

# MATERIAL SAFETY DATA SHEET

THOMAS & BETTS CORPORATION, 8155 T & B BOULEVARD, MEMPHIS, TENNESSEE 38125

T & B CATALOG NUMBERS: PATCHP-G, PATCHG-G

PAGE: 1 OF 4

REVISION: 0

PRODUCT DESCRIPTION: CORROSION PROTECTION FOR  
ELECTRICAL CONDUIT AND  
FITTINGS - GRAY

DATE PREPARED: May 19, 2008

DOCUMENT NUMBER: **MSDS-0177**

## SECTION 1 PRODUCT IDENTIFICATION & EMERGENCY INFORMATION

PRODUCT NAME: OCAL TOUCH-UP COMPOUND - GRAY  
GENERAL USE: TOUCH-UP PATCHING MATERIAL FOR CONDUIT AND ACCESSORIES.  
PRODUCT DESCRIPTION: CORROSION PROTECTION FOR ELECTRICAL CONDUIT AND FITTINGS.  
GENERIC INGREDIENTS:

**24 HR EMERGENCY TELEPHONE NUMBERS: CHEMTREC (703) 527-3887 / 800-424-9300**

FOR PRODUCT INFORMATION: THOMAS & BETTS; 901-252-5000 (ext. 8324)

## SECTION 2 HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	CAS #	% BY WT	ACGIH TLV	ACGIH TLV-C	ACGIH STEL	OSHA PEL	OSHA STEL
CARBON BLACK	1333-86-4	1 - 5	3.5 mg/m <sup>3</sup>	N/A	N/A	3.5 mg/m <sup>3</sup>	N/A
TITANIUM DIOXIDE	13463-67-7	1 - 5	10 mg/m <sup>3</sup>	N/A	N/A	10 mg/m <sup>3</sup>	N/A
BENZYL ALCOHOL	100-51-6	1 - 5	N/A	N/A	N/A	N/A	N/A
ACRYLIC POLYMER	9003-01-4	50 - 75	N/A	N/A	N/A	N/A	N/A
WATER AND OTHER NON-HAZARDOUS INGREDIENTS		10 - 20	N/A	N/A	N/A	N/A	N/A

## SECTION 3 HEALTH INFORMATION & PROTECTION

### CARCINOGENICITY

NTP: NO  
IARC MONOGRAPHS: NO  
OSHA REGULATED: NO

### ROUTES OF ENTRY

EYES:  
INGESTION: YES  
INHALATION:  
SKIN: YES

### EMERGENCY OVERVIEW

CAUSES EYE IRRITATION. MAY CAUSE SLIGHT SKIN IRRITATION. MAY BE HARMFUL IF SWALLOWED. THIS PRODUCT IS NOT EXPECTED TO PRESENT ANY UNUSUAL HAZARDS UNDER FIRE OR SPILLS CONDITIONS.

### HEALTH HAZARDS

**ACUTE:** MAY BE HARMFUL IF SWALLOWED. MAY CAUSE SLIGHT SKIN IRRITATION. CAUSES EYE IRRITATION.  
**CHRONIC:** AVOID LONG TERM AND REPEATED CONTACT. THIS PRODUCT CONTAINS TITANIUM DIOXIDE. ANIMALS INHALING MASSIVE QUANTITIES OF TITANIUM DUST IN A LONG-TERM STUDY DEVELOPED LUNG TUMORS. TITANIUM DIOXIDE DUST EXPOSURE WITH THIS COATING DOES NOT EXIST. POTENTIAL FOR INHALATION OF TITANIUM DIOXIDE DUSTS FROM COATING IS VERY UNLIKELY. THIS PRODUCT CONTAINS CARBON BLACK, WHICH HAS BEEN RATED AN IARC 2B CARCINOGEN DUE TO ANIMAL DATA.

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**EYES:** EYE WATERING, REDNESS, ITCHING, BURNING SENSATION AND VISUAL DISTURBANCES.  
**INGESTION:** MAY BE HARMFUL IF SWALLOWED.  
**INHALATION:** DUE TO PRODUCT TYPE, INHALATION IS EXTREMELY UNLIKELY.  
**SKIN:** DRYNESS, ITCHING, CRACKING, BURNING, REDNESS AND SWELLING. MAYBE HARMFUL IF ABSORBED THROUGH SKIN.

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### POTENTIAL HEALTH EFFECTS

**EYE CONTACT:** CAUSES MODERATE EYE IRRITATION.  
**INGESTION:** MAY BE HARMFUL IF SWALLOWED..  
**INHALATION:** NOT LIKELY.  
**SKIN CONTACT:** MAY CAUSE SKIN IRRITATION. MAYBE HARMFUL IF ABSORBED THROUGH SKIN.

