

CASTROL INDUSTRIAL NORTH AMERICA INC. -- BRAYCOTE 650 -- 9150-00-949-0323  
===== Product Identification =====

Product ID:BRAYCOTE 650

MSDS Date:11/12/1997

FSC:9150

NIIN:00-949-0323

Status Code:A

MSDS Number: CHVWS

=== Responsible Party ===

Company Name:CASTROL INDUSTRIAL NORTH AMERICA INC.

Address:1001 WEST 31ST STREET

City:DOWNERS GROVE

State:IL

ZIP:60515-1280

Country:US

Info Phone Num:800-621-26

61

Emergency Phone Num:800-621-2661/800-424-9300(CHEMTREC)

CAGE:CASTI

=== Contractor Identification ===

Company Name:CASTROL INDUSTRIAL INC

Address:1001 W 31ST

City:DOWNERS GROVE

State:IL

ZIP:60515-1280

Country:US

Phone:708-241-4000

CAGE:CASTI

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:PETROLEUM SULFONATE; NAPHTHALENESULFONIC ACID,DINONYLBARIUM SALT

CAS:25619-56-1

Fraction by Wt: 1-5%

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS NOT KNOWN.

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

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

Health Hazards Acute and Chronic:TARGET ORGANS: EYE, SKIN, RESPIRATORY & GASTROINTESTINA

L TRACTS. ACUTE- EYE: MAY CAUSE IRRITATION. SKIN:

CONCENTRATE MAY CAUSE IRRITATION. INHALE: FUMES MAY CAUSE RESPIRATORY IRRITATION AND POLYMER FUME FEVER. ORAL: MAY CAUSE GASTROINTESTINAL IRRITATION, VOMITING, ABDOMINAL PAIN. CHRONIC-NONE.

Explanation of Carcinogenicity:NONE.

Effects of Overexposure:IRRITATION, REDNESS, NAUSEA, VOMITING, DIARRHEA, BLURRED VISION, TEARING, HEADACHE, ABDOMINAL PAIN, FEVER, CHILLS

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN

DISORDERS, EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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

First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED: MOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. SKIN: WASH WITH SOAP & WATER. ORAL : GET MEDICAL ATTENTION. TREATMENT NOT NORMALLY REQUIRED.

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

Flash Point Method:COC

Flash Point:>500F,>260C

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE (CO2), FOAM OR DRY CHEMICAL. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:DO NOT ENTER ANY ENCLOSED OR CONFINED AREA WITHOUT PROPER PROTECTIVE EQUIPMENT AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:MAY FORM CORROSIVE AND TOXIC GASES. MAY GENERATE HYDROGEN GAS WH

ICH CAN BE IGNITED/EXPLODE. HYDROGEN  
FLUORIDE REACTS WITH WATER TO FORM HYDROFLUORIC ACID.

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

Spill Release Procedures:PICK UP SMALL SPILL WITH ABORBENT MATERIAL  
SUCH AS PAPER TOWELS, OIL DRY SAND OR DIRT. TRANSFER TO PROPER  
CONTAINER FOR DISPOSAL.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE AWAY FROM HEAT, FLAME AND STRON  
G

OXIDIZING AGENTS. KEEP OUT OF REACH OF CHILDREN. AVOID  
CONTAMINATION OF CIGARETTES WITH DUST OF THIS PRODUCT.

Other Precautions:DO NOT GET IN EYES. MINIMIZE SKIN CONTACT. WASH  
THOROUGHLY AFTER HANDLING. LAUNDER CONTAMINATED CLOTHING BEFORE  
REUSE. KEEP CONTAINER CLOSED TO AVOID CONTAMINATION. AVOID  
BREATHING MISTS OR FUMES.

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

Respiratory Protection:NONE NORMALLY NEEDED. IF EXCESSIVE MISTING IS  
EXPECTED O

R IF EXPOSURE MAY OR DOES EXCEED RECOMMENDED PERMISSIBLE  
EXPOSURE LIMITS, WEAR NIOSH-APPROVED ORGANIC VAPOR AND MIST  
RESPIRATOR (REFER TO 29 CFR 1910.134)

Ventilation:ADEQUATE

Protective Gloves:NEOPRENE TO MINIMIZE SKIN CONTACT

Eye Protection:GOGGLES/SAFETY GLASSES RECOMMENDED

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.

INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND  
RECOMMENDED PROCEDU

RES. WASH BEFORE EATING OR DRINKING.

Supplemental Safety and Health

FORMULA CHANGED. FOR PREVIOUS FORMULATIONS, SEE PNI A AND B, SAME NSN.

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

HCC:V6

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:>600F,>316C

Decomp Temp:Decomp Text:>572F,>300C

Spec Gravity:1.060 - 1.080

Solubility in Water:INSOLUBLE

Appearance and Odor:TAN SEMI-FLUID; MILD ODOR

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

Stability

Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS, REACTIVE METALS

Stability Condition to Avoid: EXTENDED EXPOSURE TO HIGH TEMPERATURES

Hazardous Decomposition Products: HYDROGEN FLUORIDE, CARBONYL FLUORIDE  
AND OTHER FLUORINATED COMPOUNDS MAY BE GENERATED.

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

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND  
FEDERAL REGULATIONS. THIS PRODUCT AS PURCHASED DOES NOT FALL UNDER  
CURRENT US EPA RCRA  
DEFINITIONS OF HAZARDOUS WASTE.

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