

SODIUM BENZOATE

MATERIAL SAFETY DATA SHEET



JLM MARKETING, INC.

8675 Hidden River Parkway
Tampa, FL 33637
In case of Emergency call CHEMTREC 1-800-424-9300

SODIUM BENZOATE



Product MSDS No.
US204 001

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SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

SUPPLIER.....JLM MARKETING, INC.
8675 HIDDEN RIVER PARKWAY
TAMPA, FL 33637
PHONE: 813-632-3300

SODIUM BENZOATE

FAX: 813-632-3301
EMERGENCY PHONE NUMBER(S)...CHEMTREC DAY OR NIGHT 1-800-424-9300
REVISION DATE.....2000/04/06
REVISION.....NEW FORMAT
TRADE NAMES/SYNONYMS:.....SODIUM OF BENZENE CARBOXYLIC ACID
SODIUM SALT OF PHENYL CARBOXYLIC ACID
CHEMICAL FAMILY.....SODIUM SALT OF BENZENE CARBOXYLIC ACID
PRODUCT USE.....FOOD PRESERVATIVES & AS AN ANTICORROSIVE.
CHEMICAL FORMULA.....C7H3O2NA
FIRE.....1
HEALTH.....2
REACTIVITY.....0

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	%CONC	C.A.S.	ACGIH-TLV	OSHA-PEL
SODIUM BENZOATE	100	532-32-1	NOT ESTABLISHED	NOT ESTABLISHED

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW.....WHITE, ALMOST ODOURLESS AMORPHOUS
POWDER/FLAKES. GENERALLY NOT HAZARDOUS, BUT
TOXIC IN LARGE AMOUNTS. MAY CAUSE IRRITATION TO
THE SKIN, EYES AND RESPIRATORY SYSTEM. AVOID
ALL SKIN AND EYE CONTACT. AVOID BREATHING DUST.

POTENTIAL HEALTH EFFECTS:
INGESTION.....HARMFUL IF SWALLOWED.
SKIN CONTACT.....MAY CAUSE IRRITATION.
INHALATION.....MAY CAUSE IRRITATION TO THE RESPIRATORY SYSTEM.
MAY CAUSE GASTRIC PAIN, NAUSEA AND VOMITING.
EYE CONTACT.....IRRITATION

MEDICAL CONDITIONS
AGGRAVATED.....MAY CAUSE AN ALLERGIC REACTION.
SUBCHRONIC (TARGET ORGAN)
EFFECTS.....NO DATA
CHRONIC EFFECTS.....PROLONGED OR REPEATED CONTACT MAY CAUSE AN
ALLERGIC REACTION.

CARCINOGENICITY
NTP.....NO
IARC.....NO
OSHA.....NO

OTHER TOXICOLOGICAL DATA...NO DATA
PRINCIPAL ROUTES OF ENTRY...EYE CONTACT
SKIN CONTACT
INHALATION
INGESTION

SECTION 4: FIRST AID MEASURES

EYE CONTACT.....WASH EYES IMMEDIATELY WITH LARGE AMOUNTS OF
WATER OR NORMAL SALINE, OCCASIONALLY LIFTING
UPPER AND LOWER LIDS, UNTIL NO EVIDENCE OF

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CHEMICAL REMAINS (AT LEAST 15-20 MINUTES). GET MEDICAL ATTENTION IMMEDIATELY.

SKIN CONTACT.....REMOVE CONTAMINATED CLOTHING AND SHOES IMMEDIATELY. WASH WITH SOAP OR MILD DETERGENT AND LARGE AMOUNTS OF WATER UNTIL NO EVIDENCE OF CHEMICAL REMAINS (AT LEAST 15-20 MINUTES). GET MEDICAL ATTENTION IMMEDIATELY.

INHALATION.....IMMEDIATELY REMOVE VICTIM TO FRESH AIR, IF VICTIM IS NOT BREATHING A QUALIFIED PERSON SHOULD IMMEDIATELY BEGIN ARTIFICIAL RESPIRATION, OBTAIN IMMEDIATE MEDICAL ASSISTANCE !

INGESTION.....GIVE TWO GLASSES OF WATER. GET IMMEDIATE MEDICAL ASSISTANCE. DO NOT INDUCE VOMITING. OBTAIN IMMEDIATE MEDICAL ASSISTANCE AND CONTACT LOCAL POISON CONTROL CENTER FOR ASSISTANCE AND INSTRUCTIONS ON PROVIDING VICTIM FIRST AID.

