

**MATERIAL SAFETY DATA SHEET: CERTOP GEAR OIL-80W90(120#)**

**Section I - General Information**

(000000-000000- - 120J )

**Date of Issue:**  
4/8/2003 12:00:00 AM  
**Chemical Name & Synonyms:**  
N/A  
**Chemical Family:**  
PETROLEUM MIXTURE  
**Manufacturer Name:**  
CERTIFIED LABS, DIV. OF NCH CORP.  
**Manufacturer Address:**  
BOX 152170  
IRVING, TEXAS 75015  
**Prepared By:**  
L Boynton/Chemist

**Supersedes:**  
2/27/2003 12:00:00 AM  
**Trade Name & Synonyms:**  
CERTOP GEAR OIL-80W90(120#)  
**Formula is a mixture:** [✓]

**Product Code Number:** 0021  
**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 #
SOLVENT-REFINED PETROLEUM DISTILLATES	IRRITANT	5 MG/M3\$ 1	5 MG/M3\$ 2	10 MG/M3\$1	64741-88-4
SOLVENT-DEWAXED HEAVY PARAFFINIC PETROLEUM DISTILLATES	OIL MIST	5 MG/M3 1	5 MG/M3 2	10 MG/M3 1	64742-65-0
MINERAL OIL	IRRITANT	5 MG/M3\$ 1	5 MG/M3\$ 2	10 MG/M3\$1	8012-95-1
POLYOLEFIN AMIDE ALKENEAMINE	IRRITANT	N/E 1	N/E 2	N/E	84605-20-9
OLEFIN SULFIDE	IRRITANT	N/E 1	N/E 2	N/E	72162-26-6
\$ OIL MIST VALUES					

**Section III - Physical Data**

**Boiling Point (°F):**610°  
**Vapor Pressure (mm Hg):**<0.01  
**Vapor Density (Air=1):**>5  
pH @ 100% :N/A  
% Volatile by Volume:<1  
H<sub>2</sub>O Solubility:NEGLIGIBLE

**Specific Gravity (H<sub>2</sub>O=1):**0.90  
**Color:**AMBER  
**Odor:**PETROLEUM  
**Clarity:**TRANSPARENT  
**Evaporation Rate (BuAc=1):**<0.01  
**Viscosity:**SEMI-VISCOUS

**Section IV - Fire and Explosion Hazard**

**Flash Point:** >200°F  
**Flammable Limits:** PETROLEUM DISTILLATES  
**LEL:** N/E\*

**Method Used:** SETAFLASH  
**UEL:** N/E\*

**Aerosol Level (NFPA 30B):** N/A

**Extinguishing Media:**

<input checked="" type="checkbox"/> Foam	<input checked="" type="checkbox"/> Alcohol Foam	<input checked="" type="checkbox"/> CO2
<input checked="" type="checkbox"/> Dry Chemical	<input checked="" type="checkbox"/> Water Spray	<input type="checkbox"/> Other

**NFPA 704 Hazard Rating:**

4-Extreme	Health: 1
3-High	Flammability: 1
2-Moderate	Instability: 0
1-Slight	Special:
0-Insignificant	

**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.

**Unusual Fire and Explosion Hazards:**

USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS TO PREVENT BURSTING. USE CARE AS SPILLS MAY BE SLIPPERY. THE USE OF WATER SPRAY (FOG) WHILE EFFECTIVE, MAY CAUSE FROTHING AND FOAMING. \*ALTHOUGH THERE ARE NO FLAMMABLE LIMITS FOR THIS PRODUCT AT AMBIENT TEMPERATURES AND PRESSURES, THIS MATERIAL CAN FORM A FLAMMABLE MIXTURE AT EXTREMELY HIGH TEMPERATURES OR WHEN PERFORMING HOT WORK SUCH AS WELDING.

**Section V - Health and Hazard Data**

**Threshold Limit Value:**  
5 MG/M3 AS OIL MIST 1.

**Effects of Overexposure:**

**Acute: (Short Term Exposure)**

SKIN CONTACT: MAY CAUSE IRRITATION SEEN AS ITCHING AND REDNESS. EYE CONTACT: MAY CAUSE IRRITATION SEEN AS TEARING AND REDNESS. INHALATION: MIST MAY CAUSE COUGHING AND SNEEZING. 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 RARE CASES, AN INCREASED SENSITIVITY TO SUNLIGHT (PHOTOSENSITIVITY) MAY OCCUR. WIDE-SPREAD PROLONGED CONTACT WITH DAMAGED SKIN WITH BORATE-BASED COMPOUNDS CAN CAUSE A CONDITION KNOWN AS BORISM AS SEEN BY DRY, RED, SCALY PATCHES. 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 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:**

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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 [ ] NTP [ ] OSHA [ ] ACGIH [ ] Other

VOC CONTENT: 0% BY WEIGHT AND VOLUME, 0 G/L

SOLVENT-REFINED PETROLEUM DISTILLATES

ORL-RAT LD50: > 5 G/KG 3.
SKN-RBT LD50: > 3.16 G/KG 3.

