

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 IRRITAT  
ION; 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 =====

===

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.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department  
of Defense. The United States of America in no manner whatsoever,  
expressly or implied, warrants this information to be accurate and  
disclaims all liability

for its use. Any person utilizing this

document should seek competent professional advice to verify and  
assume responsibility for the suitability of this information to their  
particular situation.