

** Material Safety Data Sheet **

1 of 4

PRODUCT IDENTIFICATION

PRODUCT NAME: Rio Pickle

DATE ISSUED: 3/2001

SUPERSEDES: 7/98

ISSUED BY: 008548

SECTION I IDENTIFICATION

PRODUCT NAME: Rio Pickle

GENERAL OR GENERIC

IDENTIFICATION: SODIUM ACID SULFATE, NITRE CAKE, SODIUM HYDROGEN SULFATE

SECTION 2 PRODUCT INGREDIENTS

CHEMICAL FORMULA: NaHSO4

HAZARDOUS COMPONENTS:

INGREDIENT	PERCENT (BY WEIGHT)	PEL	TLV
SODIUM BISULFATE	93.2	NONE ESTABLISHED	NONE ESTABLISHED
SODIUM SULFATE	6.5	NONE ESTABLISHED	NONE ESTABLISHED

SECTION 3 HAZARDOUS HEALTH DATA

PRINCIPLE HEALTH HAZARDS, INCLUDING SIGNIFICANT ROUTES, EFFECTS, AND SYMPTOMS OF OVEREXPOSURE AND MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE MAY BE:

EYE: MILD TO SEVERE IRRITANT. MAY CAUSE BURNS IF NOT FLUSHED WITH WATER.

SKIN: MODERATE IRRITANT. MAY CAUSE BURNS IF NOT FLUSHED WITH WATER.

INHALATION: IRRITANT. MAY IRRITATE OR BURN NOSE, THROAT AND LUNGS. NO EXPOSURE LIMITS ESTABLISHED.

INGESTION: IRRITANT. MAY IRRITATE OR BURN MOUTH, ESOPHAGUS OR STOMACH.

CARCINOGENICITY: NOT LISTED AS CARCINOGEN BY NTP, IARC OR OSHA.

SECTION 4 FIRST AID

IN EYES: IMMEDIATELY FLUSH WITH WATER FOR FIFTEEN (15) MINUTES, LIFTING EYELIDS TO THOROUGHLY FLUSH. GET PROMPT MEDICAL ATTENTION.

ON SKIN: IMMEDIATELY FLUSH WITH WATER FOR FIFTEEN (15) MINUTES. IF BURN OCCURS, OBTAIN MEDICAL HELP.

IF INHALED: MOVE TO FRESH AIR LOCATION. IF IRRITATION OR DISCOMFORT

PERSISTS, SEEK MEDICAL ATTENTION.

IF SWALLOWED: DRINK LARGE QUANTITIES OF MILK OR WATER. FOLLOW WITH MILK OF MAGNESIA, BEATEN EGGS OR VEGETABLE OIL. DO NOT INDUCE VOMITING. CONTACT PHYSICIAN IMMEDIATELY.

SECTION 5 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: NOT APPLICABLE, WILL NOT BURN.

EXPLOSIVE LIMITS:

(UPPER): NOT APPLICABLE

(LOWER)- NOT APPLICABLE

EXTINGUISHING MEDIA: WATER OR DRY CHEMICAL AS APPROPRIATE FOR COMBUSTIBLES IN AREA. AVOID WATER CONTACT TO MATERIAL IF POSSIBLE.

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS: AT TEMPERATURES OVER 806 F, PRODUCT WILL DECOMPOSE, GENERATING OXIDES OF SULFUR.

UNUSUAL FIRE AND EXPLOSION HAZARDS: PRODUCT READILY DISSOLVES IN WATER TO FORM A WEAK SULFURIC ACID SOLUTION. NO GASES OR TOXIC FUMES ARE EMITTED FROM THIS REACTION, BUT PRECAUTIONS FOR EXPOSURE TO SULFURIC ACID SHOULD BE FOLLOWED.

SPECIAL FIRE FIGHTING PROCEDURES: IF WATER IS USED TO EXTINGUISH COMBUSTIBLES AND PRODUCT IS DISSOLVED IN WATER FORMING SULFURIC ACID, WEAR ACID PROTECTIVE EQUIPMENT. IF ELEVATED TEMPERATURES (> 5700F) ARE REACHED, SELF-CONTAINED BREATHING APPARATUS SHOULD BE WORN.

SECTION 6 SPILL OR LEAK PROCEDURES

SMALL SPILLS: MATERIAL IS GRANULAR PRODUCT AND CAN BE SWEEPED UP FROM SURFACES.

LARGE SPILLS: PICK UP AS MUCH MATERIAL AS POSSIBLE WITH SHOVEL OR OTHER TOOL. NEUTRALIZE BALANCE OF SPILL WITH WEAK ALKALINE SOLUTION AND WASH DOWN TO SEWER IF FEDERAL, STATE OR LOCAL REGULATIONS PERMIT.

SECTION 7 SAFE HANDLING AND STORAGE

AVOID CONTACT WITH SKIN, EYES OR CLOTHING.

DO NOT STORE WHERE EXPOSED TO MOIST CONDITIONS OR NEAR STRONG ALKALIS.

KEEP CONTAINERS TIGHTLY CLOSED.

WEAR ALL RECOMMENDED PROTECTIVE EQUIPMENT WHEN HANDLING.

SECTION 8 PERSONAL PROTECTION DATA

VENTILATION: LOCAL VENTILATION TO A DUST COLLECTOR IS RECOMMENDED.