NOTE TO PHYSICIAN.....TREAT SYMPTOMATICALLY

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT.....COMBUSTIBLE SOLID

METHOD.....NOT AVAILABLE

IGNITION TEMPERATURE.....NOT APPLICABLE

UPPER FLAMMABLE LIMIT.....NOT APPLICABLE

LOWER FLAMMABILITY LIMIT....NOT APPLICABLE

SENSITIVITY TO MECHANICAL IMPACT.....NO

SENSITIVITY TO STATIC DISCHARGE.....NOT EXPECTED

EXTINGUISHING MEDIA.....USE SUITABLE EXTINGUISHING AGENTS FOR SURROUNDING FIRE.

SPECIAL FIREFIGHTING PROCEDURES.....IN THE EVENT OF A FIRE, WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE PRESSURE DEMAND OR OTHER POSITIVE PRESSURE MODE.

FLAMMABILITY CLASS (OSHA)...COMBUSTIBLE WHEN EXPOSED TO HEAT OR FLAME

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACTION TO BE TAKEN FOR SPILLS OR RELEASES.....SOUND THE ALARM AND EVACUATE AREA. ONLY PROPERLY TRAINED PERSONNEL SHOULD BE INVOLVED IN SPILL OR LEAK RESPONSE. WEAR FULL PROTECTIVE CLOTHING. ELIMINATE ALL SOURCES OF IGNITION. VENTILATE AREA. DO NOT STEP IN OR WALK THROUGH SPILLED MATERIAL. DO NOT TOUCH SPILLED MATERIAL. STOP LEAK IF WITHOUT RISK. COVER WITH DRY EARTH OR DRY SAND. USE CLEAN, NON-SPARKING TOOLS TO COLLECT MATERIAL AND PLACE IN PLASTIC CONTAINERS FOR LATER DISPOSAL. AVOID GENERATING DUST. AVOID RUNOFF TO SEWERS, DRAINS OR OTHER WATERWAYS. REPORT ALL SPILLS OR LEAKS IN ACCORDANCE WITH LOCAL REGULATIONS.

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SECTION 7: HANDLING AND STORAGE

HANDLING PROCEDURES.....THIS PRODUCT MUST REMAIN IN A TIGHTLY SEALED CONTAINER PROTECTED FROM POTENTIAL PHYSICAL DAMAGE. USE ONLY WITH ADEQUATE VENTILATION AVOIDING THE GENERATION OF DUST. DO NOT USE IN THE PRESENCE OF ANY SOURCES OF HEAT, SPARKS OR OPEN FLAMES. DO NOT GET THIS PRODUCT WET. RETURN UNUSED MATERIAL TO PROPER STORAGE FACILITIES. EMPTY CONTAINERS CONTAIN HAZARDOUS RESIDUE AND MUST BE DISPOSED OF ACCORDINGLY. DO NOT RE-USE THE EMPTY CONTAINER FOR ANY OTHER PURPOSE.

STORAGE PROCEDURES.....ALL CONTAINERS MUST BE TIGHTLY SEALED. STORE AWAY FROM ALL SOURCES OF HEAT OR IGNITION. STORE ONLY IN A DRY, COOL AND WELL VENTILATED AREA. STORE AWAY FROM ANY SOURCES OF MOISTURE OR WHERE THE POSSIBILITY EXISTS THAT THE PRODUCT MAY BECOME WET OR BE EXPOSED TO MOISTURE. DO NOT ATTEMPT TO CLEAN EMPTY PACKAGES AS THIS MAY RESULT IN A FIRE OR EXPLOSION. DISPOSE OF EMPTY CONTAINERS IN ACCORDANCE WITH LOCAL REGULATIONS FOR EMPTY CONTAINERS THAT LAST CONTAINED FLAMMABLE SOLIDS.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS.....USE LOCAL EXHAUST VENTILATION AND PROCESS ENCLOSURE TO CONTROL DUST AND VAPOR.

EXPOSURE LIMITS.....NOT ESTABLISHED

RESPIRATORY PROTECTION.....THE SPECIFIC RESPIRATOR SELECTED MUST BE BASED ON CONTAMINATION LEVELS FOUND IN THE WORK PLACE, MUST NOT EXCEED THE WORKING LIMITS OF THE RESPIRATOR AND BE JOINTLY APPROVED BY THE NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH AND THE MINE SAFETY AND HEALTH ADMINISTRATION (NIOSH-MSHA).

