

MATERIAL SAFETY DATA SHEET: GOOD RIDDANCE**Section I - General Information**

(000000-000000- - 0677)

Date of Issue:

4/12/2006 12:00:00 AM

Supersedes:

1/24/2006 12:00:00 AM

Chemical Name & Synonyms:

N/A

Trade Name & Synonyms:

GOOD RIDDANCE

Chemical Family:

THIOSULFATE/SURFACTANT SOLUTION

Formula is a mixture: **Manufacturer Name:**

CHEMSEARCH DIV. OF NCH CORP.

Manufacturer Address:BOX 152170
IRVING, TX 75015**Prepared By:**

M McDowell/Chemist

Product Code Number:

0677

Emergency Phone Number:

800-424-9300

Section II - Hazardous Ingredients

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

Chemical Name (Ingredients)	Hazard	TLV	PEL	STEL	CAS #
SODIUM THIOSULFATE	IRRITANT	N/E 1	N/E 2	N/E	7772-98-7
TETRASODIUM EDTA HYDRATE	IRRITANT	N/E 1	N/E 2	N/E	64-02-8
SODIUM METABISULFITE	IRRITANT	5 MG/M3 1	N/E 2	N/E	7681-57-4
SODIUM LAURYL SULFATE	IRRITANT	N/E 1	N/E 2	N/E	151-21-3
C9-11 ETHOXYLATED ALCOHOLS	IRRITANT	N/E 1	N/E 2	N/E	68439-46-3

Section III - Physical Data

Boiling Point (°F): 212°	Specific Gravity (H ₂ O=1): 1.037
Vapor Pressure (mm Hg): 16.68	Color: COLORLESS
Vapor Density (Air=1): 0.6	Odor: FRESH-CLEAN
pH @ 100%: 5.8	Clarity: TRANSPARENT
% Volatile by Volume: 91	Evaporation Rate (BuAc=1): 0.53
H ₂ O Solubility: COMPLETE	Viscosity: NON-VISCOUS

Section IV - Fire and Explosion HazardFlash Point: >230°F
Flammable Limits: N/A
LEL: N/AMethod Used: SETAFLASH
UEL: N/A
Aerosol Level (NFPA 30B): N/A**Extinguishing Media:** Foam Alcohol Foam CO₂**NFPA 704 Hazard Rating:**4-Extreme Health: 1
3-High

Dry Chemical Water Spray Other

2-Moderate

Flammability: 1

1-Slight

Instability: 0

0-Insignificant

Special:

Special Fire Fighting Procedures:

FIREFIGHTERS SHOULD WEAR A SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. EXTINGUISHING MEDIA SHOULD BE CHOSEN BASED ON THE NATURE OF THE SURROUNDING FIRE. COOL FIRE-EXPOSED CONTAINERS WITH WATER SPRAY TO PREVENT BURSTING.

Unusual Fire and Explosion Hazards:

THE USE OF WATER SPRAY (FOG) WHILE EFFECTIVE, MAY CAUSE FROTHING AND FOAMING. NEVER USE A WATER JET AS THIS WILL JUST SPREAD THE FIRE. USE CARE AS SPILLS MAY BE SLIPPERY.

Section V - Health and Hazard Data

Threshold Limit Value:

NOT ESTABLISHED.

Effects of Overexposure:

Acute: (Short Term Exposure)

