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DATE OF ISSUE
1/16/2004SUPERSEDES
11/20/2002

SECTION I - GENERAL INFORMATION

Name & Synonyms

/A

Trade Name & Synonyms

THREAD-EZE ULTRA BRSH TOP

Chemical Family:

MINERAL/PETROLEUM BLEND

Formula Mixture --> X

Manufacturer's Name:

HEMSEARCH DIV. OF NCH CORP.

Address:

BOX 152170

DALLAS, TX 75015

Prepared By:

Boynnton/Chemist

Product Code Number

5913

Emergency Phone Number

800-424-9300

SECTION II - HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

Chemical Name (Ingredients)
HEAVILY REFINED MINERAL OIL
CALCIUM CARBONATE
ZINC OXIDE

| Hazard | TLV | PEL | STEL | CAS # |
|----------|------------|------------|------------|-----------|
| OIL MIST | 5 MG/M3 1 | 5 MG/M3 2 | 10MG/M3 1 | 8042-47-5 |
| IRRITANT | 3 MG/M3 1. | 5 MG/M3 2. | N/E | 1317-65-3 |
| IRRITANT | 2 MG/M3 1. | 5 MG/M3 2. | 10MG/M3 1. | 1314-13-2 |

SECTION IIa - NON-HAZARDOUS INGREDIENTS

(NON-HAZARDOUS INGREDIENT NAMES AND CAS NUMBERS ARE PROTECTED UNDER NJ TRADE)

Secret Registry #: 409363-5032P

SECTION III - PHYSICAL DATA

| | | | |
|-------------------------|-------------|------------------------------|-----------|
| Boiling Point (F): | >450° | Specific Gravity (H2O=1): | 1.16 |
| Vapor Pressure (MM HG): | < 0.1 | Color: | WHITE |
| Vapor Density (Air=1): | > 1 | Odor: | PETROLEUM |
| PH @ 100% : | N/A | Clarity: | OPAQUE |
| Volatile by Volume: | 60-65 | Evaporation Rate (BU A/C=1): | <0.1 |
| H2O Solubility: | NEGLECTIBLE | Viscosity: | VISCOUS |

SECTION IV - FIRE AND EXPLOSION HAZARD

| | | | |
|--|-------------------|----------|-------------------|
| Flash Point | Flammable Limits | LEL | UEL |
| NON-FLAM / C.O.C. | N/E | N/E | N/E |
| Extinguishing Media | | | |
| X <--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. 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. | | | |
| Aerosol Level (NFPA 30B): N/A | | | |
| NFPA 704 Hazard Rating (0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme) | | | |
| 1 <--Health 1 <--Flammability 0 <--Instability <--Special | | | |

SECTION V - HEALTH HAZARD DATA

Threshold Limit Value:
NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.

Effects of Overexposure:

-Acute (Short Term Exposure)

INHALATION: MAY CAUSE IRRITATION WITH POSSIBLE NAUSEA, VOMITING AND DIARRHEA.
INHALATION: MAY CAUSE RESPIRATORY IRRITATION SEEN AS COUGHING AND SNEEZING.
SKIN CONTACT: MAY CAUSE IRRITATION SEEN AS INFLAMMATION, ITCHING AND REDNESS.
EYE CONTACT: MAY CAUSE IRRITATION SEEN AS STINGING, TEARING AND REDNESS.

-Chronic (Long Term Exposure)

CHRONIC EXPOSURE TO ZINC OXIDE MAY CAUSE RESPIRATORY TRACT IRRITATION WITH NASOPHARYNGITIS AND LARYNGITIS.
ON RARE OCCASIONS, PROLONGED AND REPEATED EXPOSURE TO OIL MIST POSES A RISK OF CHRONIC LUNG INFLAMMATION. THIS CONDITION IS USUALLY ASYMPTOMATIC AS A RESULT OF REPEATED SMALL ASPIRATIONS. SHORTNESS OF BREATH AND COUGHING ARE THE MOST COMMON SYMPTOMS. ASPIRATION MAY LEAD TO PULMONARY EDEMA AND HEMORRHAGE AND MAY BE FATAL. SIGNS OF LUNG INVOLVEMENT INCLUDE INCREASED RESPIRATION AND HEART RATES AS WELL AS A BLuish DISCOLORATION OF THE SKIN.

