

CASTROL INDUSTRIAL NORTH AMERICA INC SPECIALTY PRODUCTS DIV -- BRAYCO 300, LP7039 --
9150-00-273-2389

===== Product Identification =====

Product ID:BRAYCO 300, LP7039

MSDS Date:04/06/1998

FSC:9150

NIIN:00-273-2389

Status Code:A

MSDS Number: CJMVD

=== Responsible Party ===

Company Name:CASTROL INDUSTRIAL NORTH AMERICA INC SPECIALTY PRODUCTS
DIV

Address:1001 WEST 31ST STREET

City:DOWNERS GROVE

State:IL

ZIP:60515-1280

Country:US

Info Phone Num:1-800-621-2661

Emergency Phone Num:800-621-2661

Chemtrec Ind/Phone:(800)424-9300

CAGE:2R128

=== Contractor Identification ===

Company Name:CASTROL INDUSTRIAL NORTH AMERICA INC SPECIALTY PRODUCTS
DIV

Address:1001 WEST 31ST STREET

Box:City:DOWNERS GROVE

State:IL

ZIP:60515-1280

Country:US

Phone:800-621-2661/ FAX: 630-241-4140

CAGE:2R128

Company Name:HOC INDUSTRIES, INC

Address:3511 N. OHIO

Box:2609

City:WICHITA

State:KS

ZIP:67219

Country:US

Phon

e:316-838-4663
Contract Num:SP0450-99-D-0496
CAGE:0A9L8

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===== Composition/Information on Ingredients =====

Ingred Name:HYDROTREATED MIDDLE PETROLEUM DISTILLATE
CAS:64742-46-7
RTECS #:JN9379645
Minumum % Wt:80.
Maxumum % Wt:85.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5 MG/M3 (OIL MIST)
ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:PHENOL, 2,6-BIS(1,1-DIMETHYLETHYL)-4-METHYL-
CAS:128-37-0
RTECS #:GO7875000
Minumum % Wt:1.
Maxumum % Wt:5.
Other REC Limits:10 MG/M3 (MSDS)
ACGIH TL
V:10 MG/M3

Ingred Name:DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC
CAS:64742-52-5
RTECS #:PY8035000
Minumum % Wt:1.
Maxumum % Wt:5.
Other REC Limits:5 MG/M3 TWA (MSDS)

Ingred Name:DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC
CAS:64742-54-7
RTECS #:PY8035500
Minumum % Wt:10.
Maxumum % Wt:15.
Other REC Limits:5 MG/M3 TWA (MSDS)

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===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogen

icity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE- EYES AND SKIN IRRITATION.

INHALATION: INHALATION OF HIGH CONCENTRATION OF MIST MAY PRODUCE IRRITATION AND DAMAGE TO THE RESPIRATORY TRACT. INGESTION: MAY CAUSE GASTROINTESTINAL DISTRESS. CHRONI C:NONE KNOWN. TARGET ORGANS: EYES, SKIN AND LUNGS.

Effects of Overexposure:EYE: IRRITATION, REDNESS, TEARING.

SKIN:DEFATTING, DRYNESS, DERMATITUS. INHAL: DIZZINESS, NAUSEA, HEADACHE, POSSIBLE UNCONSCIOUSNESS. I

NGESTION: NAUSEA, VOMITING, DIARRHEA AND ABDOMINAL PAIN.

Medical Cond Aggravated by Exposure:NONE LISTED IN MSDS.

===== First Aid Measures =====

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING. WIPE MATERIAL FROM SKIN. WASH THOROUGHLY W/SOAP & WATER. EYE:FLUSH WITH WATER FOR ATLEAST 15 MINS. CONTACT DOCTOR IF IRRITATION PERSISTS. INGESTION: DO NOT INDUCE V OMITING; ASPIRATION HAZARD. SEE DOCTOR IMMED. INHAL:REMOVE FROM AREA OF EXPOSURE. AD MINISTER CPR/OXYGEN IF BREATHING HAS STOPPED, GET MEDCAL HELP.

===== Fire Fighting Measures =====

Flash Point Method:COC

Flash Point:>135.C, 275.F

Autoignition Temp:Autoignition Temp Text:N/D

Lower Limits:N/D

Upper Limits:N/D

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, FOAM.

Fire Fighting Procedures:WATER OR FAOM MAY CAUSE FROTHING. USE WATER TO KEEP FIRE EXPOSED CONTAINERS COOL. WATER SPRAY MAY BE USED TO FLUSH SPILLS AWAY FROM EXPOSURE. IN ENCLOSED AREAS, FIREFIGHTERS MUST USE SELF-CONTAINED BR EATHING APPARATUS. PREVENT RUNOFF OR DILUTION FROM ENTERING STREAMS OR DRINKING WATER SUPPLY.

===== Accidental Release Measures =====

Spill Release Procedures:DO NOT PERMIT PRODUCT TO ENTER STREAMS, SEWERS OR OTHER WATERWAYS. DIKE SPILL AND ELIMINATE LEAK. ABSORB W/INERT MATERIAL AND STORE IN CLOSED CONTAINERS FOR DISPOSAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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== Handling and Storage =====

Handling and Storage Precautions: MAINTAIN AMBIENT TEMPERATURES. AVOID PROLONGED/REPEATED BREATHING OF VAPORS/MISTS/FUMES. KEEP CONTAINERS TIGHTLY CLOSED.

Other Precautions: DO NOT STORE NEAR HEAT, FLAME, STRONG OXIDANTS. MAINTAIN ADEQUATE VENTILATION. USE IN A WELL VENTILATED AREA.

===== Exposure Controls/Personal Protection =====

Respiratory Protection: USE NIOSH/MSHA APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE IF VAPOR CONCENTRATIONS EXCEED PERMISSIBLE EXPOSURE LIMITS.

Ventilation: PROVIDE SUFFICIENT MECHANICAL, GENERAL &/OR LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV. GREATER THAN 60 F3/MIN RECOMMEND

Protective Gloves: NEOPRENE

Eye Protection: CHEMICAL GOGGLES, SAFETY GLASSES WITH SIDE SHIELD

Other Protective Equipment: IMPERVIOUS PROTECTIVE CLOTHING AND CHEMICAL RESISTANT SAFETY SHOES. EYEWASH, EMERGENCY SAFETY SHOWER.

Work Hygienic Practices: WASH HANDS THOROUGHLY AFTER HANDLING. WASH

CONTAMINATED CLOTHING WITH SOAP AND WATER BEFORE REUSE.

Supplemental Safety and Health

===== Physical/Chemical Properties =====

HCC: V6

Boiling Pt: >260.C, 500.F

Melt/Freeze Pt: M.P/F.P Text: N/D

Vapor Pres: N/D

Vapor Density: N/D

Spec Gravity: 0.88 +/-

Evaporation Rate & Reference: