MSDS--WIPE-OUT MATERIAL SAFETY DATA SHEET WIPE OUT

DATE OF ISSUE:

04/25/2000

SUPERCEDES:

01/19/1999

SECTION I - GENERAL INFORMATION

Chemical Name & Synonyms:

Trade Name & Synonyme:

N/A

WIPE OUT

Chemical Family:

ALKALINE SOLVENT EMULSTION

Formula Mixture:

Manufacturer's Name:

CHEMSEARCH DIV. OF NCH CORP.

Address:

BOX 152170

IRVING,

TX

Prepared By:

R STOLLEY/CHEMIST

Product Code Number:

0309

Emergency Phone Number:

972-438-1381

SECTION II - HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS:

Chemical Name (Ingredients):

ETHYLENE GLYCOL MONOBUTYL ETHER

Hazard:

\$\$ 20 PPM

TLV: PELI

25 PPM 2

STEL:

NOT EST.

CAS#:

111-76-2

Chemical Name (Ingredients):

PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE

Hazard:

COMB/IRR

TLV:

NOT EST. 1

PEL:

NOT EST 2

STEL:

NOT EST.

CAS#:

108-65-6

Chemical Name (Ingredients):

DIPENTENE

Hazard:

COMB/IRR

TLV:

NOT EST. 1

PEL:

STEL: CAS#: NOT EST NOT EST. 138-86-3

TERPINOLENE

Chemical Name (Ingredients): Hazard:

COMB/IRR

TLV:

NOT EST. 1

PEL:

NOT EST. 2 NOT EST.

STEL: CAS#:

586-62-9

Chemical Name (Ingredients):

DIMETHYL GLUTARATE

Hazard: TLV:

IRRITANT NOT EST. 1

PEL: STEL: NOT EST. 2 NOT EST.

CAS#:

1119-40-4

Chemical Name (Ingredients): Hazard:

DIETHANOLAMINE IRR/TUM

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2 MG/M3

PEL:

NOT EST. 2 Page 1

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MSDS--WIPE-OUT
STEL:
                                  NOT EST.
CAS#:
                                  111-42-2
Chemical Name (Ingredients):
                                  HEAVY AROMATIC NAPHTHA
                                  COMB/IRR
Hazard:
TLV:
                                  5 MG/M3$ 1
PEL:
                                  5 MG/M35 2
STEL:
                                  NOT EST.
CAS#:
                                  64742-94-5
Chemical Name (Ingredients):
                                  MONOETHANOLAMINE
Hazard:
                                  IRRITANT
TLV:
                                  3 PPM
PEL:
                                  3 PPM
STEL:
                                  NOT EST.
CAS#:
                                  141-43-5
Chemical Name (Ingredients):
                                  NAPHTHALENE
Hazard:
                                  IRR/COMB
TLV:
                                  50 PPM
PEL:
                                  50 PPM
                                            2
STEL:
                                  NOT EST.
CAS#:
                                  91-20-3
Chemical Name (Ingredients):
                                  $ OIL MIST VALUE
                                                             $$ IRR/COMB/TOX
Hazard:
TLW:
PET.
STEL:
CAS#:
                         SECTION III - PHYSICAL DATA
Boiling Point (f):
                                                   330
Specific Gravity (H20=1):
                                           0.95
Vapor Pressure (MM HG):
                                  < 0.1
Color:
                                                   YELLOW TO AMBER
Vapor Density (Air=1):
Odor:
                                                   ETHER-LIKE
PH @ 100%:
                                           10.2025%
Clarity:
                                                   TRANSPARENT
Volatile by Volume:
Evaporation Rate (BU A/C=1):
                                           96
                                  0.1
H20 Solubility:
                                           EMULSIFIABLE
Viscosity:
                                                   NON-VISCOUS
                          SECTION IV - FIRE AND EXPLOSION HAZARD
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Flash Point: 112 F. / SETAFLASH

LEL: 0.7% UEL: 6.1%

Flammable Limits: DIPENTENE

Extinguishing Media:

Foam: X Other:

Alcohol Foam: X

CO2: X Dry Chemical: X Water Spray:

Special Fire Fighting Procedures:

FIREFIGHTERS SHOULD WEAR A SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEA COOL FIRE-EXPOSED CONTAINERS WITH WATER SPRAY TO PREVENT BURSTING.

Unusual Fire and Explosion Hazards:

VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL TO DISTANT SOURCES OF IGNITION AND FLASHBA CK. HEATED VAPORS CAN COLLECT IN AREAS WITH POOR VENTILATION AND IGNITE BELOW THE STATED FLAS HPOINT WITH AN IGNITION SOURCE.

