

MATERIAL SAFETY DATA SHEET

1. PRODUCT and COMPANY INFORMATION

PRODUCT OCAL PATCH TOUCH UP COMPOUND
 CATALOG NUMBERS SPRAY-G
 MANUFACTURER / SUPPLIER THOMAS & BETTS CORPORATION
 ADDRESS 8155 T & B BOULEVARD, MEMPHIS, TENNESSEE 38125

EMERGENCY TELEPHONE NUMBER CHEMTREC: 800-424-9300
 TELEPHONE NUMBER FOR INFORMATION 901-252-5000 ext. 8324
 DATE OF REVISION or PREPARATION APRIL 15, 2009

2. COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	CAS #	% BY WT	ACGIH TLV	ACGIH TLV-C	ACGIH STEL	OSHA PEL	OSHA STEL
TOLUENE	108-88-3	30 - 40	50 ppm	N/A	150 ppm (565 mg/m ³)	200 ppm	N/A
METHYL ETHYL KETONE	78-93-3	20 - 30	200 ppm	N/A	300 ppm	200 ppm	N/A
PROPANE	74-98-6	14	2500 ppm	N/A	N/A	1000 ppm	N/A
BUTANE	106-97-8	6	1000 ppm	N/A	N/A	800 ppm	N/A
CARBON BLACK	1333-86-4	1 - 5	3.5 mg/m ³	N/A	N/A	3.5 mg/m ³	N/A
TITANIUM DIOXIDE	13463-67-7	1 - 3	10 mg/m ³	N/A	N/A	15 mg/m ³	N/A
NON-HAZARDOUS INGREDIENTS		28	N/A	N/A	N/A	N/A	N/A

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING! FLAMMABLE LIQUID AND VAPOR. VAPORS AND SPRAY MIST HARMFUL IF INHALED. MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS SUCH AS DIZZINESS, HEADACHE, OR NAUSEA. MAY CAUSE NOSE, THROAT, EYE AND SKIN IRRITATION. CAN BE ABSORBED THROUGH THE SKIN.

ROUTES OF EXPOSURE

SIGNS and SYMPTOMS

- EYES:** CAUSES EYE IRRITATION. MAY CAUSE SEVERE CORNEAL INJURY IF LIQUID COMES IN CONTACT WITH THE EYES.
- INGESTION:** MAY CAUSE STOMACH DISCOMFORT, NAUSEA, VOMITING, DIARRHEA AND CENTRAL NERVOUS SYSTEM (CNS) DEPRESSION.
- INHALATION:** HARMFUL IF INHALED. EXPOSURE TO HIGH CONCENTRATION OF VAPORS MAY CAUSE DIZZINESS, BREATHING DIFFICULTY, HEADACHES OR RESPIRATORY IRRITATION. EXTREMELY HIGH CONCENTRATIONS MAY CAUSE DROWSINESS, STAGGERING, CONFUSION, UNCONSCIOUSNESS, COMA OR DEATH.
- SKIN:** CAUSES SKIN IRRITATION. REPEATED OR PROLONGED CONTACT WITH THE SKIN CAN RESULT IN DEFATTING OF THE SKIN, WHICH MAY CAUSE IRRITATION AND ALLERGIC DERMATITIS (RASH).

4. FIRST AID MEASURES

ROUTES OF ENTRY

FIRST AID INSTRUCTIONS

- EYE CONTACT:** WASH IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.
- INGESTION:** SINCE THIS PRODUCT MAY CONTAIN MATERIALS WHICH CAN CAUSE LUNG DAMAGE IF ASPIRATED INTO THE LUNGS, THE DECISION WHETHER TO INDUCE VOMITING OR NOT MUST BE MADE BY A PHYSICIAN AFTER CAREFUL CONSIDERATION OF ALL MATERIALS INGESTED.
- INHALATION:** FOR INHALATION OVEREXPOSURE, MOVE PERSON TO FRESH AIR. IF BREATHING STOPS, APPLY ARTIFICIAL RESPIRATION AND SEEK MEDICAL ATTENTION.
- SKIN CONTACT:** WASH EXPOSED SKIN AREAS WITH SOAP AND WATER. IF REDNESS OR IRRITATION PERSISTS, SEEK MEDICAL ATTENTION. REMOVE CONTAMINATED CLOTHING. LAUNDRY CONTAMINATED CLOTHING BEFORE USE.