RESPIRATORY PROTECTION: NIOSH OR MSA CERTIFIED DUST MASK SHOULD BE WORN WHILE HANDLING PRODUCT TO CONTROL EXPOSURE BELOW NUISANCE DUST LIMITS OF 10 MG/M3.

PROTECTIVE GLOVES: WEAR ACID RESISTANT GLOVES SUCH AS RUBBER OR NEOPRENE.

EYE PROTECTION: SAFETY GLASSES OR GOGGLES.

OTHER PROTECTIVE EQUIPMENT: CLOTHES SHOULD COMPLETELY COVER SKIN TO AVOID SKIN CONTACT. COATS, COVERALLS OR APRONS ARE RECOMMENDED.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

PROPERTY	VALUE
MELTING POINT	350 F
BULK DENSITY	83 LB / CU FT

SOLUBILITY 100%
PERCENT VOLATILE NON-VOLATILE

DESCRIPTION: OFF-WHITE, BEAD-LIKE, GRANULAR DRY MATERIAL.

SECTION 10 REACTIVITY DATA

STABILITY: STABLE

INCOMPATIBILITY: AVOID CONTACT WITH STRONG ALKALINE MATERIALS SUCH AS CAUSTIC. REACTS WITH WATER TO FORM WEAK SULFURIC ACID SOLUTION. DO NOT MIX WITH LIQUID CHLORINE BLEACH, AMMONIA CLEANSERS OR SIMILAR PRODUCTS.

CONDITIONS TO AVOID: STORE IN DRY AREA TO AVOID MOISTURE CONTACT.

HAZARDOUS DECOMPOSITION: NONE, UNLESS HEATED OVER 806 F, AT WHICH SULFUR DIOXIDE AND SULFUR TRIOXIDE ARE FORMED.

SECTION 11 TOXICOLOGICAL INFORMATION

NOTES TO PHYSICIAN:

EYES: NATURAL WATERING OF EYES WILL DISSOLVE SODIUM BISULFATE, FORMING A WEAK SULFURIC ACID SOLUTION WHICH MAY CAUSE BURNS. FLUSH EFFECTED AREA THOROUGHLY WITH WATER. DO NOT USE CHEMICAL ANTIDOTES OR NEUTRALIZING SOLUTIONS.

SKIN: MILD BURNS MAY OCCUR IF NOT THOROUGHLY FLUSHED PREVIOUSLY.

INHALATION: MILD BURNING SENSATIONS MAY OCCUR TO MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT.

INGESTION: BODY WATER CONTENT WILL REACT WITH SODIUM BISULFATE TO FORM A WEAK SULFURIC ACID SOLUTION, WHICH MAY BURN TISSUES IN MOUTH, ESOPHAGUS OR STOMACH. SOLUTION SHOULD BE DILUTED TO REDUCE BURNING EFFECT.

SECTION 12 ECOLOGICAL INFORMATION

ANIMAL TEST DATA: 1) LD50 RAT 2800 MG / KG.

2) THIS MATERIAL IS NEITHER CORROSIVE NOR DESTRUCTIVE TO THE SKIN OF NEW ZEALAND RABBITS. OCCASIONALLY, A VERY SLIGHT RASH MAY APPEAR.

SECTION 13 DISPOSAL CONSIDERATIONS

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

SECTION 14 TRANSPORTATION INFORMATION

HAZARD CLASSIFICATION (DOT): NOT CLASSIFIED AS HAZARDOUS

PROPER D.O.T. SHIPPING NAME: NITRE CAKE (SODIUM BISULFATE)

SECTION 15 REGULATORY INFORMATION

CAS NUMBER: 7681-38-1

NIOSH REGISTRY NO.: UNKNOWN

OTHER REGISTRIES: ANABSTR, APILIT, APILIT2, APIPAT, APIPAT2, BEILSTEIN, BIOBUSINESS,

BIOSIS, CA, CAOLD, CAPREVIEWS, CASREACT, CEN, CHEMINFORMRX, CHEMLIST, CBNB, CIN, CJACS, CSHEM, CSNB, DETHERM, DIPPR, DSL, EINECS, EMBASE, GMELIN, HSDS, IFICDB, IFIPAT, IFIUDB, IPA, JANAF, MEDLINE, MRCK, MSDS-OHS, MSDS-PEST, MSDS-SUM, PDLCOM, PIRA,

PNI, PROMT, RTECS, TOXLINE, TOXLIT, TRCTHERMO, TSCA, USAN, VTB.

OSHA HAZARD COMMUNICATIONS HEALTH HAZARD CLASSIFICATION: IRRITANT

SECTION 312 OR SARA TITLE III HAZARD CATEGORY: ACUTE

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS) RATING:

HEALTH	FLAMMABILITY EQUIPMENT	REACTIVITY	PROTECTIVE
1	0	1	F

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) RATING:

HEALTH	FLAMMABILITY	REACTIVITY	SPECIAL NOTICE
1	0	1	NONE

DO NOT USE INGREDIENT INFORMATION AND/OR INGREDIENT PERCENTAGES IN THIS MSDS AS A PRODUCT SPECIFICATION. FOR PRODUCT SPECIFICATION INFORMATION REFER TO A PRODUCT SPECIFICATION SHEET AND/OR A CERTIFICATE OF ANALYSIS.

"The information herein is given in good faith, but no warranty, express or implied, is made."

* * * E N D O F M S D S * * *