NFPA Hazard Rating: (0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme) Health: 3 Flamability: 2 Reactivity: 1 Special:

MSDS--WIPE-OUT

SECTION V - HEALTH HAZARD DATA

Threshold Limit Value:

NOT ESTABLISHED FOR THE MIXTURE. SEE SECTION II.

Effects of Overexposure:

-Acute(Short Term Exposure)

EYE CONTACT: CAUSES SEVERE IRRITATION SEEN AS TEARING, REDNESS, BLURRED VISION, EXCESSIVE BLI NKING, SWELLING, AND A BURNING SENSATION. PROLONGED CONTACT CAN CAUSE CORNEAL DAMAGE, BURNS A ND POSSIBLE BLINDNESS. SKIN CONTACT: CAUSES SEVERE IRRITATION SEEN AS REDNESS, ITCHING AND A BURN- ING SENSATION. PROLONGED CONTACT CAN CAUSE TISSUE DESTRUCTION, ULCERATION AND BLEEDING. MAY BE ABSORBED THROUGH THE SKIN WITH EFFECTS AS THOSE FOR INGESTION. INHALATION: CAUSES RE SPIRATORY IRRITATION SEEN AS COUGHING AND SNEEZING. INHALATION OF VAPORS MAY CAUSE HEADACHE, DIZZINESS, NAUSEA, DROWSINESS, WEAKNESS, APATHY, SLURRED SPEACH, STUTTERING AND A STAGGERING GAIT. INGESTION: CAUSES SEVERE IRRITATION TO THE MOUTH AND THROAT AND MAY CAUSE NAUSEA, VOMITING AND DIARRHEA. IN SOME CASES, IT MAY CAUSE BURNS TO THE DIGESTIVE TRACT. INGESTION OF LAR GE AMOUNTS MAY PRODUCE SIGNS OF INTOXICATION: DIZZINESS, INCOORDINATION, DROWSINESS, HEADACHE, NAUSEA, MENTAL CONFUSION, STAGGERING GAIT, SLURRED SPEECH, VOMITING AND STUPOR. IT MAY ALSO

CAUSE KIDNEY AND LIVER DAMAGE AS WELL AS BLOOD ABNORMALITIES. INGESTION AND SUBSEQUENT VOMITI NG OF THIS PRODUCT CAN LEAD TO ASPIRATION OF THE PRODUCT INTO THE LUNGS WHICH CAN CAUSE DAMAG E AND MAY BE FATAL.

-Chronic (Long Term Exposure)

REPEATED OVEREXPOSURE CAN CAUSE KIDNEY, LIVER, TESTES AND SPLEEN DAMAGE. ALSO AFFECTS RED BLO
OD CELLS LEADING TO ANEMIA. MAY ALSO CAUSE DEVELEMENT- AL DEFECTS TO FETUSES. MAY CAUSE BLOO
D TO BE PRESENT IN URINE AND ANOREXIA. TARGET ORGANS: KIDNEYS, LIVER, SPLEEN, BLOOD-FORMING O
RGANS, TESTES, HEART, BLADDER, EYES AND SALIVARY GLANDS. MEDICAL CONDITIONS AGGRAVATED BY EXP
OSURE ARE PRE-EXISTING RESPIRATORY AND SKIN CONDITIONS SUCH AS ASTHMA, EMPHYSEMA, AND DERMATI
TIS. MAY ALSO AGGRAVATE PRE-EXISITING LIVER, KIDNEY, BLOOD AND EYE DISEASES.

ITY INFORMATION) HEAVY AROMATIC NAPHTHA: ORL-RAT LD50: 11,970 MG/KG 4. SKN-RBT LD50: 4500 M
G/KG 4. IHL-RAT LC50: 590 MG/KG 4. SKN-RBT SD7:500 UL/24H MILD 3, DIPENTENE: ORL-RAT LD50:
5300 MG/KG 4. SKN-RBT LD50: 5000 MG/KG 4. TERPINOLENE: ORL-RAT LD50: 4300 MG/KG 4. SKN-R
BT LD50: 5000 MG/KG 4. DIMETHYL GLUTARATE: THE DATA ARE FROM A MIXTURE OF THIS WITH OTHER ES

ERS. ORL-RAT LD50: 8191 MG/KG 4. IHL-RAT LC50: 11 MG/L/24H 4. SKN-RBT LD50: 2250 MG/KG 4. OVEREXPOSURE BY EYE AND SKIN CONTACT OR BY INHALATION CAN CAUSE BLURRED VISION. MATERIAL IS A MODERATE SKIN AND EYE IRRITANT, REPEATED INHALATION CAN CAUSE LIVER EFFECTS AND DEGENERATION OF NASAL TISSUE. 4. VOC CONTENT: 7.6 LBS/GAL (910 G/L)

Primary Routes of Entry:

Inhalation: X Ingestion:

Absorption: X

Emergency and First Aid Procedures:

-Inhalation:

REMOVE FROM THE AREA TO FRESH AIR. SEBK MEDICAL ATTENTION IF RESPIRATORY IRRITATION DEVELOPS OR IF BREATHING BECOMES DIFFICULT.

