



SAFETY DATA SHEET

EFFECTIVE: May 7, 2015

ORIGINAL: May 7, 2015

This Safety Data Sheet conforms to the format requirements of the Global Harmonizing System and complies with Hazard Communication Standard (HCS) of 29 CFR 1910.1200.

SECTION 1: IDENTIFICATION

Chemistry Connection
253 Sturgis Road
Conway, AR 72034
(501) 470-9689

PRODUCT IDENTITY:	SODIUM BENZOATE 33%, AQUEOUS SOLUTION
COMMON NAME OR SYNONYMS:	BENZOATE OF SODA; SODIUM BENZOATE
PRODUCT USE:	PRESERVATIVE AND ANTIMICROBIAL AGENT
24 Hour Emergency Phone:	CHEMTREC 800-424-9300

SECTION 2: HAZARD(S) IDENTIFICATION

WARNING! Irritant (skin and eye)

HAZARD STATEMENTS:

(H300s) HEALTH: Sldn Corrosion/Irritation: Category 3

H316 CAUSES MILD SKIN IRRITATION

(H300s) HEALTH: Serious Eye Damage/Eye Irritation: Category 2A

H319 CAUSES SERIOUS EYE IRRITATION

(H300s) HEALTH: Acute Toxicity/Oral: Category 5

H303 MAY BE HARMFUL IF SWALLOWED



PRECAUTIONARY STATEMENTS:

P100s = General, P200s = Prevention, P300s = Response, P400s = Storage, P500s = Disposal

P264 Wash exposed skin thoroughly after handling.

P280 Wear eye protection/face protection

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

Reference: GHS Purple Book-Annex 3

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

MATERIAL	CAS#	WT%
SODIUM BENZOATE	532-32-1	32.8-33.2
WATER	7732-18-5	67.2-66.8

SECTION 4: FIRST-AID MEASURES

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT-FLUSH EYE WITH WATER 15 MINUTES OR LONGER

SKIN CONTACT-RINSE CONTACTED AREA WELL WITH WATER

INHALATION -CALL A POISON CENTER OR DOCTOR IF YOU FEEL UNWELL

IF SWALLOWED-RINSE (DO NOT SWALLOW) MOUTH WITH PLENTY OF WATER, CONTACT POISON CENTER FOR ADVICE/ASSISTANCE IF UNWELL

SECTION 5: FIRE-FIGHTING MEASURES

FIRE & EXPLOSION PREVENTION MEASURES: NON-FLAMMABLE LIQUID

SUITABLE EXTINGUISHING MEDIA: EXTINGUISHING AGENTS APPROPRIATE FOR SURROUNDING FIRE

NON-SUITABLE EXTINGUISHING MEDIA: NONE KNOWN

SPECIAL PROTECTIVE EQUIPMENT & PRECAUTIONS: FIREFIGHTERS SHOULD WEAR PROTECTIVE EQUIPMENT AND SELF-CONTAINED BREATHING APPARATUS FOR FIGHTING SURROUNDING FIRE

HAZARDOUS COMBUSTION PRODUCTS: MAY PRODUCE TOXIC SUBSTANCE IF EVAPORATED TO SOLIDS AND DECOMPOSES

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: EQUIPMENT SHOULD BE ADEQUATE TO PREVENT SKIN & EYE CONTACT.

EMERGENCY PROCEDURES: EVACUATION NOT REQUIRED; WATERPROOF CLOTHING RECOMMENDED IF LARGE SPILL-BOOTS

METHODS AND MATERIALS FOR CONTAINMENT: USE STANDARD CONTAINMENT SOCKS, PADS & PILLOWS FOR CONTAINMENT; NO KNOWN RESTRICTION ON MATERIAL FOR SHORT-TERM DRAIN COVERS

CLEANUP PROCEDURES: ABSORB ON FIRE RETARDANT TREATED SAWDUST, DIATOMACEOUS EARTH; MIX AND SCOOP UP SLURRY AND PLACE IN SUITABLE WASTE DISPOSAL CONTAINER. WASH RESIDUAL WITH WATER. CONTAINERS SHOULD BE TRANSPORTED AND DISPOSED OF ACCORDING TO LOCAL AND REGIONAL AUTHORITIES.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: USE NORMAL SAFETY PROCEDURES AVOIDING DIRECT CONTACT WITH EYES AND SKIN. USE GOOD PERSONAL HYGIENE AND GOOD HOUSE KEEPING PROCEDURES. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

KEEP CONTAINERS SEALED WHEN NOT IN USE TO AVOID SPILLS.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS:

MATERIAL	CAS#	EINECS#	TWA (OSHA)	TLV (ACGIH)
Sodium Benzoate	532-32-1	-	None Known	None Known

APPROPRIATE ENGINEERING CONTROLS: USE IN ENCLOSED SYSTEM WHEN POSSIBLE, USE CORROSION RESISTANT STORAGE TANKS TRANSFER LINES.

