

MATERIAL SAFETY DATA SHEET
 Emergency Phone No.: (215) 443-7080
 Information Phone No.: (215) 443-7080

I. MATERIAL IDENTIFICATION

PRODUCT TRADE NAME: CLEAREDDGE 6595
 MANUFACTURER: CASTROL INDUSTRIAL EAST INC.

ADDRESS: 775 LOUIS DRIVE WARMINSTER PA, 18974

MFG. FACILITY ADDRESS:

Preparer: KJM

Preparation Date: 03/15/1990

II. HAZARDOUS INGREDIENTS

MATERIAL OR COMPONENTS	%	CAS No.	TLV (ACGIH)	PEL (OSHA)
Distillates (petroleum), solvent-refined heavy paraffinic	0-5	64741-88-4	5 mg/M3	5 mg/M3
Distillates (petroleum), solvent-refined light paraffinic	0-5	64741-89-5	5 mg/M3 (mist)	5 mg/M3 (mist)
Distillates (petroleum), hydrotreated heavy naphthenic	1-5	64742-52-5	5 mg/M3 (mist)	5 mg/M3 (mist)
Distillates (petroleum), hydrotreated light naphthenic	5-10	64742-53-6	5 mg/M3 (mist)	5 mg/M3 (mist)
White mineral oil (petroleum)	1-5	8042-47-5	5 mg/M3 (mist)	5 mg/M3 (mist)

III. PHYSICAL PROPERTIES

APPEARANCE & ODOR: Clear dark blue liquid, mild characteristic odor

BOILING POINT °F (°C): NA NA

MELTING POINT °F (°C): NA NA

SPECIFIC GRAVITY (H₂O=1): 1.02 ± NA

VAPOR PRESSURE: NA

VAPOR DENSITY (AIR=1): >1

EVAPORATION RATE (BUTYL ACETATE=1): <1

%VOLATILES BY VOLUME: <55

SOLUBILITY IN H₂O: soluble

pH AS IS: NA

pH (DILUTE): 8.8-9.2 @ 5 %

IV. FIRE AND EXPLOSION HAZARDS

FLASHPOINT (method used)

310 °F 154.43 °C COC

FLAMMABILITY LIMITS

LEL NA UEL NA

EXTINGUISHING MEDIA:

Water fog, dry chemical, foam or CO₂.

SPECIAL FIRE FIGHTING PROCEDURES:

Wear self contained breathing apparatus when fire fighting in a confined space. Cool fire exposed containers with waterspray to prevent rupture.

UNUSUAL FIRE & EXPLOSION HAZARDS: None

CONTAINER HANDLING: DO NOT CUT OR WELD EMPTY DRUMS UNLESS THOROUGHLY CLEANED.

V. REACTIVITY DATA

STABILITY:

Spontaneous heating may occur in such items as rags, insulation, and trash soaked with this material and exposed to air.

CONDITIONS TO AVOID: None

INCOMPATIBILITIES: Strong oxidizing agents

HAZARDOUS DECOMPOSITION: Carbon, Nitrogen, & Sulfur Oxides

HAZARDOUS POLYMERIZATION: Will Not Polymerize

VI. HEALTH HAZARD SUMMARY

ROUTES OF EXPOSURE AND EFFECTS OF OVEREXPOSURE

EYES:

Concentrate will cause eye irritation. Recommended use dilutions (10% or less) are not expected to cause eye irritation.

SKIN ABSORPTION:

Concentrate is not expected to be toxic. LD50 (rabbit) is greater than 2g/kg.

SKIN CONTACT:

Concentrate will cause skin irritation. Recommended use dilutions (10% or less) are not expected to cause skin irritation.

INHALATION:

Mists may cause respiratory irritation.

INGESTION:

Concentrate is not expected to be toxic. LD50 (rat) is greater than 5.0 g/kg.

CHRONIC EFFECTS:

A review of the literature does not show obvious long term hazard.