PROTECTIVE CLOTHES.....IMPERVIOUS GLOVES AND CLOTHING TO PREVENT SKIN CONTACT.

EYE AND FACE PROTECTION....WEAR SPLASH-PROOF OR DUST-RESISTANT SAFETY GOGGLES TO PREVENT EYE CONTACT WITH THIS SUBSTANCE.

OTHER PROTECTIVE EQUIPMENT..WHERE THERE IS ANY POSSIBILITY THAT AN EMPLOYEE'S EYES MAY BE EXPOSED TO THIS SUBSTANCE, THE EMPLOYER SHOULD PROVIDE AN EYE WASH FOUNTAIN WITHIN THE IMMEDIATE WORK AREA FOR EMERGENCY USE.
EMPLOYEES SHOULD BE TRAINED IN EMERGENCY MEASURES IN CASE OF LEAK, SPILL, FIRE OR EXPLOSION. TRAINING IN USE OF EMERGENCY RESPONSE EQUIPMENT SHOULD BE PROVIDED TO INCLUDE LOCATION OF PHONE, FIRST AID KITS, ALARMS, FIRE EXTINGUISHERS FOR THE SPECIFIC WORKPLACE.

VENTILATION.....PROVIDE LOCAL EXHAUST OR PROCESS ENCLOSURE VENTILATION TO MEET PUBLISHED EXPOSURE LIMITS.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

VAPOR DENSITY (AIR=1).....NOT APPLICABLE
FREEZING/MELTING POINT.....NO DATA
PHYSICAL STATE.....SOLID
ODOR.....ALMOST ODOURLESS
COLOR.....WHITE POWDER
ODOR THRESHOLD (PPM).....NOT AVAILABLE
VOLATILES % VOLUME.....NOT APPLICABLE
EVAPORATION RATE (BUTYL
ACETATE=1.0).....NO DATA
SPECIFIC GRAVITY
(WATER=1.0).....NO DATA
MOLECULAR WEIGHT.....144.11
ACID/ALKALINITY (MEQ/G)....NO DATA
PH.....NO DATA
VOC (EPA METHOD 24).....NOT APPLICABLE
SOLUBILITY IN ORGANIC
SOLVENTS.....SLIGHTLY SOLUBLE IN ALCOHOL
BOILING POINT.....NOT APPLICABLE
VAPOR PRESSURE MM/HG
(20°C).....NOT APPLICABLE
SOLUBILITY IN WATER (20°C)..SOLUBLE
OCTANOL/WATER PARTITION
COEFFICIENT.....NO DATA

SECTION 10: STABILITY AND REACTIVITY

STABILITY.....STABLE UNDER NORMAL LABORATORY STORAGE
CONDITIONS
THE AQUEOUS AND ALCOHOLIC SOLUTIONS OF SODIUM
BENZOATE POSSESS A REMARKABLE ABILITY TO
PASSIVATE THE SURFACES OF METALS AND ALLOYS.
HAZARDOUS POLYMERIZATION....WILL NOT OCCUR
HAZARDOUS THERMAL
DECOMPOSITION/COMBUSTION
PRODUCTS.....NONE KNOWN
INCOMPATIBILITY
(MATERIALS TO AVOID).....NONE KNOWN
CONDITIONS TO AVOID.....EXPOSURE TO HEAT, FLAME OR IGNITION SOURCES.

SECTION 11: TOXICOLOGICAL INFORMATION

LD50 ORAL.....NO DATA
LD50 DERMAL.....NO DATA
LC50 INHALATION.....NO DATA
OTHER.....NO DATA
AMES TEST RESULTS.....NO DATA

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL
INFORMATION.....NO DATA AT THIS TIME
CHEMICAL FATE INFORMATION...NO DATA AT THIS TIME

SECTION 13: DISPOSAL CONSIDERATION

DISPOSAL METHOD.....IN ACCORDANCE WITH FEDERAL, STATE, LOCAL
REGULATIONS
REPORTABLE QUANTITY.....NOT APPLICABLE

SECTION 14: TRANSPORT INFORMATION

DOT SHIPPING NAME.....NOT REGULATED
DOT HAZARD CLASS.....NOT APPLICABLE
DOT LABELS.....NONE REQUIRED
UN NUMBER.....NOT APPLICABLE
PLACARDS.....NOT APPLICABLE
IATA.....REFER TO AIR CARRIER
IMO/IMDG.....REFER TO TRANSPORTER
TRANSPORT EMERGENCY
PROCEDURES.....CONTACT CHEMTREC 1-800-424-9300
IN CANADA CONTACT CANUTEC 1-613-996-6666
OTHER.....NOT APPLICABLE