SOLVENT-DEWAXED HEAVY PARAFFINIC PETROLEUM DISTILLATES

ORL-RAT LD50: >5 G/KG 3.
SKN-RBT LD50: >5 G/KG 3.

MINERAL OIL/POLYOLEFIN AMIDE ALKENEAMINE/OLEFIN SULFIDE MIXTURE

ORL-RAT LD50: >5000 MG/KG 3.
SKN-RBT LD50: >2000 MG/KG 3.

THE MINERAL OIL IN THIS PRODUCT IS SEVERELY REFINED AND IS NOT CONSIDERED TO BE CARCINOGENIC UNDER IARC. THE OIL CONTAINS LESS THAN 3% EXTRACTABLES BY THE IP 346 TEST. 3.

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. 3.

MINERAL OIL MISTS DERIVED FROM HIGHLY REFINED OILS ARE REPORTED TO HAVE LOW ACUTE AND SUB-ACUTE TOXICITIES IN ANIMALS. EFFECTS FROM SINGLE AND 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. 3.

Section VII - Reactivity Data

Stability

[X] Stable [ ] Unstable

Conditions to Avoid:
NONE KNOWN.

Hazardous Polymerization

[ ] Will not occur [X] May occur

Conditions to Avoid:
N/A

Incompatibility (Materials to Avoid):

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

Hazardous Decomposition Products:

OXIDES OF CARBON, NITROGEN, PHOSPHORUS AND SULFUR; ALDEHYDES, ALKYL MERCAPTANS, FREE AROMATIC AMINES AND HYDROGEN SULFIDE.

Section VIII - Spill Or Leak Procedures

Steps to be Taken if Material is Released or Spilled:

WEAR APPROPRIATE PROTECTIVE CLOTHING. ELIMINATE ALL SOURCES OF IGNITION AND VENTILATE THE AREA. USE ONLY NON-SPARKING EQUIPMENT. 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 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 IF REPEATED OR PROLONGED SKIN CONTACT IS LIKELY. ENSURE COMPLIANCE WITH OSHA'S PERSONAL PROTECTIVE EQUIPMENT (PPE) STANDARD FOR HAND PROTECTION, 29 CFR 1910.138.

Eye Protection:

SAFETY GLASSES IF THE METHOD OF APPLICATION 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. REMOVE OIL SOAKED CLOTHING AND SHOES. WASH CLOTHING AND CLEAN SHOES BEFORE REUSE.

Section X - Storage and Handling Information

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Storage Temperature  
Max: 120°F Min: 32°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. SOME POROUS MATERIALS SUCH AS RAGS, PAPER, ETC. WHEN WETTED WITH THIS PRODUCT MAY UNDERGO SPONTANEOUS COMBUSTION. EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUES WHICH MAY EXHIBIT THE HAZARDS OF THE PRODUCT. TO AVOID POSSIBLE EXPLOSION DO NOT PRESSURIZE, CUT, WELD, SOLDER, DRILL, GRIND OR EXPOSE EMPTY CONTAINERS TO HEAT, HOT SURFACES, SPARKS OR OPEN FLAMES.

Other Precautions:

KEEP OUT OF REACH OF CHILDREN. READ THE ENTIRE LABEL BEFORE USING THE PRODUCT. FOLLOW THE LABEL DIRECTIONS. FOR MAXIMUM PRODUCT LIFE, STORE INDOORS. OUTDOOR STORAGE TIP: STORE CONTAINERS ON THEIR SIDE TO HELP PREVENT WATER ACCUMULATION ON A FLAT END AND CONSEQUENT PRODUCT CONTAMINATION.

Section XI - Regulatory Information

Chemical Name	CAS Number	Upper & Limit
None.		

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, 2002.
  2. OSHA PEL.
  3. VENDOR'S MSDS.
  4. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, CCINFOWeb, 2003.
- 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:ASPHYXIANT, PNO3:PARTICULATES (INSOLUBLE) NOT OTHERWISE SPECIFIED, SDT:STANDARD DRAIZE TEST, ORL:ORAL, IHL:INHALATION, HMN:HUMAN  
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