SECTION V - HEALTH HAZARD DATA (Continued)

CHRONIC SKIN CONTACT MAY PROMOTE DERMATITIS AND OIL ACNE. IN RARER CASES, AN INCREASED SENSITIVITY TO SUNLIGHT (PHOTOSENSITIVITY) MAY OCCUR. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE ARE PRE-EXISTING RESPIRATORY AND SKIN CONDITIONS SUCH AS ASTHMA, EMPHYSEMA AND DERMATITIS. TARGET ORGANS: NONE KNOWN. THERE IS NO PRIMARY ROUTE OF ENTRY INTO THE BODY. THE PRIMARY ROUTES OF EXPOSURE ARE SKIN AND EYE CONTACT.

Primary Routes of Entry: <--Inhalation <--Ingestion <--Absorption

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:

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 PLENTY OF SOAP AND WATER FOR SEVERAL MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS.

-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--> No NTP--> No OSHA--> No ACGIH--> No OTHER--> No

SEVERELY REFINED MINERAL OIL

ORL-RAT TDLo: 92 G/KG/92D-C 4.
ORL-RAT LD50: > 5000 MG/KG 3.
SKN-RBT LD50: > 2000 MG/KG 3.
EYE-RBT SDT: NON-IRRITATING 3.
SKN-RBT SDT: NON-IRRITATING 3.
BUEHLER GUINEA PIG SENSITIZATION TEST: NON-SENSITIZING 3.
SKN-RBT SUB-CHRONIC: 28-DAY NON-IRRITATING 3.
SKN-MSE CHRONIC: 104-WEEK NO SKIN TUMORS AT SITE OF APPLICATION 3.
MODIFIED AMES ASSAY (SALMONELLA TYPHIMURIUM): NEGATIVE 3.
IN-VITRO MSE LYMPHOMA ASSAY NEGATIVE TO NO TOXICITY 3.
LIFETIME MOUSE SKIN PAINTING STUDIES INDICATED THAT THIS PRODUCT IS NOT MUTAGENIC OR CARCINOGENIC. 3.

MINERAL OIL MISTS DERIVED FROM HIGHLY REFINED OILS ARE REPORTED TO HAVE LOW ACUTE AND SUB-ACUTE TOXICITIES IN ANIMALS. EFFECTS FROM SINGLE SHORT-TERM REPEATED EXPOSURES TO HIGH CONCENTRATIONS OF MINERAL OIL MISTS WELL ABOVE APPLICABLE WORKPLACE EXPOSURE LEVELS INCLUDE LUNG INFLAMMATORY REACTION, LIPOID GRANULOMA FORMATION AND LIPOID PNEUMONIA. IN ACUTE AND SUB-ACUTE STUDIES INVOLVING EXPOSURES TO LOWER CONCENTRATIONS OF MINERAL OIL MISTS AT OR NEAR CURRENT WORK PLACE EXPOSURE LEVELS PRODUCED NO SIGNIFICANT TOXICOLOGICAL EFFECTS. IN LONG TERM STUDIES (UP TO TWO YEARS) NO CARCINOGENIC EFFECTS HAVE BEEN REPORTED IN ANY ANIMAL SPECIES TESTED. THIS PRODUCT IS FORMULATED WITH MINERAL OILS WHICH ARE CONSIDERED TO BE SEVERELY REFINED AND NOT CONSIDERED TO BE CARCINOGENIC UNDER IARC. 3.

CALCIUM CARBONATE

MILD TO MODERATE EYE IRRITANT 3.
MILD TO MODERATE SKIN IRRITANT 3.
ORL-RAT LD50: 6450 MG/KG 3.

ZINC OXIDE

ORL-RAT LD50: >8437 MG/KG 4.
ORL-HMN LDLo: 500 MG/KG 4.
IHL-HMN TCLo: 600 MG/M3 4.
SKN-RBT SDT: 500 MG/24H MILD 4.
EYE-RBT SDT: 500 MG/24H MILD 4.

VOC CONTENT: 0% BY WEIGHT
0 G/L

SECTION VII - REACTIVITY DATA

Stability: X <--Stable <--Unstable
Conditions to Avoid:
NONE KNOWN.

Incompatibility (Materials to Avoid):

STRONG OXIDIZING AGENTS SUCH AS CHLORINE BLEACH AND CONCENTRATED HYDROGEN PEROXIDE; ACIDS AND ALKALIES.

Hazardous Decomposition Products:

OXIDES OF ALUMINUM AND CARBON; VARIOUS HYDROCARBONS.