-Eye Contact:

IMMEDIATELY RINSE THE EYES WITH WATER. REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING FOR AT LEAST 15 MINUTES. HOLD THE EYELIDS APART TO ENSURE RINSING OF THE ENTIRE SURFACE OF THE EYES AND LIDS WITH WATER. GET IMMEDIATE MEDICAL ATTENTION.

-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 AGA IN. GET IMMEDIATE MEDICAL ATTENTION. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON.

-Notes to Physician:

OVEREXPOSURE BY ANY ROUTE MAY PRESENT AN ABNORMAL BLOOD PICTURE CHARACTER- IZED BY ERYTHROPEN IA, RETICULOCYTOSIS, GRANULOCYTOSIS, AND LEUKOCYTOSIS. PROBABLE MUCOSAL DAMAGE MAY CONTRAINDI CATE THE USE OF GASTRIC LAVAGE. INGESTION AND SUBSEQUENT VOMITING OF THIS PRODUCT CAN LEAD TO ASPIRATION OF THE PRODUCT INTO THE LUNGS WHICH CAN CAUSE DAMAGE AND MAY BE FATAL.

MSDS--WIPE-OUT SECTION VI - TOXICITY INFORMATION

Product Contains Chemicals Listed as Carcinogen or Potential Carcinogen By:
IARC: No NTP: Yes OSHA: No
OTHER: No

ACGIH: No

ETHYLENE GLYCOL MONOBUTYL ETHER: SKN-RBT LD50: 220 MG/KG 3. ORL-RAT LD50: 470 MG/KG 3. EYE-RBT SDT: 100 MG SEVERE 3. IHL-RAT LC50: 450 PPM/4H 3. MUT: SALMONELLA TYPHIMURIUM: 19 MMOL/PLATE 3. SKN-RET (OPEN): 500 MG MILD 3. LABORATORY ANIMAL TESTING BY ANY ROUTE HAS CAUSED REPRODUCTIVE AND DEVELOPMENTAL EFFECTS, BLOOD CELL, LIVER AND KIDNEY DAMAGE 3. LONG-TERM BIOASSAYS HAVE PRODUCE SOME EVIDENCE OF CANCER IN MICE, NO EVIDENCE IN MALE RATS AND EQUIVOCAL EVIDENCE IN FEMALE MICE 5. DIETHANOLAMINE: SKN-RET (OPEN): 50 MG MILD 3. SKN-RET: > 8200 MG/KG 3. SKN-RBT LDS0: > 8200 MG/KG 3. ORL-RAT LD50: 580 MG/RG 3. SKN-RET (OPEN) 50 MG MILD 3. ORL-RAT TDLO: 52 G/KG/14-C ANEMIA 3. EYE-RET SDT: 5500 MG SEVERE 3. SKN-RET SDT: 500 MG/24 MILD 3. ORAL DOSING OF LABORATORY ANIMALS HAS PRODUCED LIVER, KIDNEY, HEART, AND NERVOUS SYSTEM EFFECTS, AS WELL AS NERVOUS SYSTEM INJURY, HEART AND SALI-VARY GLAND LESIONS. 4. EARLY FINDINGS SUGGEST AN INCREASED NUMBER OF LIVER TUMORS IN MICE AND KIDNEY TUMORS IN MALE MICE ONLY (NONE IN RATS). 5. NAPHTHALENE: ORL-HMN (CHILD) LDLo: 400 MG/KG 3. ORL-RAT LD50: 490 MG/KG 3. IHL-RAT LC50: > 340 MG/M3/IH 3. SKN-RBT LD50: > 2500 MG/KG 3. LAB TESTING HAS CAUSED TUMORS, LIVER EFFECTS AND MUTAGENIC EFFECTS. 3. MONOETHANOLAMINE: ORL-RAT LD50: 1720 MG/KG 3. SKN-RBT LD50: 1 ML/KG 3. EYE-RBT SDT: 250 UG SEVERE 3. THL-MUS LD50: >2420 MG/M3/24H 3. SKN-RBT (OPEN): 505 MG MOD 3. TESTING HAS CAUSED LIVER AND BLADDER EFFECTS. BIRTH DEFECTS AND MUTATIONS 3. PROPYLENE GLYCOL MONOMETHYL ETHER: ORL-RAT LD50: 8532 MG/KG 3. SKN-RBT LD50: > 5000 MG/KG 3.

