MATERIAL SAFETY DATA SHEET

DATE: JANUARY 20, 1992

BORTZ PRODUCTS
P.O. Box 2163
Santa Fe Springs, Ca. 90670
Business Day Phone Number: 1-310-696-8079
Emergency 24 Hour Phone: 1-800-424-9300 (Chemtrec)

This MSDS complies with 29CFR 1910.1200 (Hazard Communication Standard). IMPORTANT: Read this MSDS before handling and disposing of this product. PASS THIS INFORMATION ON TO EMPLOYEES, CUSTOMER AND USERS OF THIS PRODUCT.

SECTION 1 - CHEMICAL PRODUCT IDENTIFICATION

ACETONE

5 Gallon Product I.D. number (UPC) 28236 02050
Gallon Product I.D. number (UPC) 28236 02010
Quart Product I.D. number (UPC) 28236 02040
Pint Product I.D. number (UPC) 28236 02080

SECTION 2 - INGREDIENT & REGULATORY INFORMATION

All components of this product are on the TSCA list.

SARA TITLE III SECTION 313 SUPPLIER NOTIFICATION
This product contains the indicated (*) toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right To Know Act of 1986 and of 40 CFR 372. This information must be included in all MSDS’s that are copied and distributed for this material.

SARA TITLE III INGREDIENTS

MATERIAL

RQ/POUNDS

CAS# WT% REG. SECTION
Acetone* 67-64-1 100 (311,312,313, RCRA) 5,000

SARA SECTION 312/313 HAZARDS: Acute Health, Chronic Health, Fire

MATERIAL

Acetone

CAS# TWA+ (OSHA) TLV (ACGIH)
67-64-1 750 ppm 750 ppm

MATERIAL

(OSHA/ACGIH)

CAS# CEILING STEL
MATERIAL DATA

Acetone 67-64-1 None Known 1000 ppm

LOWEST KNOWN LETHAL DOSE

Lowest Known LD50 (Oral) 9.7 mg/kg (Rat)
Lowest Known LC50 (Vapors) 16,000 ppm (Rat)
Lowest Known LD50 (Skin) 20.0 mg/kg (Rat)

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ACETONE

HAZARDS: HEALTH CODE: 3, FLAMMABILITY CODE: 4, REACTIVITY CODE: 0
HAZARD RATINGS: LEAST-0, SLIGHT-1, MODERATE-2, HIGH-3, EXTREME-4

CALIFORNIA PROPOSITION 65: This product contains no known chemicals known to the State of California to cause cancer or reproductive toxicity.

SECTION 3. HAZARD IDENTIFICATION

CONTAINS: ACETONE
DANGER!
EXTREMELY FLAMMABLE!
VAPORS CAN CAUSE FLASH FIRE

ACUTE HAZARDS

EYE & SKIN CONTACT: Liquid is severely irritating to the eyes. High vapor concentrations are also irritating. Liquid is mildly irritant to the skin. Prolonged or repeated liquid contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis.

INHALATION: High vapor concentrations may produce CNS depression.

SWALLOWING: May produce CNS depression.

SIGNS AND SYMPTOMS: Irritation as noted above. Early to moderate CNS (Central Nervous System) depression may be evident by giddiness, headache, dizziness and nausea. In extreme cases, unconsciousness and death may occur.

SUBCHRONIC HAZARDS / CONDITIONS AGGRAVATED

CONDITIONS AGGRAVATED: Persons with pre-existing eye and skin disorders may be aggravated by exposure to Acetone.

SECTION 4. FIRST AID MEASURES AND PROCEDURES
EYE CONTACT: For eyes, immediately flush with plenty of water for at least 15 minutes & call Physician.

SKIN CONTACT: In case of contact with skin wash with water. If irritations persist get medical attention.

INHALATION: After high vapor exposure, remove victim to fresh air. If breathing is difficult, give oxygen. Get medical attention.

SWALLOWING: Do not give liquids if victim is unconscious or very drowsy. Otherwise, give no more than 2 glasses of water and induce vomiting by giving 30cc (2 tablespoons) syrup of ipecac*. If ipecac is unavailable, give 2 glasses of water and induce vomiting by touching finger to back of victim's throat. Keep victim's head below hips while vomiting. CALL A PHYSICIAN IMMEDIATELY!

NOTE TO PHYSICIAN: * If victim is a child, give no more than 1 glass of water and 14cc (1 tablespoon) syrup of ipecac. If systems such as loss of gag reflex, convulsions or unconsciousness occurs before enesis, gastric lavage should be considered following intubation with a cuffed endotracheal tube.

