

# MATERIAL SAFETY DATA SHEET

ACCUMETRIC LLC  
350 RING ROAD  
ELIZABETHTOWN, KY 42701  
270-769-3385

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## BOSS® 662 CARB AND CHOKE CLEANER

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### SECTION 1. MANUFACTURER IDENTIFICATION

MANUFACTURERS NAME: ACCUMETRIC INC.  
350 RING ROAD  
ELIZABETHTOWN, KY 42701

TELEPHONE NUMBER: 270-769-3385

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### SECTION 2. HAZARDOUS INGREDIENTS/SARA III INFORMATION

REPORTABLE COMPONENTS	CAS NUMBER	mm Hg @ TEMP		PERCENT
* TOLUENE OSHA PEL: 200PPM TWA, ACGIH TLV: 100 PPM,; 200PPM ACC	108-88-3	10	81	40
*METHYLENE CHLORIDE, DICHLOROMETHANE OSHA PEL: 500 PPM, ACGIH TLV: 50 PPM,; 1000 CEIL	75-09-2	420	77	25.0
ACETONE OSHA PEL: 750 PPM ACGIH TLV: 750 PPM	67-64-1	181	68	11
*METHANOL OSHA PEL: 200 PPM, ACGIH TLV: 200 PPM,; SKIN	67-56-1	100	70	9
PROPANE OSHA PEL: 1000 PPM, ACGIH TLV: ASPHYXIAN	74-98-6	6350	68	15

\*INDICATES TOXIC CHEMICAL(S) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF 40 CFR 372.

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### SECTION 3. PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: -44 DEG F – 231 DEG F  
SPECIFIC GRAVITY (H2O=1): 0.83  
VAPOR DENSITY: UNKNOWN  
EVAPORATION RATE: UNKNOWN  
SOLUBILITY IN WATER: SLIGHT  
APPEARANCE AND ODOR: AEROSOL PRODUCT

### SECTION 4. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: -156 DEG F  
METHOD USED: ESTIMATED  
FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER: 1.2 UPPER: 36

EXTINGUISHING MEDIA:  
FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG

SPECIAL FIREFIGHTING PROCEDURES:  
WATER SPRAY MY BE INEFFECTIVE. WATER MAY BE USED TO COOL CONTAINERS TO PREVENT BUILD-UP AND EXPLOSION WHEN EXPOSED TO EXTREME HEAT. IF WATER IS USED, FOG NOZZLES ARE PREFERRED. WEAR GOGGLES AND SELF-CONTAINED BREATHING APPARATUS.

UNUSUAL FIRE AND EXPLOSION HAZARDS:  
CLOSED CONTAINERS MAY EXPLODE FROM INTERNAL PRESSURE BUILD-UP WHEN EXPOSED TO EXTREME HEAT AND DISCHARGE CONTENTS. VAPOR ACCUMUATION CAN FLASH OR EXPLODE IF IGNITED. OVEREXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD. SYMPTOMS MAY NOT BE READILY APPARENT. OBTAIN MEDICAL ATTENTION.

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## **SECTION 5. REACTIVITY DATA**

STABILITY: STABLE  
CONDITIONS TO AVOID:  
APPLICATION TO HOT SURFACES. STORAGE ABOVE 120 DEG F. EXPOSURE TO OPEN FLAME.

INCOMPATIBILITY (MATERIALS TO AVOID):  
STRONG OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION OR BY PRODUCTS:  
MAY PRODUCE FUMES WHEN HEATED TO DECOMPOSITION. FUMES MAY CONTAIN CARBON MONOXIDE, CHLORINE, AND HYDROGEN CHLORIDE

HAZAROUS POLYMERIZATION:  
WILL NOT OCCUR

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## **SECTION 6. HEALTH HAZARD DATA**

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:  
RESPIRATORY IRRITATION, HEADACHE, NAUSEA, FATIGUE, DROWSINESS, IMPAIRED CO-ORDINATION, POSSIBLE UNCONSCIOUSNESS.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:  
SKIN: CONTACT MAY DRY THE SKIN; PROLONGED CONTACT MAY CUASE IRRITATION.  
EYES: LIQUID OR VAPOR CAN CAUSE SEVERE IRRITATION, REDNESS, TEARING, AND BLURRED VISION; PROLONGED CONTACT MAY LEAD TO CORNEAL DAMAGE.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

SOLVENT ACTION CAN DRY AND DEFAT THE SKIN, CAUSING THE SKIN TO CRACK, LEADING TO DERMATITIS.

INGESTION HEALTH RISKS AND SYMPTOM OS EXPOSURE:

NOT A LIKELY ROUTE TO EXPOSURE. CAN CAUSE GASTRO-INTESTINAL IRRITATION, VOMITING, DIARRHEA, BLINDNESS AND DEATH. IF SWALLOWED, DO NOT INDUCE VOMITING. SEEK MEDICAL ADVICE AND/OR ATTENTION.

