

**MATERIAL SAFETY DATA SHEET:PROVANTAGE**

**DATE OF ISSUE:** 09/13/2005

**SUPERCEDES:** 08/30/2005

**SECTION I - GENERAL INFORMATION**

**Chemical Name & Synonyms:**

N/A

**Trade Name & Synonyms:**

PROVANTAGE

**Chemical Family:**

PETROLEUM BLEND

**Formula Mixture:** X

**Manufacturer's Name:**

CHEMSEARCH DIV. OF NCH CORP.

**Address:**

BOX 152170

IRVING, TX 75015

**Prepared By:**

M McDowell/Chemist

**Product Code Number**

0536

**Emergency Phone Number**

800-424-9300

**SECTION II - HAZARDOUS INGREDIENTS**

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

<b><u>Chemical Name (Ingredients)</u></b>	<b><u>Hazard</u></b>	<b><u>TLV</u></b>	<b><u>PEL</u></b>	<b><u>STEL</u></b>	<b><u>CAS #</u></b>
PETROLEUM HYDROCARBONS	IRRITANT	5 MG/M3 \$1	5 MG/M3 \$2	10 MG/M3\$1	64742- 94-5
PETROLEUM DISTILLATES, SOLVENT DEWAXED HEAVY PARAFFINIC	IRRITANT	5 MG/M3 \$1	5 MG/M3 \$2	10 MG/M3\$1	64742- 65-0
PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFINIC	IRRITANT	5 MG/M3 \$1	5 MG/M3 \$2	10 MG/M3\$1	64742- 88-4
TRIDECYL ALCOHOL	IRRITANT	50 PPM #1	N/E 2	N/E	68526- 86-3
ZINC ALKYLDITHIOPHOSPHATE	IRRITANT	N/E 1	N/E 2	N/E	68649- 42-3

\$ OIL MIST VALUES

# VENDOR SUGGESTED VALUE

**SECTION III - PHYSICAL DATA**

**Boiling Point (f):**

365°

**Specific Gravity (H20=1):** 0.91

**Vapor Pressure (MM  
HG):**

0.18

**Color:**

RED

<b>Vapor Density (Air=1):</b> 6.1	<b>Odor:</b>	PETROLEUM
<b>PH @ 100% :</b> N/A	<b>Clarity</b>	TRANSPARENT
<b>% Volatile by Volume:</b> 10	<b>Evaporation Rate (BU A/C=1):</b>	0.01
<b>H2O Solubility:</b> NEGLIGIBLE	<b>Viscosity:</b>	SLIGHT VISCOUS

#### **SECTION IV - FIRE AND EXPLOSION HAZARD**

<b>Flash Point:</b>	<b>Flammable Limits:</b>	<b>LEL:</b>	<b>UEL:</b>
>200°F / T.C.C.	PETROLEUM OIL	N/E	N/E

**Extinguishing Media:**

Foam:X Alcohol Foam: CO2:X Dry Chemical:X Water Spray:X 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:**

THE USE OF WATER SPRAY (F0G) 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.

**NFPA Hazard Rating: (0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)**

Health:1 Flammability:1 Instability:0 Special:

#### **SECTION V - HEALTH HAZARD DATA**

**Threshold Limit Value:**

NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.

**Effects of Overexposure:**

**-Acute(Short Term Exposure)**

EYE CONTACT: CAUSES IRRITATION SEEN AS STINGING, SWELLING, TEARING, REDNESS, BLURRED VISION, AND A BURNING SENSATION. MAY CAUSE INFLAMMATION OF THE CONJUNCTIVA. SKIN CONTACT: CAUSES IRRITATION SEEN AS ITCHING, REDNESS, SWELLING, AND A BURNING SENSATION. PROLONGED OR REPEATED CONTACT AS FROM CLOTHING WET WITH MATERIAL MAY CAUSE DRYING, DEFATTING, AND CRACKING OF THE SKIN. INHALATION: MIST OR VAPORS MAY CAUSE RESPIRATORY IRRITATION SEEN AS COUGHING, SNEEZING, AND A BURNING SENSATION.

INGESTION: MAY CAUSE IRRITATION WITH POSSIBLE NAUSEA, VOMITING, AND DIARRHEA.

**-Chronic (Long Term Exposure)**

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. 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. 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:**

WIPE AWAY MATERIAL WITH A CLOTH WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. WASH WITH SOAP AND WATER. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS. CLEAN CLOTHING AND SHOES.

