

**Material Safety Data Sheet**

**FIR No.:** 009837  
**Version Number:** US-US-4

**Level:** 1**Release Date:** 2010-04-12**1. Product and Company Identification**

**Product Name:** Automotive Interior Spray Lacquer  
**Product Code:** See Attachment  
**Application:** Automotive interior 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
ACETONE	67-64-1	30-40	RQ MOC-ALL HAZCOM WHMIS 1
PROPANE	74-98-6	5-15	HAZCOM
N-BUTANE	106-97-8	5-15	WHMIS 1 RSMSREST HAZCOM
ETHYL ALCOHOL	64-17-5	5-10	HAZCOM RSMSREST WHMIS 0.1
METHYL ETHYL KETONE	78-93-3	5-10	RQ RSMSREST SARA 313 WHMIS 1 MOC-ALL HAZCOM CAA-HAP
TOLUENE	108-88-3	5-10	MOC-ALL HAZCOM CAA-HAP WHMIS 1 RQ SARA 313 RSMSREST
BUTYL BENZYL PHTHALATE	85-68-7	1-5	WHMIS 1 RSMSREST

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ETHYL ACETATE	141-78-6	1-5	RQ HAZCOM RQ WHMIS 1
TITANIUM DIOXIDE	13463-67-7	1-5	HAZCOM

### 3. Hazards Identification

EXTREMELY FLAMMABLE

**Health:**

Aspiration hazard if swallowed; can enter lungs and cause damage. This product is irritating to the eyes, respiratory system and skin. Overexposure may cause central nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

**Physical and Chemical Hazards:**

Contents under pressure.

**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.

**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.

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**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:** Fire and Explosion hazards are DANGEROUS when this material is exposed to heat or flame.  
Due to pressure buildup, closed containers exposed to excess heat may explode.  
Vapors may form explosive mixture with air.

**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.

**Environmental Precautions:** No available information.

**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:** Do not breathe gas/fumes/vapor/spray.  
Do not puncture or incinerate container.  
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.

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**8. Exposure Controls/Personal Protection**

**Engineering Measures:** Use local exhaust.

**Exposure Limits:**

Chemical Name	TWA	STEL/C	References
ETHYL ALCOHOL	1000(ppm)		ACGIH
ACETONE	1000(ppm) 500(ppm)	1900(ppm) 750(ppm)	OSHA ACGIH
PROPANE	1000(ppm) 1000(ppm)	2400(ppm)	OSHA ACGIH
METHYL ETHYL KETONE	1000(ppm) 200(ppm)	1800(ppm)	OSHA ACGIH
N-BUTANE	200(ppm) 1000(ppm)	590(ppm)	OSHA ACGIH
TOLUENE	50(ppm)		OSHA ACGIH
ETHYL ACETATE	200(ppm) C 300(mg/m <sup>3</sup> ) 400(ppm)		OSHA ACGIH
TITANIUM DIOXIDE	400(ppm) 10(mg/m <sup>3</sup> )	1400(ppm)	OSHA ACGIH
		15(ppm)	OSHA

**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.

**Hand Protection:**

None required for normal application of aerosol products where minimal skin contact is expected. For long or repeated contact, wear chemical resistant gloves such as nitrile gloves.

**Eye Protection:**

Wear safety glasses with side shields.

**Skin and Body Protection:**

Remove contaminated clothing and wash before reuse.

**Hygiene Measures:**

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

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**9. Physical and Chemical Properties**

**Specific Gravity:** 0.78  
**Physical State:** AEROSOL  
**Form:** AEROSOL  
**Odor:** N.AV  
**Color:** VARIOUS  
**pH:** N.AV

**Temperature Range During which Changes in Physical State Occur:**

**Boiling Point:** -17.778/+172.222 °C (0/342 F)  
**Flash Point:** -4 °C TCC

**Explosion Properties:**

**UEL:** 19 %  
**LEL:** 1 %  
**Vapor Density:** >1 (AIR=1)  
**Solubility:** NA  
**Viscosity:** N.AV  
**Evaporation Rate:** >1 Ether = 1

**10. Stability and Reactivity**

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

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, and other low molecular weight hydrocarbons.

