3M

# Material Safety Data Sheet



## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** 3M™ Rubberized Undercoating, PN08883
**MANUFACTURER:** 3M
**DIVISION:** Automotive Aftermarket

**ADDRESS:** 3M Center, St. Paul, MN 55144-1000

**EMERGENCY PHONE: 1-800-364-3577 or (651) 737-6501 (24 hours)**

**Issue Date:** 05/10/11
**Supercedes Date:** 09/01/10

**Document Group:** 27-4303-7

**Product Use:**
Intended Use: Automotive

## SECTION 2: INGREDIENTS

| Ingredient | C.A.S. No: | % by Wt |
|---|---|---|
| TOLUENE | 108-88-3 | 10 - 30 |
| TALC | 14807-96-6 | 10 - 30 |
| METHYL ACETATE | 79-20-9 | 10 - 30 |
| PROPANE | 74-98-6 | 7 - 13 |
| ASPHALT | 8052-42-4 | 7 - 13 |
| ALPHA-METHYLSTYRENE-ISOAMYLENE-PIPERYLENE POLYMER | 62258-49-5 | 5 - 10 |
| SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC | 64742-89-8 | 5 - 10 |
| BUTADIENE-STYRENE-META-DIVINYLBENZENE POLYMER | 26471-45-4 | 3 - 7 |
| DIMETHYL ETHER | 115-10-6 | 1 - 5 |
| CARBON BLACK | 1333-86-4 | 0.5 - 1.5 |
| STYRENE-BUTADIENE POLYMER | 9003-55-8 | 0.5 - 1.5 |
| METHYL ALCOHOL | 67-56-1 | < 1 |
| NAPHTHALENE | 91-20-3 | < 0.1 |
| ETHYLBENZENE | 100-41-4 | <= 0.05 |
| BENZENE | 71-43-2 | <= 0.05 |
| 2,6-DI-TERT-BUTYL-P-CRESOL | 128-37-0 | <= 0.05 |

## SECTION 3: HAZARDS IDENTIFICATION

## 3.1 EMERGENCY OVERVIEW

**Specific Physical Form:** Aerosol
**Odor, Color, Grade:** Black; Solvent odor
**General Physical Form:** Liquid In aerosol container
**Immediate health, physical, and environmental hazards:** Flammable liquefied gas. Closed containers exposed to heat from fire may build pressure and explode. Extremely flammable liquid and vapor. Vapors may travel long distances along the ground or floor to an ignition source and flash back. May cause target organ effects. Contains a chemical or chemicals which can cause birth defects or other reproductive harm. May cause genotoxic or mutagenic effects. Contains a chemical or chemicals which can cause cancer.

## 3.2 POTENTIAL HEALTH EFFECTS

**Eye Contact:**
Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

**Skin Contact:**
Moderate Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, and dryness.

**Inhalation:**
Intentional concentration and inhalation may be harmful or fatal.

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Single exposure, above recommended guidelines, may cause:
Cardiac Sensitization: Signs/symptoms may include irregular heartbeat (arrhythmia), faintness, chest pain, and may be fatal.

Prolonged or repeated exposure may cause:
Respiratory Effects: Signs/symptoms may include cough, shortness of breath, chest tightness, wheezing, increased heart rate, bluish colored skin (cyanosis), sputum production, changes in lung function tests, and/or respiratory failure.

May be absorbed following inhalation and cause target organ effects.

**Ingestion:**
Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

May be absorbed following ingestion and cause target organ effects.

**Target Organ Effects:**
Central Nervous System (CNS) Depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness.

Prolonged or repeated exposure may cause:
Neurological Effects: Signs/symptoms may include personality changes, lack of coordination, sensory loss, tingling or numbness of the extremities, weakness, tremors, and/or changes in blood pressure and heart rate.

Ocular Effects: Signs/symptoms may include blurred or significantly impaired vision.

Auditory Effects: Signs/symptoms may include hearing impairment, balance dysfunction and ringing in the ears.

Olfactory Effects: Signs/symptoms may include decreased ability to detect odors and/or complete loss of smell.