SECTION VII - REACTIVITY DATA

Stability:

Stable: X

Unstable:

Contitions to Avoid: AVOID HEAT, HOT SURFACES, SPARKS AND OPEN FLAMES. Incompatibility (Materials to Avoid):

STRONG OXIDIZERS LIKE CHLORINE BLEACH AND HYDROGEN PEROXIDE; ACIDS, KETONES, ACRYLATE S. ORGANIC HALIDES AND ANHYDRIDES.

Hazardous Decomposition Products:

OXIDES OF CARBON AND NITROGEN, AMMONIA, AMINES AND ALDEHYDES, AND ACRID SMOKE.

Hazardous Polymerization:

May Occur:

Will Not Occur: X

Contitions to Avoid: NONE KNOWN.

SECTION VIII - SPILL OR LEAK PROCEDURES

Steps to be Taken if Material is Released or Spilled:
ELIMINATE ALL SOURCES OF IGNITION. DIKE AND CONTAIN SPILL IF SAFE TO DO SO. USE ONLY NON-SPAR
KING EQUIPMENT. ABSORB WITH AN INERT MATERIAL AND TRANSFER INTO A PROPERLY LABELED CONTAINER
FOR DISPOSAL. WEAR APPROPRIATE PROTECTIVE CLOTHING. PREVENT PRODUCT FROM CONTAMINATING SOIL
OR FROM ENTERING SEWAGE AND DRAINAGE SYSTEMS AND BODIES OF WATER.

Waste Disposal Method(s): DISPOSE OF IN ACCORDANCE WITH ALL STATE, FEDERAL AND LOCAL REGULATIONS.

Neutralizing Agent: NONE KNOWN.

SECTION IX - SPECIAL PROTECTION INFORMATION

Required Ventilation:

LOCAL VENTILATION IS RECOMMENDED TO CONTROL EXPOSURE FROM OPERATIONS THAT CAN GENERATE MISTS OR VAPORS.

MSDS--WIPE-OUT

Respiratory Protection:

A NIOSH/MSHA APPROVED RESPIRATOR IN POORLY VENTILATED AREAS AND/OR FOR EXPOSURE ABOVE THE ACG IN TLV OR OSHA PEL OR WHERE MISTING EXISTS.

Glove Protection:

NEOPRENE OR NITRILE RUBBER GLOVES SHOULD BE WORN.

Eye Protection:

CHEMICAL GOGGLES SHOULD BE WORN.

Other Protection:

WEAR PROTECTIVE CLOTHING WHEN HANDLING. A SAFETY SHOWER AND AN EYEWASH STATION SHOULD BE AVAI LABLE.

SECTION X - STORAGE AND HANDLING INFORMATION

Storage Temperature:

Indoors: X

Outdoors:

Heated:

Refrigerated:

Minimum Temperature: 35 F

Maximum Temperature: 120 F

Precautions to be taken in Handling and Storing:

ALWAYS STORE MATERIAL IN ITS ORIGINAL CONTAINER. KEEP CONTAINER TIGHTLY CLOSED WHEN N OT IN USE. USE WITH CAUTION AROUND HEAT, SPARKS, PILOT LIGHTS, STATIC ELECTRICITY AND OPEN FL AME.

Other Precautions:

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

SECTION XI - REGULATORY INFORMATION

Chemical Name CAS Number Upper % Limit GLYCOL ETHERS N/A 40 DIETHANOLAMINE 111-42-2 5 NAFHTHALENE 91-20-3 5

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

SECTION XII - REFERENCES

- 1. THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND BIOLOGICAL EXPOSURE INDICES, ACGIH, 1999. 2. OSHA PEL
- 3. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, CCINFODisc, 2000.
- 4. VENDOR'S MSDS. 5. NTP.

ALL COMPONENTS IN THIS PRODUCT CAN BE FOUND IN THE CURRENT TSCA INVENTORY.

IRR:IRRITANT, FLAM/FLAMM:FLAMMABLE, COMB:COMBUSTIBLE, CORR:CORROSIVE CARC:CARCINOGENIC, TOX:TOXIC, N/A:NDT APPLICABLE, N/E:NOT ESTABLISHED, COC:CLEVELAND OPEN CUP, PMCC:PENSRY-MARTIN CLOSED CUP, TCC:TAGLIABUE CLOSEDCUP, LEL:LOWER EXPLOSION LIMIT, UEL:UPPER EXPLOSION LIMIT, NFPA:NATIONAL FIRE PROTECTION ASSOCIATION, IARC:INTERNATIONAL AGENCY FOR THE RESEARCH ON CANCER, NTF: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:ASPHYXIANT, PNOC: PARTICULATES NOT OTHERWISE CLASSITIED. SDT:STANDARD DRAIZE TEST, ORL: ORAL, HMN: HUMAN, IHL: INHALATION

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE IN LIGHT OF CURRENT FOR MULATION. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.

MSDS--WIPE-OUT

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