



**D.O.T. Classification
ORM-D**

MATERIAL SAFETY DATA SHEET

SECTION 1 IDENTITY

NAME OF PRODUCT: B200 AEROSOL LUBRICANT

MANUFACTURER'S NAME AND ADDRESS:

SUNNEN PRODUCTS COMPANY
7910 MANCHESTER
ST. LOUIS, MO 63143

CONTACT:

CHUCK KORN

DATE:

June 29, 2004

EMERGENCY TELEPHONE NUMBER:

314-781-2105

SECTION 2 INGREDIENTS/IDENTITY (PER 29 CFR 1910.1200(g))

CHEMICAL NAME OF COMPONENTS	CAS NO.	Wt.% Approx.	OSHA Z1A 8 HR TWA	OSHA Z1A STEL	OSHA Z1A SKIN mg./cu.m.	CARCINOGENIC
Lard oil polymer	68082-79-1	69	NONE	NONE	NONE	NO
4-isopropenyl-1-methylcyclohexene	5989-27-5	<1	NONE	NONE	NONE	NO
Alkylated Polystyrene in Petroleum Distillate	N.A.	<1	5(mist)	NONE	NONE	NO
Propane	74-98-6	11	1800	NONE	NONE	NO
Isobutane	75-28-5	19	NONE	NONE	NONE	NO

FOR FURTHER SAFETY AND HEALTH INFORMATION REGARDING THE COMPOSITION OF THIS MATERIAL CONTACT SUNNEN PRODUCTS.

These mixture ingredients are cited on the following lists:

NAME	CAS	CITATIONS
PROPANE	74-98-6	2,4,5,6,7,9,10,11,13,14,15,16,17,22,23
ISOBUTANE	75-28-5	5,6,7,9,10,11,15,17,18,21

1=IARC 2=OSHA 3=NTP 4=ACGIH 5=NFP449 6=NFP4325M 7=DOT HMT 49CFR172.101 8=EPA 9=RTECS 10=MA RTK 11=AK RTK 12=CA RTK 13=FL RTK 14=IL RTK 15=ME RTK 16=MN RTK 17=NH RTK 18=NJ RTK 19=Cincinnati, Ohio RTK 20=Norwood, Ohio RTK 21=PA RTK 22=RI RTK 23=WV RTK

SECTION 3 PHYSICAL & CHEMICAL CHARACTERISTICS

SPECIFIC GRAVITY (WATER=1) 1.041 CALCULATED
 BOILING POINT -43.7°F (-42°C) PROPELLANT/ 165°F (74°C) LUBRICANT MIXTURE
 PERCENT VOLATILE BY WEIGHT 48%
 VAPOR PRESSURE (mm Hg) Approx. 42 PSIG @ 68°F (20°C)
 VAPOR DENSITY (Air=1) 2.871 ESTIMATED
 EVAPORATION RATE FASTER THAN BUTYL ACETATE (Propellant/Solvent). Residual product is non-volatile.
 SOLUBILITY IN WATER < .1% @ 77°F (25°C)
 REACTIVITY IN WATER NOT REACTIVE
 APPEARANCE AND ODOR AMBER COLOR LIQUID WITH LIMON ODOR

SECTION 4 SPECIAL PRECAUTIONS

HANDLING AND STORAGE: Do not store near fire or flame or where temperature exceeds 120 F (50 C).
OTHER: Do not smoke when fumes are present. Use with positive ventilation.

SECTION 5 CORROSIVELY AND REACTIVITY DATA

STABILITY: Material is stable. POLYMERIZATION: Hazardous polymerization will not occur. INCOMPATIBILITY (materials to avoid): Peroxides or strong oxidizing agents such as chlorine, permanganates, and dichromates. DECOMPOSITION PRODUCTS: Combustion of material will produce oxides of carbon.

SECTION 6 HEALTH, FIRST AID AND MEDICAL DATA

ACUTE AND CHRONIC HEALTH EFFECTS AND EFFECTS OF OVEREXPOSURE. PRIMARY ROUTE(S) OF ENTRY ARE: INHALATION AND SKIN ABSORPTION. Abbreviations used in the following section: SKIN=Skin absorption. EYE=Eye contact. INHAL=Inhalation INGEST=Ingestion. NAIF=No applicable information found. The information presented and conclusions drawn are from sources other than direct test data.

ACUTE: SKIN: Contact with the liquefied gas or the gas under pressure may cause skin burns and frostbite. Prolonged or widespread skin contact may result in the absorption of potentially harmful amounts of material. EYE: The gas phase is not expected to cause eye irritation. However, the liquid can cause moderate eye irritation, frostbite and burns. INHAL: The propellant is an asphyxiant and may exhibit anesthetic properties at very high concentrations. Overexposure will produce respiratory irritation, disorientation, lack of coordination, rapid respiration, headache, and nausea. Continued exposure to very high concentrations may result in unconsciousness, coma and possible death. Prolonged or repeated overexposure may result in the absorption of potentially harmful amounts of material. INGEST: If more than several mouthfuls are swallowed, abdominal discomfort, nausea, and diarrhea may occur. Aspiration may occur during swallowing or vomiting resulting in lung damage.