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SECTION 5. FIRE FIGHTING MEASURES

FLAMMABLE LIMIT IN AIR (% by volume) 2.6 Lower - 12.8 Upper
FLASH POINT (test method): -15 DEG F (TCC)
EXTINGUISHING MEDIA: Use water fog, "Alcohol" foam, dry chemical or CO2.

SPECIAL FIRE FIGHTING PROCEDURES: DANGER! EXTREMELY FLAMMABLE. Clear fire area of unprotected personnel and Isolate. Do not enter confined fire-space without full bunker gear. (Helmet with shield, bunker coats, gloves and rubber boots). Use NIOSH approved positive-pressure self-containing breathing apparatus. Cool fire exposed containers with water.

UNUSUAL EXPLOSION PROCEDURES: EXTREMELY FLAMMABLE! Containers exposed to intense heat from fire should be cooled with water to prevent vapor pressure build-up which could result in container rupture. Contain areas exposed to direct flame contact should be cooled with large quantities of water as needed to prevent weakening of container.

SECTION 6. ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK: DANGER! EXTREMELY FLAMMABLE. Eliminate all ignition sources. Handling equipment must be grounded to prevent spark. Isolate area and deny entry to unnecessary personnel. Wear appropriate respirator and protective clothing. Stop spill at source. Dike areas and contain. Water fog may be useful in suppressing vapor cloud. Clean up remainder with absorbent materials. Mop up and dispose of. Persons without proper protection should be kept away from area until cleaned up.

WASTE DISPOSAL METHOD: Recycle or dispose of observing local, state and federal health, safety and pollution laws. If questions exist, contact the appropriate agencies.

OTHER PRECAUTIONS: Vapors may ignite explosively & spread long distances. Prevent vapor build-up.
SECTION 7. HANDLING AND STORAGE

HANDLING: Isolate from heat, sparks, electric equipment and open flame. Use only with adequate ventilation. Avoid breathing of vapor or vapor mist. Do not get in eyes, on skin or clothing. Wear OSHA standard goggles or face shield. Consult Safety Equipment Supplier. Wear gloves, apron and footwear impervious to this material. Wash clothing before reuse. Avoid free fall of liquid. Static electricity may accumulate and create a fire hazard. Ground fixed equipment. Bond and ground containers and equipment when transferring. Do not flame cut, saw, drill, braze or weld. Empty container very hazardous! Continue all label cautions!

STORAGE: Vapors may ignite explosively and spread long distances. Prevent vapor build-up. Put out pilot lights and turn off heaters, electric equipment and other ignition sources during use and until all vapors are gone. Do not store above 49C / 120F. Store large amounts in structures made for OSHA Class1B liquids. Keep container tightly closed and upright when not in use to prevent leakage. Do not pressurize drum containers to empty them. Continue all label cautions!

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROLS: Ventilate to keep vapors of this material below 750 ppm. If over TLV, in accordance with 29 CFR 1910.134. Use NIOSH approved positive-pressure self-contained breathing apparatus. Consult Safety Equipment Supplier. Use explosion proof equipment.

VENTILATION:
- LOCAL EXHAUST: NECESSARY
- MECHANICAL (GENERAL): ACCEPTABLE
- SPECIAL: NONE
- OTHER: NONE

PERSONAL PROTECTIONS: Wear OSHA standard goggles or face shield. Consult Safety Equipment Supplier. Wear gloves, apron and footwear impervious to this material. Wash clothing before reuse.

SECTION 9. PHYSICAL DATA

APPEARANCE: Liquid, Water-White
ODOR: Mild Ketone
BOILING POINT: 133 DEG F
EVAPORATION RATE: 5.6 (N-Butyl Acetate = 1)
GRAVITY @ 60F: 0.800
SPECIFIC GRAVITY (water=1)
POUNDS/GALLON: 6.636
TOTAL VOLATILE ORGANIC COMPOUNDS (TVOC) (G/L): 800.0
VAPOR PRESSURE (mm of hg) @20c: 186.0
VAPOR DENSITY (air = 1): 2.0
WATER ABSORPTION: complete
% VOLATILE BY VOLUME: 100.0
SECTION 10. REACTIVITY DATA

STABILITY.

Stable

CONDITIONS TO AVOID:

Isolate from oxidizers, heat, sparks, electric equipment and open flame. Prevent vapor accumulation.

MATERIALS TO AVOID:

Isolate from strong oxidizers such as permanganates, chromatics and peroxides.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon Monoxide and unidentified organic compounds may be formed during combustion.

HAZARDOUS POLYMERIZATION

Will not occur

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