HEALTH HAZARDS (ACUTE AND CHRONIC):

ACUTE: EYE IRRITANT. SKIN IRRITANT. NARCOTIC IN HIGH CONCENTRATIONS.

CHRONIC: UNKOWN FOR PRODUCT AS A WHOLE

CARCINOGENICITY:

NTP CARCINOGEN: Yes IACR MONOGRAPHS: Yes

OSHA REGULATED: Yes

METHYLENE CHLORIDE IS A SUSPECTED ANIMAL CARCINOGEN;  
STUDIES OF WORKERS IN THE WORKPLACE HAVE NOT CONFIRMED  
THESE RESULTS. NOT ON OSHA LIST.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

ACUTE AND CHRONIC LIVER AND KIDNEY DISEASE, ANEMIA, CORONARY DISEASE OR RHYTHM DISORDERS OF THE HEART.

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: REMOVE TO FRESH AIR. ADMINISTER OXYGEN IF NEEDED. APPLY ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED. GET MEDICAL ATTENTION.

SKIN: WIPE OFF WITH TOWEL. WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

EYES: WASH IMMEDIATELY WITH LARGE VOLUMES OF FRESH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.

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## **SECTION 7. PRECAUTIONS FOR SAFE HANDLING AND USE**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

AVOID BREATHING VAPORS. VENTILATE AREA. REMOVE ALL SOURCES OF IGNITION. CLEAN UP AREA WITH ABSORBENT MATERIAL AND PLACE IN CLOSED CONTAINERS FOR DISPOSAL.

WASTE DISPOSAL METHOD:

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. BEFORE ATTEMPTING CLEAN UP, REFER TO OTHER SECTION OF THIS MSDS FOR HAZARD CAUTION INFORMATION.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

STORE AND USE IN COOL, DRY, WELL-VENTILATED AREAS. DO NOT STORE ABOVE 120 DEG. F. DO NOT PUNCTURE OR INCINERATE (BURN) CANS. DO NOT STICK PIN, NAIL OR ANY OTHER SHARP OBJECT INTO OPENING ON TOP OF CAN. DO NOT SPRAY IN EYES. DO NOT TAKE INTERNALLY. SEE PRODUCT LABEL FOR ADDITIONAL INFORMATION.

**OTHER PRECAUTIONS:**

SMALL PRESSURIZED CONTAINERS OF FLAMMABLE PRODUCTS MAY BE STORED IN AREAS SUITABLE FOR ORDINARY COMBUSTIBLES WITH RESPECT TO CONSTRUCTION, DRAINAGE, CONTROL OF IGNITION SOURCES, AND VENTILATION EXCEPT THAT THEY SHOULD NOT BE STORED IN BASEMENTS.

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**SECTION 8. CONTROL MEASURES**

**RESPIRATORY PROTECTION:**

NONE UNDER NORMAL USE. AVOID BREATHING VAPORS. IN RESTRICTED AREAS, USE APPROVED CHEMICAL/MECHANICAL FILTERS DESIGNED TO REMOVE A COMBINATION OF PARTICLES AND VAPOR. IN CONFINED AREAS, USE APPROVED AIR LINE TYPE RESPIRATOR OR HOOD. SELF-CONTAINED BREATHING APPARATUS IS REQUIRED FOR VAPOR CONCENTRATIONS ABOVE PEL/TLV LIMITS.

**VENTILATION:**

SUFFICIENT TO PREVENT INHALATION OF SOLVENT VAPORS. GENERAL DILUTION AND/OR LOCAL EXHAUST VENTILATION IN VOLUME OR PATTERN TO KEEP PEL/TLV OF MOST HAZARDOUS INGREDIENT BELOW ACCEPTABLE LIMIT AND LEL BELOW STATED LIMIT.

**PROTECTIVE GLOVES:**

NONE UNDER NORMAL USE. SOLVENT RESISTANT REQUIRED FOR PROLONGED OR REPEATED CONTACT.

**EYE PROTECTION:**

NONE UNDER NORMAL USE; HOWEVER, USE OF SAFETY GLASSES WITH SPLASH GUARDS OR FULL FACE SHIELD IS RECOMMENDED.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:**

NONE UNDER NORMAL USE, HOWEVER, USE OF SOLVENT RESISTANT APRONS OR OTHER CLOTHING IS RECOMMENDED.

**WORK/HYGIENIC PRACTICES:**

EYE WASHES AND SAFETY SHOWERS IN THE WORKPLACE ARE RECOMMENDED.

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**SECTION 9. DISCLAIMER**

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DATE:

MARCH 19, 2000