

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

DATE OF ISSUE: 04/25/2000
SUPERCEDES: 01/19/1999

1 _____
SECTION I - GENERAL INFORMATION

Chemical Name & Synonyms: Trade Name & Synonyms:
N/A WIPE OUT

Chemical Family: Formula Mixture:
ALKALINE SOLVENT EMULSION X

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: \$\$
TLV: 20 PPM 1
PEL: 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: NOT EST. 2
STEL: NOT EST.
CAS#: 138-86-3

Chemical Name (Ingredients): TERPINOLENE
Hazard: COMB/IRR
TLV: NOT EST. 1
PEL: NOT EST. 2
STEL: NOT EST.
CAS#: 586-62-9

Chemical Name (Ingredients): DIMETHYL GLUTARATE
Hazard: IRRITANT
TLV: NOT EST. 1
PEL: NOT EST. 2
STEL: NOT EST.
CAS#: 1119-40-4

Chemical Name (Ingredients): DIETHANOLAMINE
Hazard: IRR/TUM
TLV: 2 MG/M3 1
PEL: NOT EST. 2

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STEL: NOT EST.
 CAS#: 111-42-2

 Chemical Name (Ingredients): HEAVY AROMATIC NAPHTHA
 Hazard: COMB/IRR
 TLV: 5 MG/M3\$ 1
 PEL: 5 MG/M3\$ 2
 STEL: NOT EST.
 CAS#: 64742-94-5

 Chemical Name (Ingredients): MONOETHANOLAMINE
 Hazard: IRRITANT
 TLV: 3 PPM 1
 PEL: 3 PPM 2
 STEL: NOT EST.
 CAS#: 141-43-5

 Chemical Name (Ingredients): NAPHTHALENE
 Hazard: IRR/COMB
 TLV: 50 PPM 1
 PEL: 50 PPM 2
 STEL: NOT EST.
 CAS#: 91-20-3

 Chemical Name (Ingredients): \$ OIL MIST VALUE \$\$ IRR/COMB/TOX
 Hazard:
 TLV:
 PEL:
 STEL:
 CAS#:

SECTION III - PHYSICAL DATA

Boiling Point (f): 330
 Specific Gravity (H2O=1): 0.95
 Vapor Pressure (MM HG): <0.1
 Color: YELLOW TO AMBER
 Vapor Density (Air=1): >1
 Odor: ETHER-LIKE
 PH @ 100%: 10.2@25%
 Clarity: TRANSPARENT
 Volatile by Volume: 96
 Evaporation Rate (BU A/C=1): 0.1
 H2O Solubility: EMULSIFIABLE
 Viscosity: NON-VISCOUS

SECTION IV - FIRE AND EXPLOSION HAZARD

Flash Point: 112 F. / SETAFLASH Flammable Limits: DIPENTENE
 LEL: 0.7% UEL: 6.1%

 Extinguishing Media:
 Foam: X Alcohol Foam: X CO2: X Dry Chemical: X Water Spray:
 Other:

 Special Fire Fighting Procedures:
 FIREFIGHTERS SHOULD WEAR A SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR.
 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 FLASHBACK.
 HEATED VAPORS CAN COLLECT IN AREAS WITH POOR VENTILATION AND IGNITE BELOW THE STATED FLASH POINT WITH AN IGNITION SOURCE.

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

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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 BLINKING, SWELLING, AND A BURNING SENSATION. PROLONGED CONTACT CAN CAUSE CORNEAL DAMAGE, BURNS AND POSSIBLE BLINDNESS. SKIN CONTACT: CAUSES SEVERE IRRITATION SEEN AS REDNESS, ITCHING AND A BURNING SENSATION. PROLONGED CONTACT CAN CAUSE TISSUE DESTRUCTION, ULCERATION AND BLEEDING.

