



Material Safety Data Sheet

FIR No.: 040056
Version Number: US-US-10

Level: 3
Release Date: 2013-02-26

1. Product and Company Identification

Product Name: Lacquer Touch-Up Paint - Primer
Product Code: See Attachment
Application: Automotive exterior touch-up paint
Supplier: Ford Motor Company
 Attention: MSDS Information, P.O. Box 1899
 Dearborn, Michigan 48121
 1-800-392-3673

Emergency Telephone: Poison Control Center: 1-800-959-3673
 CHEMTREC: U.S. and Canada: 1-800-424-9300
 CHEMTREC: International: 1-703-527-3887

2. Composition/Information on Ingredients

This chemical product is a preparation.

Chemical Name	CAS Number	Percent Concentration	Hazard Classification
METHYL ETHYL KETONE	78-93-3	30-60	LOCAL REV 1 HAZCOM DSL LISTED CANPRECURS OR WHMIS 1 PEL/TLV-US RQ RSMS_D_ALL ACGIH/OSHA
TITANIUM DIOXIDE	13463-67-7	5-10	PEL/TLV-US IARC 2B (NA) HAZCOM DSL LISTED ACGIH/OSHA RSMS_D_ALL
TALC	14807-96-6	5-10	ACGIH/OSHA PEL/TLV-US HAZCOM DSL LISTED
METHYL ALCOHOL	67-56-1	1-5	LOCAL REV 1 PEL/TLV-US RQ RSMS_D_ALL SARA 313 HAZCOM WHMIS 1



Material Safety Data Sheet

FIR No.: 040056
Version Number: US-US-10

Level: 3
Release Date: 2013-02-26

ISOPROPANOL	67-63-0	1-5	CAA-HAP ACGIH/OSHA DSL LISTED ACGIH/OSHA DSL LISTED HAZCOM PEL/TLV-US RSMS_D_ALL SARA 313 WHMIS 1
ISOBUTYL ALCOHOL	78-83-1	1-5	DSL LISTED ACGIH/OSHA WHMIS 1 RSMS_D_ALL RQ PEL/TLV-US HAZCOM
METHYL ISOBUTYL KETONE	108-10-1	1-5	RSMS_D_ALL SARA 313 RQ PEL/TLV-US LOCAL REV 1 HAZCOM DSL LISTED CAA-HAP ACGIH/OSHA WHMIS 1
TOLUENE	108-88-3	1-5	ACGIH/OSHA CAA-HAP WHMIS 1 SARA 313 RSMS_P_SOM CANPRECURS OR DSL LISTED HAZCOM LOCAL REV 1 PEL/TLV-US RQ RSMS_D_ALL
CALCIUM CARBONATE	471-34-1	1-5	DSL LISTED ACGIH/OSHA HAZCOM PEL/TLV-US



Material Safety Data Sheet

FIR No.: 040056
Version Number: US-US-10

Level: 3
Release Date: 2013-02-26

3. Hazards Identification

FLAMMABLE

Health: Extreme overexposure may result in unconsciousness and possibly death.
Inhalation of mist and vapors may irritate the nose, throat, and lungs.
May cause skin, eye and respiratory tract irritation.
Overexposure may cause central nervous system depression.
Overexposure may cause liver, kidney and heart damage.

Environment: Material contains a chemical which is a Hazardous Air Pollutant (HAP), regulated by the United States Clean Air Act.

4. First-Aid Measures

Inhalation: If gas/fume/vapor/dust/mist from the material is inhaled, remove the affected person immediately to fresh air.
If irritation persists, get medical attention.

Skin Contact: Wash skin with soap and water.
If irritation persists, get medical attention.

Eye Contact: In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes and seek medical attention.
If irritation persists, get medical attention.

Ingestion: If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting.

Most Important Symptoms Effects: Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.
Redness and itching or burning sensation may indicate eye or excessive skin exposure.

Notes to a Physician: This material, if aspirated into the lungs, may cause chemical pneumonitis; treat the affected person appropriately.

5. Fire-Fighting Measures

Extinguishing Media: Dry chemical, foam, carbon dioxide.

Specific Methods: Water may be an ineffective extinguishing medium.
Water may be used to cool exposed containers to prevent pressure build-up and explosion when exposed to extreme heat.

Specific Hazards: Due to pressure buildup, closed containers exposed to excess heat may explode.
Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.



Material Safety Data Sheet

FIR No.: 040056
Version Number: US-US-10

Level: 3
Release Date: 2013-02-26

Protection of Firefighters: Fire fighters should be equipped with NIOSH-approved, self-contained breathing apparatus (SCBA) and full protective clothing.