Genotoxicity and Mutagenicity: May interact with genetic material and possibly alter gene expression.

Contains a chemical or chemicals which can cause birth defects or other reproductive harm.

**Carcinogenicity:**
Contains a chemical or chemicals which can cause cancer.

| Ingredient | C.A.S. No. | Class Description | Regulation |
|---|---|---|---|
| ASPHALT | 8052-42-4 | Grp. 2B: Possible human carc. | International Agency for Research on Cancer |
| BENZENE | 71-43-2 | Grp. 1: Carcinogenic to humans | International Agency for Research on Cancer |
| BENZENE | 71-43-2 | Known human carcinogen | National Toxicology Program Carcinogens |
| BENZENE | 71-43-2 | Cancer hazard | OSHA Carcinogens |
| CARBON BLACK | 1333-86-4 | Grp. 2B: Possible human carc. | International Agency for Research on Cancer |
| ETHYLBENZENE | 100-41-4 | Grp. 2B: Possible human carc. | International Agency for Research on Cancer |
| NAPHTHALENE | 91-20-3 | Grp. 2B: Possible human carc. | International Agency for Research on Cancer |
| NAPHTHALENE | 91-20-3 | Anticipated human carcinogen | National Toxicology Program Carcinogens |

# SECTION 4: FIRST AID MEASURES

## 4.1 FIRST AID PROCEDURES

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

**Eye Contact:** Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.
**Skin Contact:** Remove contaminated clothing and shoes. Immediately flush skin with large amounts of water. Get medical attention. Wash contaminated clothing and clean shoes before reuse.
**Inhalation:** Remove person to fresh air. Get immediate medical attention.
**If Swallowed:** Do not induce vomiting unless instructed to do so by medical personnel. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.

## 4.2 NOTE TO PHYSICIANS

Exposure may increase myocardial irritability. Do not administer sympathomimetic drugs unless absolutely necessary.

# SECTION 5: FIRE FIGHTING MEASURES

## 5.1 FLAMMABLE PROPERTIES

| | |
|---|---|
| **Autoignition temperature** | >=263 °C [*Details:* literature value] |
| **Flash Point** | 39.2 °F [*Test Method:* Pensky-Martens Closed Cup] |
| **Flammable Limits(LEL)** | *No Data Available* |
| **Flammable Limits(UEL)** | *No Data Available* |

## 5.2 EXTINGUISHING MEDIA

Use fire extinguishers with class B extinguishing agents (e.g., dry chemical, carbon dioxide).

## 5.3 PROTECTION OF FIRE FIGHTERS

**Special Fire Fighting Procedures:** Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

**Unusual Fire and Explosion Hazards:** Flammable liquefied gas. Closed containers exposed to heat from fire may build pressure

and explode. Extremely flammable liquid and vapor. Vapors may travel long distances along the ground or floor to an ignition source and flash back.

**Note: See STABILITY AND REACTIVITY (SECTION 10) for hazardous combustion and thermal decomposition information.**

# SECTION 6: ACCIDENTAL RELEASE MEASURES

**6.1. Personal precautions, protective equipment and emergency procedures**
If possible, seal leaking container. Place leaking containers in a well-ventilated area, preferably an operating exhaust hood, or if necessary outdoors on an impermeable surface until appropriate packaging for the leaking container or its contents is available.

Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. Remove all ignition sources such as flames, smoking materials, and electrical spark sources. Use only non-sparking tools. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode. Remember, adding an absorbent material does not remove a toxic, corrosivity or flammability hazard.

**6.2. Environmental precautions**
For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. Place in a metal container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

**Clean-up methods**
Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Call 3M-HELPS line (1-800-364-3577) for more information on handling and managing the spill. Contain spill. Cover spill area with a fire-extinguishing foam. An aqueous film forming foam (AFFF) is recommended. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Collect as much of the spilled material as possible using non-sparking tools. Clean up residue with an appropriate solvent selected by a qualified and authorized person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and MSDS. Seal the container.

