available.
Mesitylene	108-67-8	1-5	25 (ppm) ACGIH	Not available.
Solvent naphtha, light aromatic	64742-95-6	1-5	Not available.	Not available.
Toluene (LB100 only)	108-88-3	1-5	50 (ppm) Skin STEL: 150 (ppm)	LD ₅₀ Oral- (Rat): >5500 mg/kg LD ₅₀ Dermal- (Rabbit): 14000 mg/kg

Fire and Explosion Data

Flash points	The lowest known value is CLOSED CUP: >24°C (75.2°F). (Tag.). (Xylene)
Flammable limits	LOWER: 1.1% (Xylene) UPPER: 12.6% (Solvent naphtha, light aromatic)
Auto-ignition temperature	The lowest known value is 471°C (879.8°F) (Solvent naphtha, light aromatic).
Fire degradation products	Includes carbon oxides (COx).

Extinguishing media	Flammable liquid, insoluble in water. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray or fog. Never direct a water jet in the container in order to prevent any splashing of the product which could cause spreading of the fire.
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Fire and Explosion Hazards	<p>Flammable in presence of open flames, sparks, and heat.</p> <ul style="list-style-type: none"> - Solvents: Containers should be grounded. - Solvents: Vapours may travel a considerable distance to the source of ignition and flash back. <p>FIRE FIGHTING PROCEDURE: Wear self-contained breathing apparatus in confined areas or when exposed to combustion products.</p>	


Health Data

Toxicity for animals	Not available.
TLV	Not available.
Routes of entry	Dermal contact. Eye contact. Inhalation. Ingestion.
Acute effects on humans	<p>Eye and skin contact will cause irritation. Ingestion will cause adverse health effects. Inhalation will cause irritation of the respiratory tract.</p> <ul style="list-style-type: none"> - Xylene: Liquid drawn into lungs may cause bronchopneumonia.
Chronic effects on humans	<p>CARCINOGENIC EFFECTS: Classified 2B (Possible for human.) by IARC [Ethyl benzene].</p> <p>MUTAGENIC EFFECTS: Not available.</p> <p>TERATOGENIC EFFECTS: Classified POSSIBLE for human [Xylene].</p> <p>REPRODUCTIVE EFFECTS: Not available.</p> <p>The substance is toxic to kidneys, the nervous system, liver, heart, brain.</p> <p>Repeated or prolonged exposure may cause general deterioration of health.</p> <ul style="list-style-type: none"> - Xylene: High level exposure to xylene in laboratory animals, often at levels which are toxic to the mother, have affected the development of the fetus. The relevance of this to humans is not known.

First Aid

Eye contact	DO NOT use eye drops. Flush with flowing water for at least 15 minutes. Consult a physician.
Skin contact	In case of skin contact, wash immediately with plenty of water. Gently but thoroughly wash contaminated skin with running water and a non-abrasive soap. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
Inhalation	Allow the victim to rest in a well-ventilated area. Consult a physician.
Ingestion	Check for any obstruction in the victim's mouth. Have conscious person drink several glasses of water or milk. DO NOT induce vomiting. Consult a physician.

Protective Measures

Protective clothing	<p>Splash goggles. Lab coat/ coveralls. MSHA/NIOSH approved vapour respirator if exposed to vapours or mist. Gloves (impervious).</p>	
Engineering controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.	

Reactivity Data

Stability	The product is stable.
Incompatibility	<p>Reactive with oxidizing agents, reducing agents, acids, alkalis.</p> <ul style="list-style-type: none"> - Xylene: Halogens. Nitric acid, sulfuric acid.
Hazardous decomp. products	Not available.
Hazardous Polymerization	Will not occur.
Corrosivity	No data available.




Limco 123 Mixing Base**Page: 3****Spills, Disposal, Storage and Handling**

Spills and leak	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
Waste disposal	Recycle to process, if possible. Dispose of in a licensed facility. Consult your local or regional authorities.
Storage and Handling	Flammable materials should be stored in a separate safety storage cabinet or room. Keep away from heat. Keep away from sources of ignition. Keep containers tightly closed. Store in a cool, dry, well-ventilated location. Ground all mixing and transfer equipment. A refrigerated room would be preferable for materials with a flash point lower than 37.8°C (100°F).

Ecological Data

Biodegradability	Not available.
Aquatic Toxicity	Not available.
Bacterial Inhibition in Effluent	
Species/Tests	Not available.
LC0	Not available.
LC10	Not available.
LC50	Not available.
Remarks	Not available.

Classification

TDG road / rail	TDG CLASS 3: Flammable liquid.	
	Shipping name: Paint UN: 1263 PG: III	
WHMIS	WHMIS CLASS: B-2 D-2A D-2B	 

Other Information

Other remarks:	None.
Supplier:	BASF Canada 345 Carlingview Drive Toronto, Ont. M9W 6N9 416-675-3611
Validated by Product Safety Department on 6/23/2005.	Printed 6/23/2005.

Emergency: CANUTEC (reverse charges) 613-996-6666
Emergency Response Hotline 800-454-2673

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