THRESHOLD LIMIT VALUE: Not Established for this product

CONTAINS KNOWN CARCINOGENS: no NTP: no IARC: no OSHA: no

EMERGENCY AND FIRST AID PROCEDURES

EYES:

CONCENTRATE - Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

RECOMMENDED USE DILUTIONS - In case of contact, flush eyes with plenty of water. Get medical attention if irritation occurs.

SKIN:

CONCENTRATE - In case of contact, immediately flush skin with plenty of water. Get medical attention. RECOMMENDED USE DILUTIONS - Wash skin with soap and water. If irritation occurs, get medical attention. Remove contaminated clothing and before reuse.

INHALATION:

If respiratory discomfort or irritation occurs, move the person to fresh air. See a doctor if discomfort or irritation continues.

INGESTION:

Get medical attention immediately.

VII. CONTROL MEASURES

RESPIRATORY PROTECTION:

Good industrial hygiene practices recommend that engineering controls be used to reduce environmental concentrations to the threshold limit value (TLV). If the associated TLV is exceeded, provide NIOSH approved respiratory protection.

GLOVES:

Impervious gloves such as rubber should be used when handling this product.

EYE PROTECTION:

Safety glasses with side shield or chemical goggles.

OTHER:

Eyewash facility. Appropriate clothing to avoid skin contact.

VIII. PRECAUTIONS

CONTAINMENT PROCEDURES:

Recover free liquid. Keep product out of streams and waterways by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses or extensive land areas.

WASTE DISPOSAL PROCEDURES:

Dispose of in accordance with local, state and federal regulations. Disposal of this material to the land may be banned by federal law (40 CFR 268).

STORAGE AND HANDLING PROCEDURES:

DO NOT ADD NITRITES TO THIS FLUID. Avoid breathing mists. Avoid contact with eyes. Avoid contact with skin and clothing. Wash thoroughly after handling. Do not ingest. Keep drums closed when not in use. Bring product to room temperature before use. Do not store near heat, flame or strong oxidizing agents.

RCRA HAZARDOUS WASTE DESIGNATION:

This product does not fall under current EPA RCRA definitions of hazardous waste.

CERCLA REPORTABLE QUANTITY:

This product does not contain any CERCLA regulated materials.

IX. OTHER HAZARD INFORMATION

This product has been tested using the Federal Hazardous Substances Act (FHSA) guidelines. See Section VI, Health Hazard Summary, for the results of those tests.

Genetic Toxicology

According to the Ames test, this product did not induce gene mutation in *S. typhimurium* strains (TA97, TA98, TA100, or TA102) with or without exogenous metabolic activation (S9).

Alkanolamine

In all metalworking fluids containing amines, there is a potential for forming nitrosamines which are animal carcinogens. Therefore no nitrites or related nitrosating agents should be added to such compositions.

Petroleum Oil Using the terminology of the International Agency for Research on Cancer (IARC), the oil is classified by the supplier as a "severely treated naphthenic/paraffinic." The supplier has stated that the oil does not require a carcinogen label as defined by OSHA 29 CFR 1910.1200.

X. ADDITIONAL REGULATORY INFORMATION

OCCUPATIONAL SAFETY and HEALTH ADMINISTRATION (OSHA)

29 CFR 1910.1200 Hazardous Chemical: yes

SUPERFUND AMENDMENT AND REAUTHORIZATION ACT OF 1986 (SARA)

Section 302, Extremely Hazardous Substance: no

Section 311, Hazardous Chemical: yes

Immediate: yes Delayed: no Fire: no Sudden Release: no Reactive: no

Section 313, Toxic Chemical: no

TOXIC SUBSTANCES CONTROL ACT (TSCA)

This product is a mixture and is NOT listed in the TSCA Inventory. The individual ingredients in the product are listed in the TSCA Inventory.

DEPARTMENT OF TRANSPORTATION (DOT)

PROPER SHIPPING NAME: COMPOUNDS OR LUBRICANTS, ITEM 50455 CL55

HAZARD CLASS (49 CFR 172.101): NA

HAZARD ID NUMBER: NA

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