6. Accidental Release Measures

Personal Precautions: Avoid inhalation of vapors and contact with skin and eyes.
Eliminate all sources of ignition or flammables that may come into contact with a spill of this material.
Ventilate the contaminated area.
Wear appropriate protective equipment and clothing during clean-up.

Environmental Precautions: Do not allow the spilled product to enter public drainage system or open water courses.
Do not allow this material to drain into sewers/water supplies.

Methods for Cleaning Up: Absorb the spilled material with an inert absorbent (nonflammable) material.

7. Handling and Storage

Handling:

Technical Measures: Keep this product from heat, sparks, or open flame.

Precautions and Advice for Safe Handling: Avoid breathing vapor or mist.
Avoid contact with skin, eyes and clothing.
Keep area ventilated. Do not smoke. Extinguish all flames, pilot lights, and heaters. Turn off stoves, electric tools and appliances, and any other sources of ignition.

Storage: Technical Measures: Eliminate all sources of ignition.

Storage Conditions: Ground all containers of this material.
Keep the container tightly closed and in a cool, well-ventilated place.
Keep away from children.

Material Safety Data Sheet

FIR No.: 040056
Version Number: US-US-10

Level: 3
Release Date: 2013-02-26

8. Exposure Controls/Personal Protection

Engineering Measures: Use local exhaust.

Exposure Limits:

Chemical Name	TWA	STEL/C	References	Notes
METHYL ALCOHOL	200(ppm)	250(ppm)	ACGIH	
ISOPROPANOL	200(ppm)	400(ppm)	OSHA ACGIH	
ISOBUTYL ALCOHOL	400(ppm) 50(ppm)		OSHA ACGIH	
METHYL ETHYL KETONE	100(ppm) 200(ppm)	300(ppm) 300(ppm)	OSHA ACGIH	
METHYL ISOBUTYL KETONE	200(ppm) 20(ppm)	75(ppm)	OSHA ACGIH	
TOLUENE	100(ppm) 20(ppm)	75(ppm)	OSHA ACGIH	
CALCIUM CARBONATE	200(ppm) Note	C 300(ppm)	OSHA ACGIH	10 mg/m3 TWA (total dust/particulate)
	Note		OSHA	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)
TITANIUM DIOXIDE	10(mg/m3)		ACGIH	
TALC	15(mg/m3) Note		OSHA ACGIH	2 mg/m3 TWA (respirable fraction, particulate matter containing no asbestos and <1% crystalline silica)
	Note		OSHA	20 mppcf TWA (if 1% quartz or more, use quartz limit)



Material Safety Data Sheet

FIR No.: 040056
Version Number: US-US-10

Level: 3
Release Date: 2013-02-26

Personal Protective Equipment:

Respiratory Protection: If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of OSHA Respiratory Protection Standard 29 CFR 1910.134 and/or Canadian Standard CSA Z94.4.
Use appropriate dust/mist/fume respirator for operations involving sanding/grinding or welding/flame cutting.

Hand Protection: The use of butyl rubber gloves is recommended.

Eye Protection: Wear safety glasses with side shields.

Skin and Body Protection: Remove contaminated clothing and wash before reuse.
Wash thoroughly after handling.

Hygiene Measures: When using this material, do not eat, drink or smoke.



Material Safety Data Sheet

FIR No.: 040056
Version Number: US-US-10

Level: 3
Release Date: 2013-02-26

9. Physical and Chemical Properties

Specific Gravity: 1.07 H₂O=1 @4°C
Physical State: LIQUID
Form: PAINT
Odor: LACQUER PAINT
Color: GREY
pH: N.AP
Temperature Range During which Changes in Physical State Occur:
 Boiling Point: 64.4-172.2 °C (148-342F)
 Freezing Point: N.AV
 Melting Point: N.AP
Decomposition Temperature: N.AV
Flash Point: 2.22 °C PMCC
Auto-ignition Temperature: N.AV
Explosion Properties:
 UEL: 36.5 %
 LEL: 1 %
Vapor Pressure: N.AV
Vapor Density: >1 (AIR=1)
Octanol Water Partition Coefficient: N.AV
Solubility: N.AV
Viscosity: N.AP
Evaporation Rate: <1 Ether = 1

10. Stability and Reactivity

Stability: This is a stable material.
 Hazardous polymerization will not occur.

Conditions and Materials to Avoid: Static discharge, friction, sparks, open flames, heat and other sources of ignition.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.