**In the event of a release of this material, the user should determine if the release qualifies as reportable according to local, state, and federal regulations.**

# SECTION 7: HANDLING AND STORAGE

## 7.1 HANDLING
Keep away from heat, sparks, open flame, pilot lights and other sources of ignition. Ground containers securely when transferring contents. Wear low static or properly grounded shoes. Do not spray near flames or sources of ignition. Avoid breathing of vapors, mists or spray. Avoid skin contact. Avoid static discharge. Avoid eye contact with vapors, mists, or spray. Avoid contact with oxidizing agents.

## 7.2 STORAGE
Store away from acids. Store away from heat. Store out of direct sunlight.

# SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

## 8.1 ENGINEERING CONTROLS
Do not use in a confined area or areas with little or no air movement. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits and/or control mist, vapor, or spray. If ventilation is not adequate, use respiratory protection equipment. If exhaust ventilation is not available, use appropriate respiratory protection.

## 8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

### 8.2.1 Eye/Face Protection

Avoid eye contact with vapors, mists, or spray.
The following eye protection(s) are recommended: Safety Glasses with side shields
Indirect Vented Goggles
.

### 8.2.2 Skin Protection

Avoid skin contact.

Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials.
Gloves made from the following material(s) are recommended: Fluoroelastomer
Nitrile Rubber
.

### 8.2.3 Respiratory Protection

Avoid breathing of vapors, mists or spray.
Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: Half facepiece air-purifying respirator with organic vapor/acid gas cartridges
Half facepiece or fullface air-purifying respirator with organic vapor cartridges and P100 particulate prefilters
. Select and use respiratory protection to prevent an inhalation exposure based on the results of an exposure assessment. Consult with your respirator manufacturer for selection of appropriate types of respirators.

### 8.2.4 Prevention of Swallowing

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Do not ingest.

## 8.3 EXPOSURE GUIDELINES

| Ingredient | Authority | Type | Limit | Additional Information |
|---|---|---|---|---|
| 2,6-DI-TERT-BUTYL-P-CRESOL | ACGIH | TWA, inhalable fraction and vapor | 2 mg/m3 | |
| ASPHALT | ACGIH | TWA, as benzene solubles, inhalable fraction | 0.5 mg/m3 | |
| BENZENE | ACGIH | TWA | 0.5 ppm | Skin Notation* |
| BENZENE | ACGIH | STEL | 2.5 ppm | Skin Notation* |
| BENZENE | OSHA | TWA | 1 ppm | 29 CFR 1910.1028 |
| BENZENE | OSHA | STEL | 5 ppm | 29 CFR 1910.1028 |
| BENZENE | OSHA | TWA | 10 ppm | |
| BENZENE | OSHA | CEIL | 25 ppm | |
| CARBON BLACK | ACGIH | TWA | 3.5 mg/m3 | |
| CARBON BLACK | CMRG | TWA | 0.5 mg/m3 | |
| CARBON BLACK | OSHA | TWA | 3.5 mg/m3 | |
| DIMETHYL ETHER | AIHA | TWA | 1880 mg/m3 | |
| DIMETHYL ETHER | CMRG | TWA | 1000 ppm | |
| ETHYLBENZENE | ACGIH | TWA | 100 ppm | |
| ETHYLBENZENE | ACGIH | STEL | 125 ppm | |
| ETHYLBENZENE | CMRG | TWA | 25 ppm | |
| ETHYLBENZENE | CMRG | STEL | 75 ppm | |
| ETHYLBENZENE | OSHA | TWA | 435 mg/m3 | |
| METHYL ACETATE | ACGIH | TWA | 200 ppm | |
| METHYL ACETATE | ACGIH | STEL | 250 ppm | |
| METHYL ACETATE | OSHA | TWA | 610 mg/m3 | |
| METHYL ALCOHOL | ACGIH | TWA | 200 ppm | Skin Notation* |