**-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.

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**SECTION VI - TOXICITY INFORMATION**

**Product Contains Chemicals Listed as Carcinogen or Potential Carcinogen By:**

**IARC: No      NTP: No      OSHA: No      ACGIH: No      OTHER: No**

**VOC CONTENT: 8% BY WEIGHT, 8.2% BY VOLUME, 72 G/L**

**PETROLEUM HYDROCARBONS**

**SKN-RBT LD50: >2 ML/KG 3.**

**ORL-RAT LDLo: 5 ML/KG 3.**

**IHL-RAT LC50: >590 MG/M3/4H 3.**

**MINERAL OIL AND HYDROCARBON MISTS DERIVED FROM HIGHLY REFINED OILS AND PETROLEUM DISTILLATES ARE REPORTED TO HAVE LOW ACUTE AND SUB-ACUTE TOXICITIES IN ANIMALS. EFFECTS FROM SINGLE AND SHORT-TERM REPEATED EXPOSURES TO HIGH CONCENTRATIONS 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 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. THESE PETROLEUM DISTILLATES ARE SEVERELY HYDROTREATED, SEVERELY SOLVENT EXTRACTED, AND/OR PROCESSED BY MILD HYDROTREATMENT AND EXTRACTION. FOR THIS REASON, THEY ARE NOT CLASSIFIED AS CANCER HAZARDS. 4.**

**PETROLEUM DISTILLATES, SOLVENT DEWAXED HEAVY PARAFFINIC (<3% DMSO EXTRACTABLE MATERIAL)**

**ORL-RAT LD50: >5 GM/KG 4.**

**IHL-RAT LC50: >5 MG/L DATA FOR SIMILAR COMPOUND 4.**

**SKN-RBT DRAIZED SCORE BETWEEN .5 AND 3, NON-IRRITATING 4.**

**EYE-RBT DRAIZED SCORE BETWEEN 6 AND 15, NON-IRRITATING 4.**

**PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFINIC (<3% DMSO EXTRACTABLE MATERIAL)**

**ORL-RAT LD50: > 2 G/KG 4.**

**SKN-RBT LD50: > 2 G/KG 4.**

**IHL-RAT LC50: > 5 MG/L 4.**

**EYE-RBT DRAIZE SCORE BETWEEN 6 AND 15, PRACTICALLY NON-IRRITATING 4.**

**SKN-RBT DRAIZE SCORE BETWEEN .5 AND 3, PRACTICALLY NON-IRRITATING 4.**

**C10-C16 ALCOHOLS**

**ORL-RAT LD50: >2000 MG/KG 4.**

**SKN-RAT LD50: >2000 MG/KG 4.**

**EYE-RBT SDT: 0/110 4.**

**SKN-RBT SDT: 2.8/8.0 4.**

**ORL-RAT: REPEATED 28-DAY ORAL TOXICITY RESULTED IN DECREASED BODY WEIGHTS AND EFFECTS ON THE LIVER AND KIDNEY (NOEL-100 MG/KG) 4.**

**ZINC ALKYL DITHIOPHOSPHATE  
NO TOXICITY DATA AVAILABLE**

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### **SECTION VII - REACTIVITY DATA**

**Stability:** Stable: X Unstable:

Conditions to Avoid: NONE  
KNOWN.

**Incompatibility (Materials to Avoid):**

STRONG OXIDIZING AGENTS SUCH AS CHLORINE BLEACH AND CONCENTRATED HYDROGEN PEROXIDE. REDUCING AGENTS SUCH AS SODIUM THIOSULFATE, ACIDS, NITRIC ACID, AND SULFURIC ACID.

**Hazardous Decomposition Products:**

OXIDES OF CARBON, SULFUR, PHOSPHORUS, NITROGEN, AND ZINC; ALDEHYDES, HYDROGEN SULFIDE, ALKYL MERCAPTANS, AND SULFIDES.

**Hazardous Polymerization:** May Occur: Will Not Occur: X

Conditions to Avoid: N/A

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### **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. SHUT OFF SOURCE OF LEAK. 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

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### **SECTION IX - SPECIAL PROTECTION INFORMATION**

**Required Ventilation:**

LOCAL VENTILATION IS RECOMMENDED TO CONTROL EXPOSURE FROM



CONTAMINATION.

**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 AND PROPYLENE OXIDE MAY BE PRESENT IN THIS PRODUCT AND COULD ACCUMULATE IN THE HEADSPACE OF STORAGE AND TRANSPORT VESSELS.

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**SECTION XI - REGULATORY INFORMATION**

<b><u>Chemical Name</u></b>	<b><u>CAS Number</u></b>	<b><u>Upper % Limit</u></b>
ZINC COMPOUNDS	N/A	5

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

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**SECTION XII - REFERENCES**

**1. THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL**

**AGENTS AND BIOLOGICAL EXPOSURE INDICES, ACGIH, 2005.**

**2. OSHA PEL.**

**3. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, CCINFOWeb, 2005.**

**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.** -----

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**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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