### FIRST AID MEASURES

**EYE CONTACT:** REMOVE CONTACT LENS, IF WORN, AND RINSE THE AFFECTED EYE IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES RETRACTING EYELIDS OFTEN. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.  
**INGESTION:** GENTLY WIPE OR RINSE THE INSIDE OF THE MOUTH WITH WATER. SIPS OF WATER MAY BE GIVEN. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. SEEK MEDICAL ATTENTION.  
**INHALATION:** REMOVE FROM AREA TO FRESH AIR. IF SYMPTOMATIC, SEEK MEDICAL ATTENTION IMMEDIATELY.  
**SKIN CONTACT:** WASH EXPOSED SKIN AREAS WITH SOAP AND WATER. IF REDNESS OR IRRITATION PERSISTS, SEEK MEDICAL ATTENTION IMMEDIATELY.

### MEDICAL CONDITION GENERALLY AGGRAVATED BY EXPOSURE

NOT APPLICABLE

### WORKPLACE EXPOSURE CONTROLS

NONE REQUIRED

### ENGINEERING / VENTILATION CONTROLS

PROVIDE GENERAL DILUTION OR LOCAL EXHAUST VENTILATION TO KEEP THE CONCENTRATION OF INGREDIENTS LISTED IN SECTION 2 BELOW EXPOSURE LIMITS, THE LEL BELOW THE STATED LIMIT.

### PERSONAL PROTECTION

**EYE PROTECTION:** WEAR SAFETY GLASSES WITH SIDE SHIELDS WHEN HANDLING THIS PRODUCT. WHEN THE POSSIBILITY EXISTS FOR EYE CONTACT WITH SPLASHING, WEAR ADDITIONAL EYE PROTECTION SUCH AS CHEMICAL GOGGLES AND/OR FACE SHIELD. DO NOT WEAR CONTACT LENSES. HAVE AN EYE WASH STATION AVAILABLE.  
**HAND PROTECTION:** WEAR PROTECTIVE NON-PERMEABLE GLOVES. INSPECT GLOVES FOR CHEMICAL BREAK-THROUGH AND REPLACE AT REGULAR INTERVALS.  
**RESPIRATORY PROTECTION:** ANY VAPOR EXPOSURE MAY BE PREVENTED BY ENSURING PROPER VENTILATION CONTROLS.  
**SKIN PROTECTION:** WEAR PROTECTIVE CLOTHING. RECOMMENDATIONS FOR SKIN PROTECTION ARE BASED ON IN FREQUENT CONTACT WITH THIS PRODUCT

## SECTION 4 FIRE & EXPLOSION HAZARDS

**EXPLOSION DATA:** N/A  
**EXPLOSIVE PROPERTY:** LEL: N/E UEL: N/E  
**EXTINGUISHING MEDIA:** USE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) CLASS B EXTINGUISHERS (CARBON DIOXIDE, DRY CHEMICAL OR UNIVERSAL AQUEOUS FILM FORMING FOAM) DESIGNED TO EXTINGUISH COMBUSTIBLE LIQUID FIRES.  
**FIRE FIGHTING:** FIREFIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING.  
**HAZARDOUS COMBUSTION PRODUCTS:** MAY PRODUCE THE FOLLOWING HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE, CARBON DIOXIDE, ACRYLIC MONOMER, NITROGEN, HYDROGEN CHLORIDE, AND TOXIC GASES.  
**UNUSUAL FIRE OR EXPLOSION HAZARDS:** CLOSED CONTAINERS MAY EXPLODE OR BURST (DUE TO THE BUILD-UP OF STEAM PRESSURE) WHEN EXPOSED TO EXTREME HEAT OR FIRE.

## SECTION 5 SPILL CONTROL MEASURES

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**CONTAINMENT PROCEDURES:** PROVIDE SUFFICIENT VENTILATION. ONLY PERSONNEL EQUIPPED WITH PERSONAL PROTECTIVE EQUIPMENT SHOULD BE PERMITTED IN THE AREA. REMOVE ALL SOURCES OF IGNITION. TAKE UP SPILLED MATERIAL WITH SAND, VERMICULITE OR OTHER NONCOMBUSTIBLE ABSORBENT MATERIAL AND PLACE IN A CLEAN, EMPTY CONTAINER FOR DISPOSAL. ONLY THE SPILL MATERIAL AND ABSORBENT BE PLACED IN THIS CONTAINER.

**DISPOSAL:** DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS. EMPTY CONTAINERS SHOULD BE RECYCLED OR DISPOSED OF THROUGH AN APPROVED WASTE MANAGEMENT FACILITY.