Material Safety Data Sheet

FIR No.: 040056
Version Number: US-US-10

Level: 3
Release Date: 2013-02-26

11. Toxicological Information

- 67-56-1 METHYL ALCOHOL
Inhalation, adult rat, LC50 = 64000 ppm (4 Hours)
- 108-88-3 TOLUENE
Oral, adult rat, LD50 = 5000 mg/kg
- 67-63-0 ISOPROPANOL
Oral, adult rat, LD50 = 5045 mg/kg
- 108-10-1 METHYL ISOBUTYL KETONE
Inhalation, adult rat, LC50 = 8000 ppm (4 Hours)
- 108-88-3 TOLUENE
Inhalation, mouse, LC50 = 5320 ppm (8 Hours)
- 108-88-3 TOLUENE
Skin, adult rabbit, LD50 = 12124 mg/kg
- 67-56-1 METHYL ALCOHOL
Skin, adult rabbit, LD50 = 15800 mg/kg
- 78-83-1 ISOBUTYL ALCOHOL
Skin, adult rabbit, LD50 = 3400 mg/kg
- 108-10-1 METHYL ISOBUTYL KETONE
Oral, adult rat, LD50 = 2080 mg/kg
- 1330-78-5 TRICRESYL PHOSPHATE
Skin, adult cat, LD50 = 1500 mg/kg
- 763-69-9 ETHYL 3-ETHOXYPROPANOATE
Skin, adult rabbit, LD50 = 10 gm/kg
- 78-93-3 METHYL ETHYL KETONE
Inhalation, mouse, LC50 = 40 gm/m3 (2 Hours)
- 78-93-3 METHYL ETHYL KETONE
Oral, adult rat, LD50 = 2737 mg/kg
- 763-69-9 ETHYL 3-ETHOXYPROPANOATE
Oral, adult rat, LD50 = 5000 mg/kg
- 67-63-0 ISOPROPANOL
Skin, adult rabbit, LD50 = 12800 mg/kg
- 78-83-1 ISOBUTYL ALCOHOL
Oral, adult rat, LD50 = 2460 mg/kg
- 1330-78-5 TRICRESYL PHOSPHATE
Oral, adult rat, LD50 = 5190 mg/kg
- 78-93-3 METHYL ETHYL KETONE
Skin, adult rabbit, LD50 = 13 gm/kg
- 67-56-1 METHYL ALCOHOL
Oral, adult rat, LD50 = 5628 mg/kg
- 471-34-1 CALCIUM CARBONATE
Oral, adult rat, LD50 = 6450 mg/kg

Inhalation: Excessive inhalation of this material causes headache, dizziness, nausea and incoordination. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Skin Contact: Prolonged and/or repeated skin contact with this product may cause irritation/dermatitis.



Material Safety Data Sheet

FIR No.: 040056
Version Number: US-US-10

Level: 3
Release Date: 2013-02-26

Chronic (Long Term) Toxicity:

Based on animal studies, exposure to methyl ethyl ketone (MEK) increases the onset of peripheral neuropathy caused by exposure to methyl butyl ketone (MBK), and/or n-hexane, and/or ethyl butyl ketone. MEK alone has not been shown to cause peripheral neuropathy. Ethyl benzene is classified by IARC as possibly carcinogenic to humans (2B) based on inadequate evidence in humans and sufficient evidence in laboratory animals. Lifetime inhalation exposure of rats and mice to high ethylbenzene concentrations resulted in increases in certain types of cancer, including kidney tumors in rats and lung and liver tumors in mice. There is no evidence that ethylbenzene causes cancer in humans. Methanol has produced fetotoxicity in rats and teratogenicity in mice exposed by inhalation to high concentrations that did not produce significant maternal toxicity. Prolonged and repeated exposure of pregnant animals to toluene (concentrations greater than 1500 ppm) has been reported to cause adverse fetal developmental effects. It has also been reported that variable growth deficiencies have occurred in human infants born to mothers who intentionally inhaled toluene containing products (e.g., glue). Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. The National Toxicology Program (NTP) conducted a two year inhalation study of ethylbenzene vapor on laboratory animals. The study revealed that ethylbenzene vapor at 750 ppm produced kidney and testicular tumors in rats and lung and liver tumors in mice. Human data is not available at this time. This material contains an ingredient which is a possible cancer hazard based on tests with laboratory animals. Overexposure may create a cancer risk. This material contains an ingredient which is a possible reproductive hazard based on tests with laboratory animals. This product contains TITANIUM DIOXIDE. Animals inhaling massive quantities of TITANIUM DIOXIDE dust in a long term study developed lung tumors. Studies with humans involved in the manufacture of this pigment indicate no increased risk of cancer from exposure. Potential for inhalation of TITANIUM DIOXIDE dusts from coatings is very limited. Since overexposures are not expected, there is no significant hazard for man.