SECTION 15: REGULATORY INFORMATION

SARA SECTION 302.....NO
SARA SECTION 304.....NO
SARA (313) CHEMICALS.....NO
EPA TSCA INVENTORY.....APPEARS
CERCLA SECTION 103.....NO
CANADIAN WHMIS
CLASSIFICATION.....NOT CONTROLLED
CANADIAN DOMESTIC
SUBSTANCES LIST (DSL).....APPEARS
CALIFORNIA PROPOSITION 65...NO
EINECS INVENTORY.....APPEARS
OTHER.....THIS PRODUCT MAY BE SUBJECT TO REGULATIONS IN
THE FOLLOWING STATES: MA, MN, NJ, PA

SECTION 16: ADDITIONAL INFORMATION

DISCLAIMER.....THIS MATERIAL SAFETY DATA SHEET WAS PRODUCED
FROM RELIABLE SOURCES. HOWEVER, IT IS PROVIDED
WITHOUT REPRESENTATION OR WARRANTY EXPRESSED OR
IMPLIED REGARDING ACCURACY OR CORRECTNESS.
CONDITIONS AND METHODS OF USE ARE BEYOND THE
CONTROL AND KNOWLEDGE OF JLM MARKETING, INC.
JLM MARKETING, INC. DOES NOT ASSUME ANY

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RESPONSIBILITY AND EXPRESSLY DISCLAIMS
LIABILITY FOR INJURY, LOSS, DAMAGE OR EXPENSES
ARISING FROM THE USE OF THIS PRODUCT.

ABBREVIATIONS USED.....ABBREVIATIONS USED THROUGHOUT THIS MSDS ARE:
ACGIH = AMERICAN CONFERENCE OF GOVERNMENTAL
INDUSTRIAL HYGIENISTS
TWA = TIME WEIGHTED AVERAGE (EXPOSURE VALUES)
STEL = SHORT TERM EXPOSURE LIMITS
OSHA = OCCUPATIONAL SAFETY AND HEALTH
ADMINISTRATION
PEL = PERMITTED EXPOSURE LIMITS
ppm = PARTS PER MILLION
mg = MILLIGRAMS
NIOSH = NATIONAL INSTITUTE FOR OCCUPATIONAL
HEALTH AND SAFETY
MSHA = MINE SAFETY AND HEALTH ADMINISTRATION
lb = POUNDS
m3 = PER METRE CUBED
NTP = NATIONAL TOXICOLOGICAL PROGRAM
g = GRAMS
ml = MILLILITRE
RTECS = REGISTRY OF TOXICS EFFECTS OF CHEMICAL
SUBSTANCES (NIOSH)

DATA PREPARED BY:.....CONFORM ACTION DATA SYSTEMS (U.S.) INC.
150 DORSET ST. UNIT 249
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SECTION 17: LABEL INFORMATION

WARNING/PRECAUTIONS.....DANGER - FLAMMABLE SOLID. MAY REACT WITH AIR OR
ON CONTACT WITH WATER. KEEP CONTAINERS TIGHTLY
SEALED AND PROTECT FROM DAMAGE OR CONTACT WITH
AIR OR MOISTURE. HARMFUL IF SWALLOWED. CAUSES
EYE, SKIN AND RESPIRATORY IRRITATION. WEAR
APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT
DESCRIBED IN THIS MSDS. TO BE HANDLED BY
PROPERLY TRAINED PERSONNEL ONLY. USE WITH
ADEQUATE VENTILATION. AVOID ALL CONTACT WITH
THIS PRODUCT. USE NON-SPARKING TOOLS. STORE IN
DRY, COOL WELL VENTILATED AREA AWAY FROM ALL
SOURCES OF HEAT. EMPTY CONTAINERS MAY CONTAIN
HAZARDOUS RESIDUE AND SHOULD BE DISPOSED OF
ACCORDINGLY.

FOR FURTHER INFORMATION.....SEE THE MATERIAL SAFETY DATA SHEET
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