CHRONIC: Prolonged or repeated exposure may cause drying or cracking of the skin and is reported to cause permanent damage to nose, mucous membranes, lungs, thorax, liver, kidneys, brain and central nervous system. Also fatigue, loss of appetite and weight loss, gradual numbness and weakness of the hands and feet may occur, accompanied by a tingling sensation. In severe chronic overexposure cases, loss of muscle may occur in the hands and feet. Individuals with existing respiratory impairment such as emphysema, may display an increased sensitivity to solvent vapors. Repeated overexposure may aggravate or enhance existing nervous system dysfunction produced by disorders known to cause nervous system effects or damage such as diabetes, alcohol or drug abuse, and parkinson's disease. Because of its irritation properties, repeated skin contact may aggravate an existing dermatitis (skin condition.)

EMERGENCY FIRST AID

INHALATION: Remove from further exposure. If unconsciousness occurs, seek immediate medical assistance and call a physician. If breathing has stopped, begin mouth to mouth resuscitation. EYE CONTACT: Remove contact lenses (if wearing) and flush eyes with water for 15 minutes. Seek medical attention to check for possible irritation. SKIN CONTACT: Wash contact areas with mild non-abrasive soap and water. INGESTION: Do not induce vomiting. Call physician or poison control center immediately.

SECTION 7 HANDLING, STORAGE AND USE PROCEDURES

NORMAL STORAGE AND HANDLING: NFPA 30-B rating is Level 3 Aerosol. Store in well ventilated areas away from sources of ignition as damaged or leaking cans will release propellant which is highly flammable, heavier than air and may travel long distances to a source of ignition and flash back causing the container to burn or explode. Post areas "NO SMOKING OR OPEN FLAMES". Do not store at temperatures above 120 F (49 C) or in direct sunlight as cans may overheat and burst releasing the highly flammable propellant. Cool overheated cans if possible. Do not store near oxidizing agents. Keep out of the reach of children. NORMAL USE: Use only with adequate ventilation, ensuring fresh air entry during use as breathing vapors can cause dizziness, unconsciousness or coma. If eye watering, headache or dizziness is experienced, increase ventilation or seek fresh air. Vapors will accumulate readily and are potentially explosive. Do not spray near sparks, heat or open as propellant may ignite creating a fire hazard. Wear protective goggles if mist is present or if any possibility of eye contact exists. Wear NIOSH approved respirator if vapors approach TLV. Do not drop container as it may dent. Do not use a deformed container. A deformed container has reduced expansion space and may develop dangerous pressure causing it to burst in a violent manner. Wash hands after using. STEPS TO BE TAKEN IN CASE OF LEAKS OR SPILLS: If a can develops a leak, move it outside or to a well ventilated area immediately to prevent accumulation of the flammable propellant which is potentially explosive. If leaking containers are found in a storage area eliminate all ignition sources. Ventilate to reduce and remove the propellant fire hazards before entering or using equipment in these areas. Absorb liquid with inert material. Vapor levels exceeding TLV may be

present. WASTE DISPOSAL METHODS: Do not incinerate as may explode. Do not discard in compactor as contents may be released in a dangerous manner resulting in fire or explosion. Dispose of in accordance with applicable federal, state and local laws, regulations, rules, orders and ordinances.

SECTION 8 PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Atmospheric levels should be maintained below the exposure guidelines. When respiratory protection is required for certain operations, use an approved air-purifying respirator. For emergency and other conditions where the exposure guideline may be greatly exceeded, use an approved positive pressure self-contained breathing apparatus. VENTILATION: Ensure fresh air entry during use. If TLV levels are approached or any discomfort is experienced provide positive mechanical ventilation. PROTECTIVE GLOVES: If preferred or if sensitivity to material has been demonstrated. EYE PROTECTION: Wear protective goggles to prevent eye contact.

SECTION 9 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: PROPELLANT -156 °F (-249 °C) Method used: ASTM D-92
LUBRICANT 160 °F (71 °C) ASTM D-92
FLAMMABLE LIMITS LEL (lower) UEL (upper) Method: ASTM E-681 IN AIR % BY VOLUME
PROPELLANT 1.8% 9.5%
SOLVENT Unknown Unknown

EXTINGUISHING MEDIA: Foam, carbon dioxide, dry chemical or water fog. SPECIAL FIRE FIGHTING PROCEDURES: Wear positive pressure, self-contained respiratory equipment. Exposure to temperature above 120 F may cause the container to burst, releasing the highly flammable propellant. Water spray used to cool the containers during fire conditions may help prevent rupture. UNUSUAL FIRE AND EXPLOSION HAZARDS: Treat as cylinders of compressed flammable gas. Propellant vapors are heavier than air. In case of rupture, ventilate as to prevent concentrations from reaching flammable levels. STORAGE: NFPA 30-B Rating is Level 3 Aerosol.

SHIPPING INFORMATION

Proper Shipping Name: Consumer Commodity Hazard Class: ORM-D UN Identification Number: none

NOTICE

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