EYE CONTACT: MAY CAUSE IRRITATION SEEN AS STINGING, SWELLING, TEARING, AND REDNESS. PROLONGED CONTACT MAY CAUSE CORNEAL DAMAGE AND POSSIBLE BLINDNESS. SKIN CONTACT: MAY CAUSE IRRITATION SEEN AS ITCHING AND REDNESS. MAY CAUSE ALLERGIC SKIN REACTION SEEN AS DELAYED SKIN RASH WHICH MAY BE FOLLOWED BY BLISTERING, SCALING, AND OTHER SKIN EFFECTS. INHALATION: MIST CAUSES RESPIRATORY IRRITATION SEEN AS COUGHING, SNEEZING, AND SHORTNESS OF BREATH. MAY CAUSE ALLERGIC RESPIRATORY REACTION. INGESTION: MAY CAUSE IRRITATION WITH POSSIBLE NAUSEA, VOMITING, AND DIARRHEA. SULFITE-SENSITIVE INDIVIDUALS MAY EXPERIENCE A SEVERE ALLERGIC REACTION. LARGE DOSES MAY CAUSE VIOLENT COLIC, CIRCULATORY DISTURBANCES, CENTRAL NERVOUS SYSTEM DEPRESSION, AND DEATH.

Chronic: (Long Term Exposure)

MAY CAUSE SKIN AND RESPIRATORY SENSITIZATION IN SOME INDIVIDUALS. MAY CAUSE SYSTEMIC SENSITIZATION THROUGH INGESTION. EXPOSURE TO ASTHMATIC, ATOPIC, AND SULFITE SENSITIVE INDIVIDUALS MAY RESULT IN SEVERE BRONCHO CONstriction, GASTROINTESTINAL DISTURBANCES, ANGIO EDEMA, FLUSHING, TINGLING SENSATIONS, SHOCK, AND REDUCED LEVELS IN FORCED EXPIRATORY VOLUME. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE ARE PRE-EXISTING RESPIRATORY AND SKIN CONDITIONS SUCH AS ASTHMA, EMPHYSEMA, AND DERMATITIS. TARGET ORGANS: LUNGS. THE PRIMARY ROUTES OF EXPOSURE ARE SKIN AND EYE CONTACT.

Primary Routes of Entry

Inhalation

Ingestion

Absorption

Emergency First Aid Procedures:

Inhalation:

REMOVE FROM THE AREA TO FRESH AIR. IF NOT BREATHING, CLEAR THE AIRWAY AND START MOUTH TO MOUTH ARTIFICIAL RESPIRATION. GET IMMEDIATE MEDICAL ATTENTION.

Eye Contact:

RINSE THE EYES WITH WATER. REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING WITH PLENTY OF WATER FOR SEVERAL MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS.

Skin Contact:

WASH AFFECTED AREAS WITH LARGE AMOUNTS OF SOAP AND WATER FOR 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND SHOES. GET IMMEDIATE MEDICAL ATTENTION. WASH CLOTHING AND CLEAN SHOES BEFORE REUSE.

Ingestion:

GIVE 3 TO 4 GLASSES OF WATER, BUT DO NOT INDUCE VOMITING. IF VOMITING OCCURS, GIVE FLUIDS AGAIN. SEEK MEDICAL ATTENTION IF DISCOMFORT OCCURS.

Notes to Physician:

THERE IS NO SPECIFIC ANTIDOTE. TREAT THE PATIENT SYMPTOMATICALLY.

Section VI - Toxicity Information

Product Contains Chemicals Listed as Carcinogen or Potential Carcinogen By:

IARC

NTP

OSHA

ACGIH

Other

VOC CONTENT: 0.5% BY WEIGHT; 0.8% BY VOLUME; 8.638 G/L

SODIUM THIOSULFATE
ORL-HMN TDLo: 300 MG/KG/7D 3.

TETRASODIUM EDTA HYDRATE
SKN-RBT SDT: 500 MG/24H MODERATE 3.
EYE-RBT SDT: 100 MG/24H MODERATE 3.
ORL-RAT LD50: 630-1260 MG/KG 4.

EDTA AND ITS SODIUM SALTS HAVE BEEN REPORTED TO CAUSE BIRTH DEFECTS IN LABORATORY ANIMALS ONLY AT EXAGGERATED DOSES THAT WERE TOXIC TO THE MOTHER. THESE EFFECTS ARE LIKELY ASSOCIATED WITH ZINC DEFICIENCY DUE TO CHELATION. EXPOSURES HAVING NO EFFECT ON THE MOTHER SHOULD HAVE NO EFFECT ON THE FETUS. 4.