| | | | | |
|---|---|---|---|---|
| METHYL ALCOHOL | ACGIH | STEL | 250 ppm | Skin Notation* |
| METHYL ALCOHOL | OSHA | TWA | 260 mg/m3 | |
| NAPHTHALENE | ACGIH | TWA | 10 ppm | Skin Notation* |
| NAPHTHALENE | ACGIH | STEL | 15 ppm | Skin Notation* |
| NAPHTHALENE | OSHA | TWA | 50 mg/m3 | |
| PROPANE | OSHA | TWA | 1800 mg/m3 | |
| SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC | CMRG | TWA | 300 ppm | |
| TALC | ACGIH | TWA, respirable fraction | 2 mg/m3 | |
| TALC | CMRG | TWA, as respirable dust | 0.5 mg/m3 | |
| TALC | OSHA | TWA concentration, respirable | 0.1 mg/m3 | |
| TALC | OSHA | TWA concentration, as total dust | 0.3 mg/m3 | |
| TALC | OSHA | TWA | 20 millions of particles/cu. ft. | |
| TOLUENE | ACGIH | TWA | 20 ppm | |
| TOLUENE | CMRG | STEL | 75 ppm | Skin Notation* |
| TOLUENE | OSHA | TWA | 200 ppm | |
| TOLUENE | OSHA | CEIL | 300 ppm | |

* Substance(s) refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

SOURCE OF EXPOSURE LIMIT DATA:
ACGIH: American Conference of Governmental Industrial Hygienists
CMRG: Chemical Manufacturer Recommended Guideline
OSHA: Occupational Safety and Health Administration
AIHA: American Industrial Hygiene Association Workplace Environmental Exposure Level (WEEL)

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| **Specific Physical Form:** | Aerosol |
| **Odor, Color, Grade:** | Black; Solvent odor |
| **General Physical Form:** | Liquid In aerosol container |
| **Autoignition temperature** | >=263 °C [*Details:* literature value] |
| **Flash Point** | 39.2 °F [*Test Method:* Pensky-Martens Closed Cup] |
| **Flammable Limits(LEL)** | *No Data Available* |
| **Flammable Limits(UEL)** | *No Data Available* |
| **Density** | 1.08 g/ml |
| **Vapor Density** | *No Data Available* |
| **Vapor Pressure** | *No Data Available* |
| **Specific Gravity** | 1.08 [*Ref Std:* WATER=1] |
| **pH** | *Not Applicable* |
| **Melting point** | *Not Applicable* |
| **Solubility in Water** | Nil |
| **Evaporation rate** | *No Data Available* |
| **Hazardous Air Pollutants** | 16.8 % weight [*Test Method:* Calculated] |
| **Volatile Organic Compounds** | 39.6 % weight [*Test Method:* calculated per CARB title 2] |
| **Volatile Organic Compounds** | 427 g/l [*Test Method:* calculated SCAQMD rule 443.1] |
| **Kow - Oct/Water partition coef** | *No Data Available* |

| | |
|---|---|
| **Percent volatile** | 48.4 % weight |
| **VOC Less H2O & Exempt Solvents** | 534 g/l [*Test Method:* calculated SCAQMD rule 443.1] |
| **Viscosity** | 7,500 centipoise |
| **Conditions to avoid** | Heat |
| **Materials to avoid** | Reducing agents |
| **Materials to avoid** | Strong oxidizing agents |

## SECTION 10: STABILITY AND REACTIVITY

**Stability:** Stable.

**Materials and Conditions to Avoid:**
**10.1 Conditions to avoid**
Heat
Sparks and/or flames

**10.2 Materials to avoid**
Reducing agents
Strong oxidizing agents

**Hazardous Polymerization:** Hazardous polymerization will not occur.

### Hazardous Decomposition or By-Products

| Substance | Condition |
|---|---|
| Carbon monoxide | Not Specified |
| Carbon dioxide | Not Specified |
| Hydrogen Sulfide | Not Specified |
| Oxides of Sulfur | Not Specified |

## SECTION 11: TOXICOLOGICAL INFORMATION

Please contact the address listed on the first page of the MSDS for Toxicological Information on this material and/or its components.

## SECTION 12: ECOLOGICAL INFORMATION

### ECOTOXICOLOGICAL INFORMATION

Not determined.