MAY BE ABSORBED THROUGH THE SKIN WITH EFFECTS AS THOSE FOR INGESTION. INHALATION: CAUSES RESPIRATORY IRRITATION SEEN AS COUGHING AND SNEEZING. INHALATION OF VAPORS MAY CAUSE HEADACHE, DIZZINESS, NAUSEA, DROWSINESS, WEAKNESS, APATHY, SLURRED SPEECH, 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 LARGE 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 VOMITING OF THIS PRODUCT CAN LEAD TO ASPIRATION OF THE PRODUCT INTO THE LUNGS WHICH CAN CAUSE DAMAGE AND MAY BE FATAL.

-Chronic (Long Term Exposure)

REPEATED OVEREXPOSURE CAN CAUSE KIDNEY, LIVER, TESTES AND SPLEEN DAMAGE. ALSO AFFECTS RED BLOOD CELLS LEADING TO ANEMIA. MAY ALSO CAUSE DEVELOPMENTAL DEFECTS TO FETUSES. MAY CAUSE BLOOD TO BE PRESENT IN URINE AND ANOREXIA. TARGET ORGANS: KIDNEYS, LIVER, SPLEEN, BLOOD-FORMING ORGANS, TESTES, HEART, BLADDER, EYES AND SALIVARY GLANDS. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE ARE PRE-EXISTING RESPIRATORY AND SKIN CONDITIONS SUCH AS ASTHMA, EMPHYSEMA, AND DERMATITIS. MAY ALSO AGGRAVATE PRE-EXISTING LIVER, KIDNEY, BLOOD AND EYE DISEASES.

----- (CONTINUED FROM SECTION VI, TOXICITY INFORMATION) HEAVY AROMATIC NAPHTHA: ORL-RAT LD50: 11,970 MG/KG 4. SKN-RBT LD50: 4500 MG/KG 4. IHL-RAT LC50: 590 MG/KG 4. SKN-RBT SDT: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-RBT LD50: 5000 MG/KG 4. DIMETHYL GLUTARATE: THE DATA ARE FROM A MIXTURE OF THIS WITH OTHER ESTERS.

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. SEEK 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 AGAIN. 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 CHARACTERIZED BY ERYTHROPENIA, RETICULOCYTOSIS, GRANULOCYTOSIS, AND LEUKOCYTOSIS. PROBABLE MUCOSAL DAMAGE MAY CONTRAINDICATE 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.

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SECTION VI - TOXICITY INFORMATION

Product Contains Chemicals Listed as Carcinogen or Potential Carcinogen By:
IARC: No NTP: Yes OSHA: 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-RBT (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 PRODUCED SOME EVIDENCE OF CANCER IN
MICE, NO EVIDENCE IN MALE RATS AND EQUIVOCAL EVIDENCE IN FEMALE MICE 5.
DIETHANOLAMINE: SKN-RBT (OPEN): 50 MG MILD 3. SKN-RBT: > 8200 MG/KG 3.
ORL-RAT LD50: 680 MG/KG 3. SKN-RBT LD50: > 8200 MG/KG 3.
SKN-RBT (OPEN) 50 MG MILD 3. ORL-RAT TDLo: 52 G/KG/14-C ANEMIA 3.
EYE-RBT SDT: 5500 MG SEVERE 3. SKN-RBT 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/M3/1H 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. IHL-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:

Conditions 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

Conditions 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
RING 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.

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Respiratory Protection:

A NIOSH/MSHA APPROVED RESPIRATOR IN POORLY VENTILATED AREAS AND/OR FOR EXPOSURE ABOVE THE ACGIH 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 AVAILABLE.

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 NOT IN USE. USE WITH CAUTION AROUND HEAT, SPARKS, PILOT LIGHTS, STATIC ELECTRICITY AND OPEN FLAME.

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
NAPHTHALENE	91-20-3	5

Those Ingredients listed above 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:NOT APPLICABLE, N/E:NOT ESTABLISHED,
COC:CLEVELAND OPEN CUP, PMCC:PENSKY-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, 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, PNO: PARTICULATES NOT OTHERWISE CLASSI-
FIED, SDT:STANDARD DRAIZE TEST, ORL: ORAL, HMN: HUMAN, IHL: INHALATION
TU:TUMORIGENIC

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE IN LIGHT OF CURRENT FOR-
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