

MATERIAL SAFETY DATA SHEET

CASTROL INDUSTRIAL WEST INC.

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#88879

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SECTION I

TRADE NAME

PRODUCT NAME: CASTROL W 329 CUTTING FLUID
HAZARD CLASS:

SECTION II

HAZARDOUS INGREDIENTS

OTHER THAN THE INGREDIENTS LISTED TO THE RIGHT, THIS PRODUCT CONTAINS NO OTHER INGREDIENTS NOW KNOWN TO BE HAZARDOUS AS DEFINED IN OSHA 29 CFR 1910.1000 (SUB-PART Z), OSHA 29 CFR 1910.1200, THE NATIONAL FIRE PROTECTION ASSOCIATION LIST OF HAZARDOUS SUBSTANCES, AND THE CALIFORNIA GENERAL INDUSTRY SAFETY ORDER 5194.

INGREDIENTS	CAS NO.	PERCENT RANGE	HAZARD DATA
SEVERELY REFINED PETROLEUM OIL	64741-96-4	40-60	TLV=5MG/M3 PEL=5MG/M3

CHLORINATED PARAFFIN 68920-70-7 10-20 *

* THE SPECIFIC CHLORINATED PARAFFIN INCLUDED IN THIS PRODUCT HASN'T BEEN TESTED OR PROVEN TO CAUSE ADVERSE HEALTH EFFECTS OTHER CHLORINATED PARAFFINS HAVE BEEN TESTED AND SHOW EVIDENCE OF CARCINOGENICITY IN LABORATORY ANIMALS VIA INGESTION.

SECTION III

PHYSICAL DATA

BOILING POINT(DEGREES F): +500F MELTING POINT: UNKNOWN
SPECIFIC GRAVITY(H2O=1): 0.986 VAPOR PRESSURE(MMHG): NEG @ 70F
VAPOR DENSITY(AIR=1): UNKNOWN SOLUBILITY IN H2O, % BY WT. EMULSIFIES
% VOLATILES BY VOLUME: NEGLIGIBLE EVAPORATION RATE(BUTYL ACETATE=1): NEGLIGIBLE
pH: 9.2 @ 5%
APPEARANCE AND ODOR: CLEAR AMBER LIQUID; MILD ODOR

SECTION IV

FIRE AND EXPLOSION DATA

FLASH POINT (COC): >300F FIRE POINT (COC): --
FLAMMABLE LIMITS IN AIR % BY VOLUME: LOWER - UNKNOWN UPPER - UNKNOWN
EXTINGUISHING MEDIA: CO2, FOAM, DRY CHEMICAL
SPECIAL FIRE FIGHTING PROCEDURES: USE SELF-CONTAINED BREATHING EQUIPMENT
UNUSUAL FIRE AND EXPLOSION HAZARD: NONE KNOWN

SECTION V

HEALTH HAZARD INFORMATION

INGREDIENTS LISTED AS CARCINOGENS BY NTP, IARC, OR OSHA: NONE.
ROUTES OF EXPOSURE AND EFFECTS OF OVEREXPOSURE

INHALATION: TLV FOR PRODUCT NOT ESTABLISHED. REFER TO HAZARDOUS MATERIALS LIST FOR INGREDIENT TLV'S. PRODUCT NOT EXPECTED TO CAUSE RESPIRATORY TRACT IRRITATION.

SKIN CONTACT: CONTINUED CONTACT MAY CAUSE IRRITATION.

SKIN ABSORPTION: SKIN ABSORPTION IS NOT EXPECT TO OCCUR.

EYE CONTACT: WILL CAUSE EYE IRRITATION.

INGESTION: ORAL LD50 FOR THIS PRODUCT HAS NOT BEEN ESTABLISHED; DO NOT INGEST.

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE TO PRODUCT? NONE KNOWN.

EMERGENCY AND FIRST AID PROCEDURES

EYES: FLUSH EYES WITH WATER FOR 15 MINUTES; CONSULT A PHYSICIAN.

SKIN: WASH EXPOSED AREAS WITH SOAP AND WATER.

INHALATION: IF IRRITATION OCCURS, REMOVE TO FRESH AIR AREA AND AVOID FURTHER INHALATION

INGESTION: CONSULT A PHYSICIAN.

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VII SPILL OR LEAK PROCEDURES

Steps to be taken if material is released or spilled:
Flush spills to waste disposal system with water.

Waste disposal method:
Non-biodegradable contaminants introduced into used emulsions must be removed prior to disposal. Acid-alum or alum-polymeric demulsifiers may be used.

VIII SPECIAL PROTECTION INFORMATION

Ventilation requirements: If excessive misting occurs, provide local ventilation.

Specific Personal Protective Equipment
Respiratory: If excessive misting occurs, or if associated TLV is exceeded, provide NIOSH approved respiratory equipment with TC-21C-XXX cartridge combination.
Eyes: Face shield or goggles.
Gloves: Impervious, if desired.
Other Clothing and Equipment: Eyewash facility.

IX SPECIAL PRECAUTIONS

Precautionary Statements

DO NOT ADD NITRITES TO THIS FLUID.

Wash contaminated clothing before reuse. Avoid contact with eyes. Avoid breathing mists. Do not take internally.

Other Handling and Storage Requirements

Keep drums closed when not in use. Bring product to room temperature before use.

As required by SARA, Title III, Section 313, please note the presence of the following chemical(s) in this product: None applicable.

Labeling Requirements

Proper shipping name: Metal cutting, drawing or drilling compound

Hazard class(es)
- OSHA: See Section II for hazardous ingredients.
- RCRA: None
- DOT: None
Hazard labels required: None

Prepared by: Gary M. Andrews, Research Chemist
Date: January 23, 1990

Gary M. Andrews
RM 26 Jan 90

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