RESPIRATORY EXPOSURE CONTROLS: USE NIOSH/OSHA APPROVED RESPIRATOR

VENTILATION LOCAL OR SPECIAL-LOCAL IS RECOMMENDED

INDIVIDUAL PROTECTION MEASURES SUCH AS PERSONAL PROTECTIVE EQUIPMENT:

EYE/FACE PROTECTION-OSHA STANDARD SAFETY GLASSES WITH SIDE SHIELDS & CHEMICAL GOGGLES IF CONTACT LIKELY

SKIN PROTECTION-PROTECTIVE GLOVES RECOMMENDED AND APRONS OR APPROPRIATE WORK CLOTHING & BOOTS IMPERVIOUS TO MATERIAL. PVC OR NITRILE RECOMMENDED.

HYGIENE MEASURES-PROVIDE READILY ACCESSIBLE EYE WASH AND SAFETY SHOWERS; WASH HANDS PRIOR TO EATING; DESTROY CONTAMINATED LEATHER WEAR AND LAUNDER OR DESTROY CONTAMINATED CLOTHING.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE- CLEAR LIQUID

LOWER FLAMMABLE LIMIT-NOT APPLICABLE

UPPER PLAMMADLE LIMIT-NOT APPLICABLE

ODOR-TYPICAL OF PRODUCT

ODOR THRESHOLD-NOT AVAILABLE

VAPOR PRESSURE (MMHG)-NOT AVAILABLE

VAPOR DENSITY (AIR=1)- NOT AVAILABLE

pH 6.8-7.2

RELATIVE DENSITY- 1.136 @ 25 C

MELTING POINT-NOT APPLICABLE

FREEZE POINT-NOT AVAILABLE

SOLUBILITY-INFINITE

INITIAL BOILING POINT-NOT AVAILABLE

FLASH POINT-NOT APPLICABLE

EVAPORATION RATE-NOT AVAILADLE

FLAMMABILITY-NOT APPLICABLE

PARTITION COEFFICIENT (N-OCTANOL/WATER)-NOT AVAILABLE

AUTO-IGNITION TEMPERATURE-NOT APPLICABLE

DECOMPOSITION TEMPERATURE-NOT AVAILABLE

VISCOSITY-NOT AVAILABLE

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY AND CHEMICAL STABILITY: STABLE UNDER NORMAL CONDITIONS; NO STABILIZERS REQUIRED

CONDITIONS TO AVOID: EXCESS HEAT

INCOMPATIBLE MATERIALS: STRONG ACIDS AND OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON DIOXIDE AND CARBON MONOXIDE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE HAZARDS:

EYE & SKIN-MAY CAUSE IRRITATION TO SKIN

MAY CAUSE SERIOUS IRRITATION TO EYES

INHALATION-MIST MAY CAUSE IRRITATION

SWALLOWING-POSSIBLE IRRITATION IF SWALLOWED. INGESTION OF LARGE QUANTITIES MAY CAUSE ABDOMINAL IRRITATION, NAUSEA, VOMITING & DIARRHEA

SUBCHRONIC HAZARDS/CONDITIONS AGGRAVATED:

PRE-EXISTING DISORDERS OF ANY TARGET ORGANS IDENTIFIED IN THIS DOCUMENT CAN BE AGGRAVATED BY OVER-EXPOSURE OF THIS PRODUCT BY ROUTES IDENTIFIED IN THIS DOCUMENT-PERSONS WITH SUCH DISORDERS SHOULD AVOID USE OF THIS PRODUCT.