5. FIRE FIGHTING MEASURES

- EXPLOSION DATA:** N/A
- FLAMMABILITY:** LEL: 0.9 UEL: 7.0
- EXTINGUISHING MEDIA:** USE WATER FOG, DRY CHEMICAL, CARBON DIOXIDE OR CHEMICAL FOAM.
- GENERAL FIRE HAZARDS:**
- FLAMMABILITY CONDITIONS:** EXTREMELY FLAMMABLE AEROSOL. EXTREMELY FLAMMABLE LIQUID AND VAPOR. VAPORS MAY CAUSE FLASH FIRE OR EXPLOSION.
- FIRE FIGHTING:** KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, SPARKS AND OPEN FLAME. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. CONTENTS UNDER PRESSURE. DO NOT USE OR STORE NEAR SOURCES OF HEAT, SPARKS OR OPEN FLAMES. KEEP AWAY FROM ANY SOURCE OF HEAT SUCH AS SUNLIGHT, HEATERS OR STOVES THAT COULD CAUSE THE CONTAINERS TO BURST. PRODUCT VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL A LONG DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK.

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FULL PROTECTIVE EQUIPMENT INCLUDING SELF-CONTAINED BREATHING APPARATUS TO AVOID INHALATION OF VAPORS SHOULD BE USED. WATER SPRAY SHOULD NOT BE USED EXCEPT TO KEEP DOWN VAPORS OR TO COOL CLOSED CONTAINERS TO PREVENT BUILD-UP OF PRESSURE. IF WATER IS USED, FOG NOZZLES ARE PREFERRED.

FLASH POINT: 45° F (7.22 C) TCC

HAZARDOUS

COMBUSTION PRODUCTS: THERMAL DECOMPOSITION MAY PRODUCE CARBON DIOXIDE, CARBON MONOXIDE AND UNIDENTIFIABLE ORGANIC MATERIALS.

6. ACCIDENTAL RELEASE MEASURES

CONTAINMENT

PROCEDURES: REMOVE ALL SOURCES OF IGNITION. AVOID HEAT, SPARKS, FLAMES AND ANYTHING WHICH COULD CAUSE FIRE. VENTILATE AREA OF SPILL AND ADJACENT LOW LYING AREAS. AVOID BREATHING SOLVENT VAPORS

CLEAN-UP

PROCEDURES: REMOVE WITH INERT ABSORBENT MATERIALS AND NON-SPARKING TOOLS.

DISPOSAL: DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

7. HANDLING and STORAGE

HANDLING PROCEDURES: WASH HANDS THOROUGHLY AFTER HANDLING.

STORAGE

PROCEDURES: STORE IN A COOL DRY AREA WITH VENTILATION SUITABLE FOR STORING MATERIALS SHOWN IN SECTION 2. KEEP AWAY FROM HEAT, SPARKS AND FLAMES. STORE IN A COOL PLACE AWAY FROM DIRECT SUNLIGHT OR ANY SOURCES OF IGNITION. DO NOT STORE AT TEMPERATURES ABOVE 120° F (49° C).

8. EXPOSURE CONTROL / PERSONAL PROTECTION

EXPOSURE CONTROLS

WHERE VENTILATION IS INADEQUATE TO REMOVE VAPORS OR MIST GENERATED FROM THE USE OF THIS PRODUCT, THE USE OF A SUITABLE NIOSH/MSHA APPROVED RESPIRATOR SHOULD BE CONSIDERED.

PERSONAL PROTECTION

EYE PROTECTION: CHEMICAL GOGGLES WITH SIDE SHIELDS OR FACE SHIELD RECOMMENDED IF CONTACT WITH EYES IS LIKELY.

HAND PROTECTION: CHEMICAL RESISTANT PLASTIC OR RUBBER GLOVES RECOMMENDED FOR PROLONGED OR REPEATED CONTACT.

RESPIRATORY

PROTECTION: IF WORKPLACE EXPOSURE LIMITS ARE EXCEEDED FOR ANY COMPONENT (SEE SECTION 2 FOR HAZARDOUS COMPONENTS AND EXPOSURE LIMITS), A NIOSH/OSHA APPROVED RESPIRATOR SUITABLE FOR COMPONENTS LISTED IS RECOMMENDED.