### SECTION 6 HANDLING & STORAGE

**HANDLING PROCEDURES:** WASH HANDS THOROUGHLY AFTER HANDLING.

**STORAGE PROCEDURES:** PROTECT FROM FREEZING. STORE IN A CLEAN AREA WITH AMBIENT TEMPERATURE.

### SECTION 7 TYPICAL PHYSICAL & CHEMICAL PROPERTIES

<b>APPEARANCE:</b>	HEAVY GLOSSY FLUID	<b>AUTO-IGNITION TEMPERATURE:</b>	N/A
<b>BOILING POINT:</b>	212° F (100° C)	<b>COLOR:</b>	GRAY
<b>FLAMMABILITY:</b>	N/A	<b>EVAPORATION RATE</b>	
<b>ODOR:</b>	N/A	<b>(N-BUTYL ACETATE = 1):</b>	N/A
<b>PERCENT,</b>		<b>FREEZING POINT:</b>	32° F (0° C)
<b>PERCENT,</b>		<b>MELTING POINT:</b>	N/A
<b>VOLATILE BY VOLUME:</b>	N/A	<b>OXIDIZING PROPERTIES:</b>	N/A
<b>PH:</b>	N/A	<b>PERCENT,</b>	
<b>SOLUBILITY IN WATER</b>		<b>SOLIDS BY WEIGHT:</b>	N/A
<b>68° F (20° C):</b>	SOLUBLE	<b>SOLUBILITY IN</b>	
<b>SOFTENING POINT</b>		<b>ORGANIC SOLVENT:</b>	N/A
<b>(BASE METAL):</b>	N/A	<b>SPECIFIC GRAVITY (H<sub>2</sub>O = 1):</b>	1.29
<b>VAPOR DENSITY (AIR = 1):</b>	N/A	<b>VISCOSITY:</b>	> 100
<b>VAPOR PRESSURE (mm Hg):</b>	N/A	<b>VOC CONTENT (lbs / gal):</b>	N/A

### SECTION 8 REACTIVITY DATA

**CHEMICAL STABILITY:** STABLE

**CONDITIONS TO AVOID:** KEEP FROM FREEZING.

**INCOMPATIBLE MATERIALS:** AVOID CONTACT WITH STRONG OXIDANTS, ACIDS, REDUCING AGENTS, BASES, AND HALOGENS.

**HAZARDOUS**

**POLYMERIZATION:** WILL NOT OCCUR

### SECTION 9 REGULATORY INFORMATION

#### DEPARTMENT OF TRANSPORTATION (DOT)

**PROPER SHIPPING NAME:** NOT REGULATED GOODS

#### U.S. FEDERAL REGULATIONS

**TSCA:** ALL COMPONENTS OF THE PRODUCT ARE INCLUDED IN THE EPA TOXIC SUBSTANCES CONTROL ACT (TSCA) CHEMICAL SUBSTANCES INVENTORY.

**CERCLA:** THE PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS SUBSTANCE UNDER REGULATIONS OF THE COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (CERCLA), 40 CFR §302.

**RCRA HAZARD CLASS:** THE PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE UNDER THE RESOURCE CONSERVATION AND RECOVERY ACT, OR ITS REGULATIONS, 40 CFR §261 *et seq.*

**CLEAN AIR ACT:** THE PRODUCT IS NOT A PROCESSED WITH OR DOES NOT CONTAIN ANY CLASS I OR CLASS II OZONE DEPLETING SUBSTANCES.

#### SARA TITLE III INFORMATION

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**SECTION 302:** REQUIRES EMERGENCY PLANNING BASED ON *THRESHOLD PLANNING QUANTITIES* (TPQs), AND  
RELEASE REPORTING BASED ON *REPORTABLE QUANTITIES* (RQs) OF *EXTREME HAZARDOUS  
SUBSTANCES* (EHS) LISTED IN APPENDIX A CFR 355. NO COMPONENTS OF THIS PRODUCT ARE ON THE  
EHS LIST.

**SECTION 311 / 312:** THE FOLLOWING COMPONENTS OF THIS PRODUCT ARE SUBJECT TO THIS REQUIREMENT: NONE

**SECTION 313:** THIS PRODUCT CONTAINS CHEMICAL COMPONENTS SUBJECT TO SECTION 313 REPORTING: NONE

## STATE REGULATIONS / RIGHT-TO-KNOW

### CALIFORNIA PROPOSITION 65

**INFORMATION:** THIS PRODUCT CONTAINS THE FOLLOWING SUBSTANCE(s) KNOWN TO BE ON THE CA PROP. 65 LIST:

#### CHEMICAL NAME

#### CAS NO.

CARBON BLACK  
(AIRBORNE, UNBOUND PARTICLES OF  
RESPIRABLE SIZE)

1333-86-4

## INTERNATIONAL

**WHMIS (CANADA):** THIS PRODUCT CONTAINS THE FOLLOWING THE CHEMICAL(s) LISTED AS CONTROLLED SUBSTANCES:

#### CHEMICAL NAME

#### CAS NO.

CARBON BLACK  
TITANIUM DIOXIDE  
BENZYL ALCOHOL

1333-86-4  
13463-67-7  
100-51-6

**LABELS:** CANADIAN LABEL CLASSIFICATION REQUIRED ON CONTAINER(s): D2A, D2B, B3

## SECTION 10 NOTES

**TOXICOLOGICAL INFORMATION:** NONE

**ECOLOGICAL INFORMATION:** NO DATA AVAILABLE

### HAZARD RATING SYSTEM

	HMIS	NFPA	KEY
HEALTH	2	2	4 = SEVERE
FLAMMABILITY	0	0	3 = SERIOUS
REACTIVITY	0	0	2 = MODERATE
			1 = SLIGHT
			0 = MINIMAL

**REVISION SUMMARY** 0

**SUPERCEDES ISSUE DATE** N/A

## SECTION 11 OTHER INFORMATION

### ABBREVIATIONS

N/E = NOT ESTABLISHED

N/A = NOT AVAILABLE

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