CHRONIC HAZARDS:

CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS

THIS PRODUCT HAS NO CARCINOGENS LISTED BY IARC, NTP, NIOSH, OSHA OR ACGIH GREATER OR EQUAL TO 0.1 %

TARGET ORGANS-NOT CLASSIFIED ON AVAILABLE DATA

IRRITANCY- IRRITATING TO CONTAMINATED TISSUE

SENSITIZATION- NON-SENSITIZER

MUTAGENICITY-NO MUTAGENIC ACTIVITY IN THE IN-VITRO AMES TEST

EMBRYOTOXICITY-NO KNOWN REPORTS OF EMBRYOTOXIC EFFECTS IN HUMANS

TERATOGENICITY-NO KNOWN REPORTS OF TERATOGENIC EFFECTS IN HUMANS

REPRODUCTIVE TOXICITY-NO KNOWN REPORTS OF REPRODUCTIVE EFFECTS IN HUMANS

MAMMALIAN TOXICITY INFORMATION:

LD50 (ORAL, RAT) -> 6,000 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

EFFECTS OF MATERIAL ON PLANTS AND ANIMALS: THIS PRODUCT MAY BE HARMFUL TO PLANT AND ANIMAL LIFE IF RELEASED INTO THE ENVIRONMENT.

BIOCHEMICAL OXYGEN DEMAND (BOD)-UNKNOWN
CHEMICAL OXYGEN DEMAND (COD)-UNKNOWN

ECOTOXICITY FISH 96 HOUR LC50: 1467 mg/L

EFFECTS OF MATERIAL ON AQUATIC LIFE: ALGAE 72 HOUR EC50: >30.5 mg/L

MOBILITY IN SOIL: MOBILITY OF THIS MATERIAL HAS NOT BEEN DETERMINED

DEGRADABILITY: 90% READILY BIODEGRADABLE

ACCUMULATION: BIOACCUMULATION OF THIS PRODUCT HAS NOT BEEN DETERMINED

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE PRODUCT SHOULD NOT BE DISPOSED OF TO THE SEWER UNLESS FULLY COMPLIANT WITH ALL REGULATORY AUTHORITIES THAT HAVE JURISDICTION TO REGULATE DISPOSAL BY SUCH MEANS. UNUSED OR CONTAMINATED PRODUCT SHOULD BE DISPOSED OF IN ORIGINAL CONTAINER BY A WASTE DISPOSAL CONTRACTOR LICENSED TO HANDLE THIS PRODUCT. INSTRUCTIONS FOR RESPONSIBLE COLLECTION OF TOTES ARE DISPLAYED ON TOTES-THEY SHOULD BE IN "DRIP DRY" STATE FOR PICKUP. ALL OTHER CONTAINERS SHOULD BE COLLECTED BY AN AUTHORIZED RECYCLER IF POSSIBLE AND SHOULD BE IN A "DRIP DRY" STATE.

SECTION 14: TRANSPORT INFORMATION

DOT/TDG SHIP NAME: NOT REGULATED
DRUM/TOTE LABEL: NONE
SPECIAL PRECAUTIONS: NONE

SECTION 15: REGULATORY INFORMATION

EPA REGULATION:

SARA SEC.TYON 311/312 HAZARDS: Immediate (acute) Health Ha7.ard
All components of this product are on the TSCA list. This material contains no known products restricted under SARA Title III, Section 313 in amounts greater than or equal to 1%.



STATE REGULATIONS:

CALIFORNIA SAFE DRINKING WATER & TOXIC ENFORCEMENT ACT (PROPOSITION 65): This product contains no chemicals known to the State of California to cause cancer or reproductive toxicity.

INTERNATIONAL REGULATIONS:

The identified components of this product are: listed (X), not listed (NL) or not determined (ND) on the chemical inventories of the following countries: Australia (AICS)-X, Canada (DSL or NDSL)-X, China (IECSC)-X, Europe (TIINECS or ELINCS)-X, Japan (METI/CSCL, MHLW/ISHL)-X, South Korea (KECI)-X, New Zealand (NZIoC)-X, Philippines (PICCS)-X, Switzerland (SWISS)-ND, Taiwan (NECSI)-X, USA (TSCA)-X.

CANADA: WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

NOT AVAILABLE

SECTION 16: OTHER INFORMATION

HAZARD RATINGS:

NFPA: HEALTH: 1, FLAMMABILITY: 0, INSTABILITY/ REACTIVITY: 0

HMIS: HEALTH: 1, FLAMMABILITY: 0, PHYSICAL HAZARD: 0

This information is intended solely for individuals trained in NFPA & HMIS hazard warning systems.

EMPLOYEE TRAINING:

EMPLOYEES SHOULD BE MADE AWARE OF ALL HAZARDS STATED IN THIS SDS.

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