

10/20/03 08:57 FAX 800 762 4711

BRANDESS KALT AETNA GROU

002

Rec'd 10-20-03

00426-1004

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: MARSHALL PM SOLUTION **DATE:** 04/20/02
PRODUCT CODE(S): MS-PMS; MS-PMS-1; MS-PMS 1/2 oz in Introductory Oil Set

SECTION I PRODUCT IDENTIFICATION
MANUFACTURER: BRANDESS/KALT/AETNA
 701 CORPORATE WOODS PKWY
 VERNON HILLS, IL 60061

INFORMATION AND EMERGENCY PHONE DURING BUSINESS HOURS 847-478-7111

FOR EMERGENCY ASSISTANCE INVOLVING A SPILL, LEAK, OR FIRE WITH THIS
 PRODUCT CALL CHEMTREC 800-424-9300.

PHYSICAL DATA: BLENDED SOLUTION
SYNONYMS: NONE

SECTION II HAZARDOUS INGREDIENTS

| COMPONENTS | CAS # | WEIGHT % |
|------------|-----------|---------------|
| TURPENTINE | 8006-64-2 | Less than 90% |

SECTION III PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT: 7300°F
COLOR: WATER-WHITE
SOLUBILITY IN WATER: NEGLIGIBLE
EVAPORATION RATE: SLOWER THAN ETHER
STABILITY: PRODUCT IS STABLE UNDER NORMAL CONDITIONS

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 90°F (CLOSED CUP)
FLAMMABLE LIMITS: FLAMMABLE LIQUID - CLASS 1C
EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY CHEMICAL, FOAM, OR SAND
SPECIAL FIRE FIGHTING INSTRUCTIONS: MATERIAL IS A MODERATE FIRE AND
 EXPLOSION HAZARD. USE ONLY WATER TO KEEP FIRE -EXPOSED
 CONTAINERS COOL. WEAR SELF-CONTAINED BREATHING APPARATUS
 PRESSURE-DEMAND (MSHA/NIOSH APPROVED OR EQUIVALENT) AND FULL
 PROTECTIVE GEAR.
UNUSUAL FIRE & EXPLOSION HAZARDS: FLAMMABLE. VAPORS MAY CAUSE A
 FLASH FIRE AND EXPLOSION HAZARD. VAPORS MAY TRAVEL CONSIDERABLE
 DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK.

SECTION V REACTIVITY DATA

CONDITIONS TO AVOID: HEAT, SPARKS, OPEN FLAMES, AND OXIDIZING
 MATERIALS.
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: CHANCE OF THERMAL
 DECOMPOSITION MAY YIELD CARBON DIOXIDE AND/OR CARBON MONOXIDE.
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

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MARSHALL PM SOLUTION**PAGE 2****SECTION VI HEALTH HAZARD DATA**

CHRONIC EFFECTS OF OVEREXPOSURE/CARCINOGENICITY: MAY CAUSE PREDISPOSITION TO PNEUMONIA AND CHRONIC NEPHRITIS. CHRONIC EXPOSURE CAN PRODUCE ALLERGENIC SENSITIZATION. THE NATIONAL TOXICOLOGY PROGRAM (NTP) CONCLUDED THAT TWO-YEAR GAVAGE STUDIES WITH d-LIMONENE, A COMPONENT OF THIS PRODUCT, INDICATE CLEAR EVIDENCE OF CARCINOGENIC ACTIVITY I MALE RATS, BUT NOT IN FEMALE RATS, NOR IN MALE OR FEMALE MICE. HOWEVER, INVESTIGATION OF THE METABOLISM OF d-LIMONENE IN VARIOUS SPECIES SUGGESTS THESE FINDINGS ARE NOT RELEVANT TO HUMAN RISK ASSESSMENT. d-LIMONENE IS NOT LISTED AS A CARCINOGEN BY THE NTP. IT IS NOT REGULATED AS A CARCINOGEN BY OSHA AND HAS NOT BEEN EVALUATED BY IARC. OTHER COMPONENTS OF THIS PRODUCT ARE NOT LISTED AS CARCINOGENS BY NTP, IARC, OR OSHA.

SARA TITLE III HAZARD CATEGORIES: FIRE HAZARD, IMMEDIATE (ACUTE) HEALTH HAZARD AND DELAYED (CHRONIC) HEALTH HAZARD.
CALIFORNIA PROPOSITION 65: THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: IF IRRITATION, TEARING AND REDNESS PERSISTS, CONSULT A PHYSICIAN IMMEDIATELY.

SKIN: WASH AFFECTED AREA WITH WARM SOAPY WATER. IF IRRITATION DEVELOPS, SEEK MEDICAL ATTENTION.

INHALATION: REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, CONSULT A PHYSICIAN.

IF SWALLOWED: GET MEDICAL ATTENTION IMMEDIATELY.

SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

IF SMALL RELEASE: ADD SAND, SCOOP OR SWEEP INTO DISPOSAL CONTAINER AND HOSE DOWN AREA.

WASTE DISPOSAL METHOD: COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.

STORAGE AND HANDLING: STORE IN A COOL, DRY AREA AWAY FROM HEAT AND OPEN FLAMES.

SECTION VIII CONTROL MEASURES

RESPIRATORY PROTECTION: USE IN A WELL-VENTILATED AREA.

VENTILATION: LOCAL, ADEQUATE EXHAUST

EYES: WEAR CHEMICAL SAFETY GOGGLES

PROTECTIVE GLOVES: NEOPRENE RUBBER GLOVES

The conditions of handling, storage, use, and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with the handling, storage, use, or disposal of the product. The opinions expressed herein are those of qualified experts, chemists, and technicians supplied by various chemical manufacturers. We believe that the information contained herein is current as of the date of this Material Safety Data Sheet. Since the use of this information, these opinions, and the conditions of use of the product are not within the control of Brandess/Kalt/Aetna, it is the user's obligation to determine the conditions of safe use of the product.