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64-17-5 ETHYL ALCOHOL  
Inhalation, adult rat, LC50 = 20000 ppm (10 Hours)  
106-97-8 N-BUTANE  
Inhalation, adult rat, LC50 = 658 gm/m3 (4 Hours)  
108-88-3 TOLUENE  
Oral, adult rat, LD50 = 5000 mg/kg  
67-64-1 ACETONE  
Oral, adult rat, LD50 = 5800 mg/kg  
64-17-5 ETHYL ALCOHOL  
Oral, adult rat, LD50 = 7060 mg/kg  
85-68-7 BUTYL BENZYL PHTHALATE  
Oral, adult rat, LD50 = 2330 mg/kg  
108-88-3 TOLUENE  
Inhalation, mouse, LC50 = 5320 ppm (8 Hours)  
108-88-3 TOLUENE  
Skin, adult rabbit, LD50 = 12124 mg/kg  
141-78-6 ETHYL ACETATE  
Oral, adult rat, LD50 = 5620 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  
141-78-6 ETHYL ACETATE  
Inhalation, adult rat, LC50 = 1600 ppm (8 Hours)  
78-93-3 METHYL ETHYL KETONE  
Skin, adult rabbit, LD50 = 13 gm/kg  
67-64-1 ACETONE  
Skin, adult rabbit, LD50 = 20 gm/kg

**Inhalation:**

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.

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### 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. In a two year study, IARC indicates that lung tumors were observed in rats that had inhaled TITANIUM DIOXIDE dust at 250 mg/m<sup>3</sup>. This level is 25 times the current occupational exposure level (10 mg/m<sup>3</sup>) and is not expected to be attainable in the workplace. 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.

## 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:

Do not crush, puncture or incinerate spent containers. Large numbers or aerosol containers may require handling as a hazardous waste. Consult local, provincial, and federal agencies for the proper disposal method in your area.

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### 14. Transport Information

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

Proper Shipping Name: CONSUMER COMMODITY

Hazard Class / Division: ORM-D

Reportable Quantity (per packaging):

CAS	RQ	Name
141-78-6	>100000	ETHYL ACETATE
67-64-1	13123	ACETONE
108-88-3	12500	TOLUENE
85-68-7	7519	BUTYL BENZYL PHTHALATE
78-93-3	81967	METHYL ETHYL KETONE

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

Proper Shipping Name: CONSUMER COMMODITY

UN Number:

Hazard Class / Division: NONE

Packing Group:

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

Proper Shipping Name: AEROSOLES

UN Number: UN1950

Hazard Class/Division: 2.1

Label: FLAMMABLE GAS

#### International and Domestic Air Transportation - ICAO & IATA Section 4.2

Proper Shipping Name: AEROSOLS, FLAMMABLE

UN Number: UN1950

Hazard Class/Division: 2.1

Label: FLAMMABLE GAS

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### International Water Transportation - IMDG Code Amendment 31-02

Proper Shipping Name: AEROSOLS  
UN Number: UN1950  
Hazard Class/Division: 2.1  
Ems Number: 2-13  
Label: FLAMMABLE GAS

### 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.

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 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

#### Preparation Information:

The chemical identification and properties for this material were provided by the manufacturer. For Canadian locations, a manufacturer's MSDS is available upon request. 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.

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**Attachment**

<b>Product Code</b>	<b>Container Size</b>	<b>Part of Kit</b>	<b>Kit Product Code</b>
M4JZ-19M547-XXXXH (Obsolete)	13 oz.		
4W3Z-19A274-AA (Obsolete)	1 Assortment Kit		
4W7Z-19A274-AA (Obsolete)	1 Assortment Kit		