

**LAFRENTZ SYSTEM 400- SPRAY
MATERIAL SAFETY DATA SHEET
A COMPONENT**

SECTION 1 - PRODUCT IDENTIFICATION AND USE

Product Identifier: Lafrentz Formulas 400 Series

EXTRUSION LIQUID COMPONENT

Product Identification Number (PIN): UN 1263

Product Use: permanent plastic traffic lines and markings

Manufactured and Supplied By: Lafrentz Road Marking
A Division of Canadian Road Builders
Inc.
Zone 4, 26120 Acheson Road
Acheson, Alberta T7X 6B3
Telephone: (780) 962-7800

24-Hour Emergency Telephone Number: (613) 996-6666

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	CAS NUMBER	LD50 OF INGREDIENT	LC 50 OF INGREDIENT
METHYL METHACRYLATE	8 - 10	80-62-6	7872 mg/kg	not applicable
2 ETHYLHEXYL ACRYLATE	4 - 6	103-11-7	none	none

SECTION 3 - PHYSICAL DATA

PHYSICAL STATE:	THICK LIQUID
ODOUR AND APPEARANCE:	STRONG CHARACTERISTIC ODOUR THICK LIQUID, COLOUR AS ON LABEL
ODOUR THRESHOLD:	LESS THAN 1 PPM
VAPOUR PRESSURE:	47 mbar
VAPOUR DENSITY:	3.45 of MMA (AIR = 1)
EVAPORATION RATE:	not available
BOILING POINT:	100 DEGR C.
FREEZING POINT:	-48 DEGR C.
PH:	not applicable
SPECIFIC GRAVITY:	2.0 g/ml
COEFF. WATER/OIL DIST.	Not applicable

SECTION 4 - FIRE AND EXPLOSION DATA

FLAMMABILITY:	YES, SOMEWHAT FLAMMABLE
UNDER FOLLOWING CONDITIONS:	WHEN AN OPEN FLAME IS INTRODUCED THE PRODUCT WILL BURN SLOWLY. FIRE GOES OUT WHEN FLAME IS TAKEN AWAY.
MEANS OF EXTINCTION:	WATER SPRAY, FOAM, and CARBON DIOXIDE DRY CHEMICAL
FLASHPOINT:	17 DEGREES C.
UPPER FLAMMABILITY LIMIT:	12.5 (% by volume)
LOWER FLAMMABILITY LIMIT:	2.1 (% by volume)
AUTOIGNITION TEMPERATURE:	280 DEGREES C.
HAZARDOUS COMBUSTION PRODUCTS:	CO ₂ ; CO
SENSITIVITY TO IMPACT:	NONE
SENSITIVITY TO STATIC DISCHARGE:	NONE

SECTION 5 - REACTIVITY DATA

CHEMICAL STABILITY:	AVOID HEAT, LIGHT AND DIRECT SUNLIGHT METHYL METHACRYLATE MONOMER (MMA) TENDS TO SELF-POLYMERIZATION WITH HEAT BUILD-UP (EXOTHERMIC REACTION).
INCOMPATIBLE MATERIALS:	RADICAL SOURCES SUCH AS PEROXIDES, AZO COMPOUNDS, HEAVY METAL IONS, REDOX-SYSTEMS, AMINES, SULPHUR COMPOUNDS. MMA ACTS AS A STRONG SOLVENT AND CAN SOFTEN SOME PLASTIC, PAINT & RUBBER.
CONDITIONS OF REACTIVITY:	MMA HAS AN INHIBITOR AGAINST SELF- POLYMERIZATION. OXYGEN OF AIR IMPROVES THE EFFICIENCY OF THE INHIBITOR. AVOID STORAGE UNDER OXYGEN FREE ATMOSPHERE.
POSSIBLE HAZARDOUS DECOMPOSITION PRODUCTS:	NOT AVAILABLE

SECTION 6 - TOXICOLOGICAL PROPERTIES

ROUTES OF ENTRY	
SKIN CONTACT:	YES
SKIN ABSORPTION:	YES
EYE CONTACT:	YES
INHALATION:	YES
INGESTION:	YES
ACUTE OVER EXPOSURE EFFECTS:	MAY BE IRRITATING AFTER SWALLOWING, SKIN CONTACT OR INHALATION
CHRONIC OVER EXPOSURE EFFECTS:	DERMATITIS
EXPOSURE LIMITS:	NOT AVAILABLE
IRRITANCY OF PRODUCT:	EYES, SKIN, RESPIRATORY TRACT, and GASTROINTESTINAL TRACT
SENSITIZATION TO PRODUCT:	BY SKIN CONTACT
CARCINOGENICITY:	NONE REPORTED
TERATOGENICITY:	NONE REPORTED
REPRODUCTIVE TOXICITY:	NONE REPORTED
MUTAGENICITY:	NONE REPORTED
SYNERGISTIC PRODUCTS:	NONE REPORTED

SECTION 7 - PREVENTATIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

GLOVES:	LEATHER, RUBBER OR PVA
RESPIRATORY:	A RESPIRATORY PROTECTION SYSTEM MAY BE USED WHENEVER WORKPLACE CONDITION WARRANT RESPIRATOR USE (IE. CONFINED SPACE, OR INDOORS)
EYES:	GOGGLES
FOOTWEAR:	NOT APPLICABLE
CLOTHING:	NO SPECIAL CLOTHING
OTHER:	SAFETY SHOWERS OR EYE WASH SYSTEMS

ENGINEERING CONTROLS: USE OUTDOORS. EXHAUST VENTILATION RECOMMENDED WHEN USED INDOORS.

LEAK AND SPILL PROCEDURE: ADD B.P.O. 3% BY WEIGHT AND MIX IN THOROUGHLY. PEEL OFF WHEN LIKE PUTTY, THEN LANDFILL.

WASTE DISPOSAL: ADD 1% B.P.O. POWDER SPREAD OUT NOT MORE THAN 3 CM. THICK, LANDFILL WHEN HARD.

HANDLING PROCEDURES AND EQUIPMENT: DO NOT EAT, DRINK OR SMOKE WHILE WORKING WITH MATERIALS.

STORAGE REQUIREMENTS: STORE IN COOL, VENTILATED AREA. KEEP AWAY FROM INCOMPATIBLE MATERIALS.

SPECIAL SHIPPING INFORMATION: CONTROLLED UNDER "TRANSPORT OF DANGEROUS GOODS" LEGISLATION AS A FLAMMABLE.

SECTION 8 - FIRST AID MEASURES

SKIN: RINSE WITH SOAP AND WATER. REMOVE CLOTHING AND SHOES AFTER FLUSHING HAS BEGUN.

EYE: FLUSH EYES WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. SEEK MEDICAL ATTENTION.

INHALATION: INHALATION OF VAPOURS MAY CAUSE NAUSEA, MOVE INDIVIDUAL TO FRESH AIR

INGESTION: IF SWALLOWED, KEEP AT REST, SEEK MEDICAL

ATTENTION.

SECTION 9 - PREPARATION DATE OF MSDS

PREPARED BY: LAFRENTZ ROAD MARKING, A Division of Canadian Road Builders Inc. –
Production Department

DATE: October 26, 2017

PHONE NUMBER: (780) 962-7800

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