SKIN PROTECTION: APPROPRIATE IMPERVIOUS CLOTHING IS RECOMMENDED IF PROLONGED OR REPEATED CONTACT IS LIKELY.

VENTILATION: SUFFICIENT VENTILATION, IN VOLUME AND PATTERN, SHOULD BE PROVIDED TO KEEP AIR CONTAMINATION BELOW CURRENT APPLICABLE OSHA PERMISSIBLE EXPOSURE LIMIT OR ACGIH TLV LIMIT.

9. PHYSICAL and CHEMICAL PROPERTIES

APPEARANCE: LIQUID OR LIQUEFIED COMPRESSED GAS.

AUTO-IGNITION N/A

BOILING POINT: 230° F - 300° F (110° C - 148.9° C)

TEMPERATURE:
COLOR: DARK GRAY

DENSITY (lbs/gal): N/A

FLAMMABILITY: N/A

EVAPORATION RATE (BUTYL ACETATE = 1): 2.1

ODOR: SOLVENT

MELTING POINT: N/A

PERCENT,

SOLIDS BY WEIGHT (%): N/A

PH: N/A

VOLATILE BY WEIGHT (%): N/A

PHYSICAL STATE: LIQUID

SOLUBILITY

IN WATER @ 68° F (20° C): NEGLIGIBLE

SPECIFIC GRAVITY (H₂O = 1): 1.0

VAPOR DENSITY

OF PRINCIPAL SOLVENT

(AIR = 1): 7.1

VAPOR PRESSURE OF PRINCIPAL SOLVENT: 23 @ 37.8° C

VISCOSITY: < SUS 50

VOC CONTENT (lbs / gal): 4.69

10. STABILITY and REACTIVITY

CHEMICAL STABILITY: STABLE UNDER NORMAL STORAGE CONDITIONS.

CONDITIONS TO AVOID: AVOID CONTACT WITH HEAT, SPARKS AND OPEN FLAME. PRODUCT MAY EXPLODE IF HEATED. KEEP COOL AND AVOID EXPOSURE TO HEAT.

INCOMPATIBLE

MATERIALS: STRONG OXIDIZER AGENTS SUCH AS CHLORINE, CONCENTRATED OXYGEN, ETC.

MATERIAL SAFETY DATA SHEET**HAZARDOUS
DECOMPOSITION
PRODUCTS:**

THERMAL DECOMPOSITION MAY PRODUCE CARBON DIOXIDE, CARBON MONOXIDE AND UNIDENTIFIABLE ORGANIC MATERIALS.

**HAZARDOUS
POLYMERIZATION:**

WILL NOT OCCUR UNDER NORMAL CONDITIONS.

11. TOXICOLOGICAL INFORMATION**TOXICOLOGICAL
INFORMATION**

NONE

CARCINOGENICITY

NTP: NO

IARC MONOGRAPHS:

OSHA REGULATED: NO

ACUTE: VAPORS AND SPRAY MIST HARMFUL IF INHALED. MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS SUCH AS DIZZINESS, HEADACHES OR NAUSEA. MAY CAUSE NOSE, THROAT, EYE AND SKIN IRRITATION. CAN BE ABSORBED THROUGH THE SKIN.**CHRONIC:** OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN DAMAGE AND NERVOUS SYSTEM DAMAGE. PRODUCT CONTAINS TOLUENE, WHICH MAY BE HARMFUL TO THE FETUS BASED ON ANIMAL STUDIES. REPEATED EXPOSURE TO TOLUENE HAS BEEN ASSOCIATED WITH HIGH FREQUENCY HEARING LOSS IN LABORATORY ANIMALS. THE HUMAN CONSEQUENCES OF THIS FINDING IS UNCERTAIN.**12. ECOLOGICAL INFORMATION**

NO DATA AVAILABLE

13. DISPOSAL CONSIDERATION

DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

14. TRANSPORT INFORMATION**DEPARTMENT OF
TRANSPORTATION (DOT)****GROUND SHIPMENTS OF LIMITED OR EXCEPTED
QUANTITIES OF AEROSOL PAINT IN CONTAINERS OF
1 QUART OR LESS:**

