

CASTROL INC -- BRAYCOTE 194 -- 8030-01-340-4866

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

Product ID:BRAYCOTE 194

MSDS Date:11/13/1990

FSC:8030

NIIN:01-340-4866

MSDS Number: BNBXL

=== Responsible Party ===

Company Name:CASTROL INC

Address:16715 VON KARMAN AVE SUITE 230

City:IRVINE

State:CA

ZIP:92714

Country:US

Info Phone Num:714-660-9414

Emergency Phone Num:800-424-9300 (CHEMTREC)

Preparer's Name:KAREL W

RIGHT

CAGE:CASTR

=== Contractor Identification ===

Company Name:CASTROL INC

Address:240 CENTENNIAL AVE

City:PISCATAWAY

State:NJ

ZIP:08854-3910

Country:US

Phone:908-980-9100

CAGE:CASTR

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

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

Ingred Name:STODDARD SOLVENT; (

ALIPHATIC PETROLEUM DIST.)

CAS:8052-41-3

RTECS #:WJ8925000

Fraction by Wt: 45-50%

OSHA PEL:500 PPM

ACGIH TLV:100 PPM; 9293

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:SEVERE EYE IRRITANT.

PROLONGED/REPEATED SKIN CONTACT CAN CAUSE MODERATE IRRITATION,
DEFATTING. EXCESSIVE

INHALATION OF VAPORS CAN CAUSE

NASAL/RESPIRATORY IRRITATION. MAY CAUSE GASTROINTESTINAL IRRITATION;
ASPIRATION OF MATERIAL INTO LUNGS MAY BE FATAL.

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:EYE IRRITATION, REDNESS, TEARING, BLURRED
VISION. SKIN DERAMTITIS. NASAL/RESPIRATORY IRRITATION, DIZZINESS,
FATIGUE, NAUSEA, HEADACHE, POSSIBLE UNCONSCIOUSNESS, AND
ASPHYXIATION. INGESTION MAY CAUSE N AUSEA, VOMITING, DIARRHEA.

Medical Cond Aggravated by Exposur

e:NONE KNOWN.

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

First Aid:EYES: FLUSH W/LARGE AMOUNTS OF CLEAN WATER FOR AT LEAST 15
MINUTES. CONTACT MD IMMEDIATELY. SKIN: REMOVE CONTAMINATED
CLOTHING. WIPE MATERIAL FROM SKIN. WASH THOROUGHLY W/SOAP & WATER.
INHAL: REMOVE F ROM AREA OF EXPOSURE. ADMINISTER OXYGENIF DEEMED
NECESSARY. INGEST: DO NOT INDUCE VOMITING; ASPIRATION HAZARD.
CONSULT MD IMMEDIATELY.

===== Fire Fighting Measures =

Flash Point Method:COC

Flash Point:100F,38C

Lower Limits:1%

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, FOAM.

Fire Fighting Procedures:USE WATER AS FOG OR SPRAY TO COOL FIRE EXPOSED
CONTRS. WATER OR FOAM MAY CAUSE VIOLENT FROTHING, ESPECIALLY IF
SPRAYED ONTO HOT BURNING LIQUID. (SUPP DATA)

Unusual Fire/Explosion Hazard:VAPS ARE HEAVIER THAN AIR & MAY TRAVEL
ALONG GROUND & POSSIBLY IGNITE AT DISTANT LOCATION. COMBUST LIQ.
EMPTY CONTRS MAY RETAIN PROD RE

SIDUE/VAPORS (SUPP DATA)

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

Spill Release Procedures:ELIMINATE ALL SOURCES OF IGNITION. ALL CLEANUP PERSONNEL SHOULD WEAR PROT EQUIPMENT. STOP LEAKAGE, AND DIKE AREA OF SPILL TO PREVENT SPREADING. PUMP LIQUID PORTION, AND ABSORB REMAINING W/DRY INERT MA TERIAL. STORE IN CLOSED CONTRS UNTIL DISPOSAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

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Handling and Storage Precautions:MAINTAIN AMBIENT TEMP. AVOID PRLNG/RPTD BRTHG OF VAPS/MISTS/FUMES. KEEP CONTR TIGHTLY CLOSED. DO NOT STORE NEAR HEAT/FLAME/STRONG OXIDANTS.

Other Precautions:5 GAL. PAILS OR LARGER METAL CONTRS SHLD BE GROUNDED/BONDED WHEN MATL IS TRANSFERRED. MAINTAIN ADEQUATE VENTILATION.

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

Respiratory Protection:NIOSH/MSHA APPROVED CHEMICAL CARTRIDGE RESPIRATOR OR SUPPLIED AIR RESPIRAT ORY EQUIPMENT AS REQUIRED FOR CONCENTRATION EXCEEDING OCCUPATIONAL EXPOSURE RECOMMENDATION.

Ventilation:NOT NORMALLY REQUIRED. LOCAL EXHAUST, IN ADDITION TO GENERAL VENTILATION WHEN OCCUPATIONAL EXPOSURE LIMIT IS EXCEEDED.

Protective Gloves:OIL IMPERVIOUS TYPE GLOVES (NEOPRENE).

Eye Protection:CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:NORMAL WORK CLOTHING.

Work Hygienic Practices:DO NOT WEAR CONTAMINATED CLOTHING. LAUNDER BEFORE RE-USE OR DISCARD.

Supplemental Safety and Health

FIRE FIGHT PROC: WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT . EXPLO HAZ: WHICH CAN IGNITE EXPLOSIVELY; DO NOT CUT, DRILL OR WELD ON OR NEAR FULL OR EMPTY CONTAINERS.

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

Boiling Pt:B.P. Text:300F,149C

Vapor Pres:2 @ 68F

Vapor Density:>AIR

Spec Gravity:0.87 (H*2O=1)

Evaporation Rate & Reference:SLOWER THAN ETHER

Solubility in Water:NEGLIGIBLE

Appearance and Odor:DARK LIQUID; PETROLEUM SOLVENT ODOR

Percent Volatiles by Volume:45-50

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:TOXIC MATERIALS: CO*2, CO, VARIOUS
HYDROCARBONS AND SULFUR COMPOUNDS.

===== Disposal Considerations =====

Waste Disposal Methods:ALL RECOVERED MATL SHLD BE

PACKAGED/LBLD/TRANSPORTED & DISPOS

ED OF/RECLAIMED I/A/W/GOOD

ENGINEERING PRACTICES. DISPOSE OF BY METHOD I/A/W

LOCAL/STATE/FEDERAL REGS REGARDING HLTH/AIR/WATER POLLUTION. I F

PERMITTED, MAY BE DESTROYED BY LIQUIDINCIN.

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