SODIUM METABISULFITE
ORL-RAT LD50: 1131 MG/KG 3.
SKN-RAT LD50: >2 G/KG 3.
SKN-RBT SDT: 500 MG 3.
EYE-RBT SDT: 100 MG/24H MILD 3.

PRODUCT MIXTURE (BASED ON A SIMILAR COMPOUND)
MIXTURE WAS TESTED PER FHSA/CPSC REGULATIONS AND DETERMINED TO BE A MILD EYE IRRITANT. 4.
SKN-RBT PRIMARY IRRITATION TEST: 1.34 SLIGHT IRRITANT 4.

SODIUM LAURYL SULFATE
ORL-RAT LD50: 1288 MG/KG 3.
IHL-RAT LC50: >3900 MG/M3/1H 3.
SKN-RBT LD50: >2000 MG/KG AND <20000 MG/KG 4.
SKN-RBT SDT: 50 MG/24H SEVERE 3.
EYE-RBT SDT: 100 MG/24H MODERATE 3.
EYE-RBT IRR SCORE: 34.3 4.

Section VII - Reactivity Data

Stability

Stable

Unstable

Conditions to Avoid:
NONE KNOWN

Hazardous Polymerization

Will not occur

May occur

Conditions to Avoid:
N/A

Incompatibility (Materials to Avoid):

STRONG OXIDIZING AGENTS SUCH AS CHLORINE BLEACH AND CONCENTRATED HYDROGEN PEROXIDE; STRONG ACIDS, HALOGENS, AND SODIUM NITRATE. CONTACT WITH FINELY DIVIDED METALS SUCH AS ALUMINUM, CARBON, STEEL, COPPER, COPPER ALLOYS, NICKEL, AND ZINC MAY PRODUCE HYDROGEN GAS.

Hazardous Decomposition Products:

OXIDES OF CARBON SODIUM, AND SULFUR; HYDROGEN SULFIDE, AMMONIA.

Section VIII - Spill Or Leak Procedures

Steps to be Taken if Material is Released or Spilled:

ABSORB WITH A DAMP CLOTH AND RINSE AREA INTO A SANITARY SEWER. USE CARE AS SPILLS MAY BE SLIPPERY.

Waste Disposal Method(s):

DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.

Neutralizing Agent:

N/A

Section IX - Special Protection Information

Required Ventilation:

LOCAL VENTILATION IS RECOMMENDED TO CONTROL EXPOSURE FROM OPERATIONS THAT CAN GENERATE EXCESSIVE LEVELS OF MISTS. LOCAL VENTILATION IS PREFERRED, BECAUSE IT PREVENTS DISPERSION INTO WORK AREAS BY CONTROLLING IT AT ITS SOURCE.

Respiratory Protection:

RESPIRATORS SHOULD BE SELECTED BY AND USED UNDER THE DIRECTION OF A TRAINED HEALTH AND SAFETY PROFESSIONAL FOLLOWING REQUIREMENTS FOUND IN OSHA'S RESPIRATOR STANDARD (29 CFR 1910.134) AND ANSI'S STANDARD FOR RESPIRATORY PROTECTION (Z88.2-1992). FOR CONCENTRATIONS ABOVE THE TLV AND/OR PEL BUT LESS THAN 10 TIMES THESE LIMITS, A NIOSH APPROVED HALF-FACEPIECE RESPIRATOR EQUIPPED WITH APPROPRIATE CHEMICAL CARTRIDGES MAY BE USED. FOR CONCENTRATIONS GREATER THAN 10 TIMES THE TLV AND/OR PEL, CONSULT THE NIOSH RESPIRATOR DECISION LOGIC FOUND IN PUBLICATION NO. 87-116 OR ANSI Z88.2-1992.