### CHEMICAL FATE INFORMATION

Not determined.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Dispose of waste product in a permitted hazardous waste facility.
Facility must be capable of handling aerosol cans. Dispose of empty product containers in a sanitary landfill.

**EPA Hazardous Waste Number (RCRA):** D001 (Ignitable), D018 (Benzene)

**Since regulations vary, consult applicable regulations or authorities before disposal.**

## SECTION 14:TRANSPORT INFORMATION

**ID Number(s):**
60-4550-5115-5

**For Transport Information, please visit http://3M.com/Transportinfo or call 1-800-364-3577 or 651-737-6501.**

## SECTION 15: REGULATORY INFORMATION

### US FEDERAL REGULATIONS
Contact 3M for more information.

**311/312 Hazard Categories:**
Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No Immediate Hazard - Yes Delayed Hazard - Yes

**Section 313 Toxic Chemicals subject to the reporting requirements of that section and 40 CFR part 372 (EPCRA):**

| Ingredient | C.A.S. No | % by Wt |
|---|---|---|
| TOLUENE | 108-88-3 | 10 - 30 |

**This material contains a chemical which requires export notification under TSCA Section 12[b]:**

| Ingredient (Category if applicable) | C.A.S. No | Regulation | Status |
|---|---|---|---|
| NAPHTHALENE | 91-20-3 | Toxic Substances Control Act (TSCA) 4 Test Rule Chemicals | Applicable |

### STATE REGULATIONS
Contact 3M for more information.

**CALIFORNIA PROPOSITION 65**

| Ingredient | C.A.S. No. | Classification |
|---|---|---|
| BITUMENS, EXTRACTS OF STEAM-REFINED AND AIR-REFINED | SEQ653 | **Carcinogen |
| BENZENE | 71-43-2 | *Male reproductive toxin |
| BENZENE | 71-43-2 | **Carcinogen |
| BENZENE | 71-43-2 | *Developmental Toxin |
| CARBON BLACK | 1333-86-4 | **Carcinogen |
| ETHYLBENZENE | 100-41-4 | **Carcinogen |
| NAPHTHALENE | 91-20-3 | **Carcinogen |
| TOLUENE | 108-88-3 | *Female reproductive toxin |
| TOLUENE | 108-88-3 | *Developmental Toxin |

* WARNING: contains a chemical or chemicals which can cause birth defects or other reproductive harm.
** WARNING: contains a chemical which can cause cancer.

### CHEMICAL INVENTORIES
The components of this product are in compliance with the chemical notification requirements of TSCA.

Contact 3M for more information.

## INTERNATIONAL REGULATIONS

Contact 3M for more information.

**WHMIS:** Hazardous

**This MSDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.**

# SECTION 16: OTHER INFORMATION

**NFPA Hazard Classification**

**Health:** 2 **Flammability:** 3 **Reactivity:** 0 **Special Hazards:** None
**Aerosol Storage Code:** 2

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

Revision Changes:
Section 16: Disclaimer (second paragraph) was modified.
Section 8: Skin protection - recommended gloves information was modified.
Section 5: Flammable limits (UE) information was modified.
Section 5: Flammable limits (LEL) information was modified.
Section 9: Property description for optional properties was modified.
Section 8: Respiratory protection - recommended respirators guide was modified.
Section 9: Flammable limits (LEL) information was modified.
Section 9: Flammable limits (UEL) information was modified.
Section 2: Ingredient table was modified.
Section 15: TSCA section 12[b] information was modified.
Section 15: California proposition 65 ingredient information was modified.
Section 6: 6.2. Environmental precautions heading was modified.
Section 6: 6.1. Personal precautions, protective equipment and emergency procedures heading was modified.
Section 16: Web address was added.
Section 1: Address was added.
Copyright was added.
Company logo was added.
Telephone header was added.
Company Telephone was added.
Section 1: Emergency phone information was added.
Section 1: Emergency phone information was deleted.
Company Logo was deleted.
Copyright was deleted.
Section 16: Web address heading was deleted.
Section 1: Address line 1 was deleted.
Section 1: Address line 2 was deleted.

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particular purpose and suitable for user's method of use or application.

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