Hazardous Polymerization:

<--May Occur X <--Will Not Occur

Conditions to Avoid:

N/A

SECTION VIII - SPILL OR LEAK PROCEDURES

Steps to be Taken if Material is Released or Spilled:

WEAR APPROPRIATE PROTECTIVE CLOTHING. USE CARE AS SPILLS MAY BE SLIPPERY. DIKE AND CONTAIN SPILL. ABSORB WITH AN INERT MATERIAL AND TRANSFER ALL MATERIAL INTO A PROPERLY LABELED CONTAINER FOR DISPOSAL. PREVENT PRODUCT FROM CONTAMINATING SOIL OR FROM ENTERING SEWAGE AND DRAINAGE SYSTEMS AND BODIES OF WATER. FLUSH AREA WITH WATER.

Waste Disposal Method(s):

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

Neutralizing Agent:

N/A

SECTION VIII - SPILL OR LEAK PROCEDURES (Continued)

SECTION IX - SPECIAL PROTECTION INFORMATION

quired Ventilation:
NERAL VENTILATION IS NORMALLY ADEQUATE.

ry Protection:
R NORMAL CONDITIONS OF USE.

ove Protection:
NE UNDER NORMAL CONDITIONS OF USE.

e Protection:
NE UNDER NORMAL CONDITIONS OF USE.

her Protection:
NE UNDER NORMAL CONDITIONS OF USE.

SECTION X - STORAGE AND HANDLING INFORMATION

orage Temperature: Indoors--> X Outdoors--> Heated--> Refrigerated-->
imum Temperature: 35°F Maximum Temperature: 120°F

ecautions to be Taken in Handling and Storing:
WAYS STORE MATERIAL IN ITS ORIGINAL CONTAINER. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUES WHICH
Y EXHIBIT THE HAZARDS OF THE PRODUCT. TO AVOID POSSIBLE EXPLOSION DO NOT PRESSURIZE, CUT, WELD, SOLDER, DRILL, GRIND OR EXPOSE EMPTY CONTAINERS TO
AT, HOT SURFACES, SPARKS OR OPEN FLAMES.

her Precautions:
EP OUT OF REACH OF CHILDREN. READ THE ENTIRE LABEL BEFORE USING THE PRODUCT. FOLLOW THE LABEL DIRECTIONS. REMOVE OIL SOAKED CLOTHING AND SHOES.
ASH CLOTHING AND CLEAN SHOES BEFORE REUSE.

SECTION XI - REGULATORY INFORMATION

| hemical Name | CAS Number | Upper & Limit |
|---------------|------------|---------------|
| INC COMPOUNDS | N/A | 15 |

ose ingredients listed above are subject to the reporting requirements of 313 of Title III of the Superfund Amendments and Reauthorization Act of
986 and 40 CFR part 372.

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

SECTION XII - REFERENCES

HOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND BIOLOGICAL EXPOSURE INDICES, ACGIH, 2002.

OsHA PEL.
VENDOR'S MSDS.
REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, CCINFODisc, 2002.

LL THE COMPONENTS OF THIS PRODUCT ARE IN COMPLIANCE WITH THE TOXIC SUBSTANCES CONTROL ACT (TSCA) AND ARE EITHER LISTED ON THE TSCA INVENTORY OR
THERWISE EXEMPTED FROM LISTING.

RR: IRRITANT, FLAM/FLAMM: FLAMMABLE, COMB: COMBUSTIBLE, CORR: CORROSIVE CARC: CARCINOGENIC, TOX: TOXIC, N/A: NOT APPLICABLE, N/E: NOT ESTABLISHED,
OC: CLEVELAND OPEN CUP, PMCC: PENSKEY-MARTIN CLOSED CUP, TCC: TAGLIABUE CLOSED CUP,
EL: LOWER EXPLOSION LIMIT, UEL: UPPER EXPLOSION LIMIT, NFPA: NATIONAL FIRE PROTECTION ASSOCIATION, IARC: INTERNATIONAL AGENCY FOR THE RESEARCH ON
ANCER, NTP: NATIONAL TOXICOLOGY PROGRAM, OSHA: OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION, ACGIH: AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL
YGIENISTS, TLV: THRESHOLD LIMIT VALUE, PEL: PERMISSIBLE EXPOSURE LIMIT, STEL: SHORT-TERM EXPOSURE LIMIT, MLD: MILD, MOD: MODERATE, SEV: SEVERE,
UT: MUTAGENIC, ASPHYX: ASPHYXIA, PNO: PARTICULATES (INSOLUBLE) NOT OTHERWISE SPECIFIED, SDT: STANDARD DRAIZE TEST, ORL: ORAL, IHL: INHALATION,
MN: HUMAN

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