PROPER SHIPPING NAME: CONSUMER COMMODITY
HAZARD CLASS: ORM-D
UN #:
PG:
ERG: NONE
HAZARDOUS LABEL: NONE

**AIR SHIPMENTS OF LIMITED OR EXCEPTED
QUANTITIES OF AEROSOL PAINT IN CONTAINERS OF
1 QUART OR LESS:**

PROPER SHIPPING NAME: CONSUMER COMMODITY
HAZARD CLASS: 9
UN #: 8000
PG:
ERG: NONE
HAZARDOUS LABEL: MISCELLANEOUS

OR,

PROPER SHIPPING NAME: AEROSOL, FLAMMABLE
HAZARD CLASS: 2.1
UN #: 1950
PG:
ERG: NONE
HAZARDOUS LABEL: FLAMMABLE GAS

15. REGULATORY INFORMATION**U.S. FEDERAL REGULATIONS****TSCA:** ALL COMPONENTS ARE INCLUDED IN THE EPA TOXIC SUBSTANCES CONTROL ACT (TSCA) CHEMICAL SUBSTANCES INVENTORY.**CLEAN AIR ACT:** THE PRODUCT IS NOT PROCESSED WITH OR DOES NOT CONTAIN ANY CLASS I OR CLASS II OZONE DEPLETING SUBSTANCES.**SARA TITLE III INFORMATION****SECTION 302:** REQUIRES EMERGENCY PLANNING REPORTING BASED ON *THRESHOLD PLANNING QUANTITIES* (TPQs), AND RELEASE REPORTING BASED ON *REPORTABLE QUANTITIES* (RQs) OF HAZARDOUS MATERIALS LISTED IN SECTION 2.**SECTION 311 / 312:** SOME 40 CFR COMPONENTS LISTED (SEE SECTION 2) OF THE PRODUCT ARE REPORTABLE ABOVE TPQs.**SECTION 313:** THIS PRODUCT CONTAINS CHEMICALS WITH KNOWN CAS NUMBERS THAT EXCEED THE *de minimus* LIMIT, ARE SUBJECT TO REPORTING UNDER SARA TITLE III, SECTION 313 AND 40 CFR 372.**CHEMICALS**

TOLUENE

CAS #

108-88-3

STATE REGULATIONS / RIGHT-TO-KNOW

MATERIAL SAFETY DATA SHEET**CALIFORNIA
PROPOSITION 65
INFORMATION:**

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

<u>CHEMICALS</u>	<u>CAS #</u>
TOLUENE	108-88-3

IF THIS PRODUCT IS TO BE SOLD OR USED IN CALIFORNIA, THE FOLLOWING WARNING STATEMENT MUST APPEAR ON THE LABEL:

"WARNING! THIS PRODUCT CONTAINS A CHEMICAL OR CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM"INTERNATIONAL**WHMIS (CANADA):** THIS PRODUCT WITH SOME OF ITS COMPONENTS HAS BEEN CLASSIFIED AS CONTROLLED PRODUCT ACCORDING TO THE HAZARD CRITERIA OF THE CONTROLLED PRODUCTS REGULATIONS (CPR).**LABELS:** CANADIAN LABEL CLASSIFICATION REQUIRED ON CONTAINER(S): A, B1, B2, D2A, D2B**16. OTHER INFORMATION****HAZARD RATING SYSTEM:**

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

REVISION SUMMARY**SUPERCEDES ISSUE DATE****17. T&B CATALOG NUMBERS / PRODUCT NUMBERS**

TO BE USED IF SECTION 1 DOES NOT HAVE SPACE TO LIST T&B CATALOG NUMBERS.

THE INFORMATION PRESENTED HEREIN HAS BEEN COMPILED FROM SOURCES CONSIDERED TO BE DEPENDABLE AND ACCURATE TO THE BEST OF THOMAS & BETTS CORPORATION KNOWLEDGE. THE INFORMATION RELATES TO THE SPECIFIC MATERIAL. IT MAY NOT BE VALID FOR THIS MATERIAL IF USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY HIMSELF AS TO THE SUITABILITY AND COMPLETENESS OF THIS INFORMATION FOR HIS OWN PARTICULAR USE.