Glove Protection:

NEOPRENE OR NITRILE RUBBER GLOVES SHOULD BE WORN. ENSURE COMPLIANCE WITH OSHA'S PERSONAL PROTECTIVE EQUIPMENT (PPE) STANDARD FOR HAND PROTECTION, 29 CFR 1910.138.

Eye Protection:

SAFETY GLASSES WITH SIDE SHIELDS IF THE METHOD OF USE PRESENTS THE LIKELIHOOD OF EYE CONTACT. ENSURE COMPLIANCE WITH OSHA'S PERSONAL PROTECTIVE EQUIPMENT (PPE) STANDARD FOR EYE AND FACE PROTECTION, 29 CFR 1910.133.

Other Protection:

WEAR GENERAL-DUTY WORK CLOTHES AND SHOES. A SAFETY SHOWER AND AN EYEWASH STATION SHOULD BE AVAILABLE.

Section X - Storage and Handling Information

Storage Temperature

Max: 120°F

Min: 35°F

Storage Conditions

Indoors

Outdoors

Heated

Refrigerated

Precautions to be Taken in Handling and Storing:

ALWAYS STORE MATERIAL IN ITS ORIGINAL CONTAINER. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. KEEP FROM FREEZING. IF PRODUCT FREEZES ALLOW IT TO SLOWLY WARM TO ROOM TEMPERATURE AND STIR THOROUGHLY BEFORE USING.

Other Precautions:

KEEP OUT OF REACH OF CHILDREN. READ THE ENTIRE LABEL BEFORE USING THE PRODUCT. FOLLOW THE LABEL DIRECTIONS. TRACES OF FREE ETHYLENE OXIDE MAY BE PRESENT IN THIS PRODUCT AND COULD ACCUMULATE IN THE HEADSPACE OF STORAGE AND TRANSPORT VESSELS.

Section XI - Regulatory Information

Chemical Name

None.

CAS Number

Upper % Limit

Those Ingredients listed above are subject to the reporting requirements of 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

Please call 1-800-527-9919 for additional information if you are a California customer. This MSDS is not intended for users in the state of California.

Section XII - References

1. THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND BIOLOGICAL EXPOSURE INDICES, ACGIH, 2006. 2. OSHA PEL. 3. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, CCINFORWeb, 2006. 4. VENDOR'S MSDS. ALL THE COMPONENTS OF THIS PRODUCT ARE IN COMPLIANCE WITH THE TOXIC SUBSTANCES CONTROL ACT (TSCA) AND ARE EITHER LISTED ON THE TSCA INVENTORY OR OTHERWISE EXEMPTED FROM LISTING. IRR:IRRITANT, FLAM/FLAMM:FLAMMABLE,

COMB:COMBUSTIBLE, CORR:CORROSIVE CARC:CARCINOGENIC, TOX:TOXIC, N/A:NOT APPLICABLE, N/E:NOT ESTABLISHED, COC:CLEVELAND OPEN CUP, PMCC:PENSKY-MARTIN CLOSED CUP, TCC:TAGLIABUE CLOSED CUP, LEL:LOWER EXPLOSION LIMIT, UEL:UPPER EXPLOSION LIMIT, NFPA:NATIONAL FIRE PROTECTION ASSOCIATION, IARC:INTERNATIONAL AGENCY FOR THE RESEARCH ON CANCER, NTP:NATIONAL TOXICOLOGY PROGRAM, OSHA:OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION, ACGIH:AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS, TLV:THRESHOLD LIMIT VALUE, PEL:PERMISSIBLE EXPOSURE LIMIT, STEL:SHORT-TERM EXPOSURE LIMIT, MLD:MILD, MOD:MODERATE, SEV:SEVERE, MUT:MUTAGENIC, ASPHYX:ASPHYXIAN, PNOS:PARTICLES (INSOLUBLE) NOT OTHERWISE SPECIFIED, SDT:STANDARD DRAIZE TEST, ORL:ORAL, IHL:INHALATION, HMN:HUMAN

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