

I. MATERIAL IDENTIFICATION

PRODUCT TRADE NAME: Castrol 4137 **RUST INHIBITOR**
MANUFACTURER: Castrol Industrial
Central Inc.
ADDRESS: 630 W. Washington Blvd. Chicago IL, 60661
MFG. FACILITY ADDRESS: 149 S. Grant Street North Aurora IL, 60542
Preparer: H. Diez Preparation Date: 03/01/1991

II. HAZARDOUS INGREDIENTS

MATERIAL OR COMPONENTS	%	CAS No.	TLV (ACGIH)	PEL (OSHA)
Dipropylene glycol monomethyl ether	1-5	34590-94-8	600mg/M3 (skin)	600mg/M3
Distillates (petroleum), hydrotreated heavy naphthenic	10-30	64742-52-5	5 mg/M3	5 mg/M3
Distillates (petroleum), hydrotreated light	70-100	64742-47-8	Not established	Not estab
Distillates (petroleum), hydrotreated light naphthenic	0-10	64742-53-6	5 mg/M3	5 mg/M3
Sulfonic acids, petroleum, barium salts (Barium Compounds)	1-5	61790-48-5	0.5mg/M3 for Ba	0.5mg/M3

Contains no other ingredients now known to be hazardous as defined by OSHA 29 CFR 1910.1000 (subpart z) and OSHA CFR 29 1910.120

III. PHYSICAL PROPERTIES

APPEARANCE & ODOR: Dark brown liquid, solvent odor
BOILING POINT 'F ('C): 392 199.98
MELTING POINT 'F ('C): NA NA
SPECIFIC GRAVITY (H2O=1): 0.82
VAPOR PRESSURE: 0.2
VAPOR DENSITY (AIR=1): ca. 5.7
EVAPORATION RATE (BUTYL ACETATE=1): 0.2
%VOLATILES BY VOLUME: 75-80%
SOLUBILITY IN H2O: Insoluble
pH AS IS: NA
pH (DILUTE): NA @ 0 %

IV. FIRE AND EXPLOSION HAZARDS

FLASHPOINT (method used)
154.99 'F 68.33 'C COC
FLAMMABLE LIMITS
LEL NA UEL NA
EXTINGUISHING MEDIA:
carbon dioxide, dry chemical, foam.

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 known.

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

V. REACTIVITY DATA

STABILITY: Stable- normal conditions

CONDITIONS TO AVOID: None known.

INCOMPATIBILITIES: Strong oxidizing agents

HAZARDOUS DECOMPOSITION: Potential combustion products are oxides of carbon, sulfur and barium.

HAZARDOUS POLYMERIZATION: Will Not Polymerize

VI. HEALTH HAZARD SUMMARY

ROUTES OF EXPOSURE AND EFFECTS OF OVEREXPOSURE

EYES:

Concentrate will cause eye irritation.

SKIN ABSORPTION:

No acute effects expected.

SKIN CONTACT:

Concentrate may cause skin irritation.

INHALATION:

TLV for product not established. Refer to Hazardous Materials List for ingredient TLV's.

INGESTION:

Oral LD50 not established. Do not ingest.

CHRONIC EFFECTS:

Prolonged or repeated contact with petroleum oil may remove natural oils and fats from the skin.

THRESHOLD LIMIT VALUE: Not established for product

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

EMERGENCY AND FIRST AID PROCEDURES

EYES:

In case of contact, flush eyes with plenty of water. Get medical attention if irritation persists.

SKIN:

Wash skin with soap and water. If irritation occurs, get medical attention. Wash clothing before reuse.

INHALATION:

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

INGESTION:

Do not induce vomiting; 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) or permissible exposure limit (PEL). If any associated TLV or PEL 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:

COMBUSTIBLE: Eliminate all ignition sources. Absorb liquid spills on suitable absorbent materials.

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:

Avoid contact with skin and eyes. Avoid breathing mists. Do not take internally. Keep container 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 contains barium and therefore may fall under current EPA RCRA definitions of hazardous waste with designation D005 because of toxicity if the product is disposed of in its original form.

CERCLA REPORTABLE QUANTITY:

This product does not contain any CERCLA regulated materials.

IX. OTHER HAZARD INFORMATION

PETROLEUM OIL: STEL = 10 mg/M³. Using terminology of the International Agency for Research on Cancer (IARC), the petroleum distillates listed in Section II are classified by the supplier as severely processed. Not all those listed in Section II may be present. The supplier has stated that these distillates do not require a carcinogen label as defined by OSHA 29 CFR 1910.1200.

The various suppliers of the solvent (CAS no. 64742-47-8) used in this product recommend TLV's ranging from 350 mg/M³ to 2 mg/M³. According to the suppliers, neither OSHA nor ACGIH have established limits for the solvent.

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: yes Fire: yes Sudden Release: no Reactive: no

Section 313, Toxic Chemical: yes

Barium compounds, 1-5%

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: Not regulated in containers <110 gallons

HAZARD CLASS (49 CFR 172.101): Not applicable

HAZARD ID NUMBER: Not applicable

DISCLAIMER

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