12. Ecological Information

No specific aquatic data available for this product.

13. Disposal Considerations

Waste from Residues:

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulation.

Contaminated Packaging:

No consideration given when disposed of according to local, state, and Federal regulations.



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14. Transport Information

U.S. Department of Transportation (DOT) 49 - CFR 172.101

Proper Shipping Name: Paint
UN Number: UN1263
Hazard Class / Division: 3
Packing Group: II

Reportable Quantity (per packaging):

Table with 3 columns: CAS, RQ, Name. Rows include: 78-93-3, 16129, METHYL ETHYL KETONE; 100-41-4, >100000, ETHYLBENZENE; 110-16-7, >100000, MALEIC ACID; 108-10-1, 100000, METHYL ISOBUTYL KETONE; 67-56-1, >100000, METHYL ALCOHOL; 108-88-3, 33333, TOLUENE; 78-83-1, >100000, ISOBUTYL ALCOHOL

Regulated Quantity:
Bulk Non-Bulk Limited Quantity
X X

Label: FLAMMABLE LIQUID

Canadian Transportation of Dangerous Goods (T.D.G.) - TDGR Schedule II

Proper Shipping Name: PAINT
UN Number: UN1263
Hazard Class / Division: 3
Packing Group: II

Regulated Quantity:
Bulk Non-Bulk Limited Quantity
X X

Label: FLAMMABLE LIQUID



Material Safety Data Sheet

FIR No.: 040056
Version Number: US-US-10

Level: 3
Release Date: 2013-02-26

Secretary of Communication and Transportation (SCT) - NOM-002-SCT2/1994 (Mexico)

Proper Shipping Name: PINTURA
UN Number: UN1263
Hazard Class/Division: 3
Packing Group: II

Regulated Quantity:
Bulk Non-Bulk Limited Quantity
X X

Label: FLAMMABLE LIQUID

International and Domestic Air Transportation - ICAO & IATA Section 4.2

Proper Shipping Name: PAINT
UN Number: UN1263
Hazard Class/Division: 3
Packing Group: II
Label: FLAMMABLE LIQUID

International Water Transportation - IMDG Code Amendment 31-02

Proper Shipping Name: PAINT
UN Number: UN1263
Hazard Class/Division: 3
Flashpoint: 14.4 °C TCC
Packing Group: II
Ems Number: 3-05

Regulated Quantity:
Bulk Non-Bulk Limited Quantity
X X

Label: FLAMMABLE LIQUID

15. Regulatory Information

The components of this product are listed on the TSCA Inventory
This product contains a toxic chemical or chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.



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Version Number: US-US-10

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California Proposition 65: WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

California Proposition 65: WARNING: This product contains a chemical known to the State of California to cause cancer.

This product contains an ingredient(s) considered to be a hazardous substance by the State of Pennsylvania (Pennsylvania Worker and Community Right to Know Act).

This product contains an ingredient(s) considered to be an environmental hazardous substance(s) by the State of New Jersey.

This product contains an ingredients(s) considered to be a hazardous substance(s) by the State of New Jersey.

Material contains a chemical which is a Ford Motor Company Material of Concern. Use and release of this material should be minimized to the greatest extent possible.

16. Other Information

Key/Legend: N.AP = Not applicable; N.AV = Not available; ND = Not determined or No data; TLV = Threshold limit value; TWA = Time-weighted average; STEL = Short-term exposure limit; C = Ceiling limit

HMIS and NFPA Hazard Class Information:

HMIS Hazard Class: Health: 2 (Moderate) Flammability: 3 (Serious) Physical Hazard: 0 (Least)

NFPA Hazard Class: Health: 2 (Moderate) Flammability: 3 (Serious) Instability: 0 (Least)

The following sections contain revisions OR NEW statements.
8
2
16
15

Preparation Information:

The chemical identification and properties for this material were provided by the manufacturer. Health and safety information has been evaluated by the Occupational and Environmental Health Sciences Department, Ford Motor Company, Diagnostic Service Center II, 1800 Fairlane Drive, Allen Park, MI 48101, USA.

Disclaimer:

The information on this data sheet represents our current data and is accurate to the best of our knowledge as to the proper handling of this product under normal conditions and in accordance with the application specified on the packaging and/or technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.



Material Safety Data Sheet

FIR No.: 040056
Version Number: US-US-10

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Release Date: 2013-02-26

Attachment

Product Code	Container Size	Part of Kit	Kit Product Code
ALBZ-19500-1000 (Obsolete)	0.5 fl. oz. (14.7 mL)		
PMP-19500-1000	0.5 fl. oz. (14.7 mL)		