

CASTROL INDUSTRIAL NORTH AMERICA INC SPECIALTY PRODUCTS DIV -- BRAYCOTE 610 --
9150-01-197-7688

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

Product ID:BRAYCOTE 610

MSDS Date:07/13/2000

FSC:9150

NIIN:01-197-7688

Status Code:A

MSDS Number: CJKMB

=== 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:630-241-4000/800-621-2661

Emergency Phone Num:800-621-2661

Resp. Party Other MSDS Num.:MSDS CODE: 25026A

Preparer's Name:NOT PROVIDED

Chemtec 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:INLAND PACKAGING INC

Ad

dress:209 PETERSON DR

Box:644

City:ELIZABETHTOWN

State:KY

ZIP:42701-9804

Country:US

Phone:502-737-6757

Contract Num:SP0450-01-M-LB49

CAGE:66172

Company Name:INLAND PACKAGING INC

Address:209 PETERSON DR

Box:644

City:ELIZABETHTOWN

State:KY

ZIP:42701-9804

Country:US

Phone:502-737-6757

Contract Num:SP0450-99-M-B207

CAGE:66172

DED
OSHA PEL:NOT PROVIDED
ACGIH TLV:NOT PROVIDED

Inged Name:313 LISTED CHEMICALS: ZINC COMPOUNDS
CAS:68649-42-3
= Wt:1.

Other REC Limits:NOT PROVIDED
OSHA PEL:NOT PROVIDED
ACGIH TLV:NOT PROVIDED

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

LD50 LC50 Mixture:NOT PROVIDED
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:POTENTIAL HEALTH EFFECTS: EYE: MAY
CAUSE EYE IRRITATION
. SKIN CONTACT: CONCENTRATE MAY CAUSE SKIN
IRRITATION. SKIN ABSORPTION: NO ACUTE EFFECTS EXPECTED. INGESTION:
THIS PRODUCT MAY CAUSE GASTROINTE STINAL DISTRESS WITH SYMPTOMS OF
NAUSEA, VOMITING, DIARRHEA, AND ABDOMINAL PAIN. INHALATION:
INHALATION OF HIGH CONCENTRATIONS OF MISTS MAY PRODUCE IRRITATION
AND DAMAGE TO THE RESPIRATORY TRACT. CHR ONIC EFFECTS: A REVIEW OF
THE LITERATURE DOES NOT SHOW OBVIOUS LONG TERM HAZARD.
Explanation of Carcinogenicity:NO COMPONENT KNOW
N TO BE PRESENT IN THIS
PRODUCT AT >0.1% IS PRESENTLY LISTED AS A CARCINOGEN BY IARC, NTP
OR OSHA.

Effects of Overexposure:EYE: MAY CAUSE EYE IRRITATION. SKIN CONTACT:
CONCENTRATE MAY CAUSE SKIN IRRITATION. INGESTION: THIS PRODUCT MAY
CAUSE GASTROINTESTINAL DISTRESS WITH SYMPTOMS OF NAUSEA, VOMITING,
DIARRHEA, AND ABDOM INAL PAIN. INHALATION: INHALATION OF HIGH
CONCENTRATIONS OF MISTS MAY PRODUCE IRRITATION AND DAMAGE TO THE
RESPIRATORY TRACT.

Medical Cond Aggravate
d by Exposure:NOT PROVIDED

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

First Aid:EYES: FLUSH WITH PLENTY OF WATER. GET MEDICAL AID IF
IRRITATION PERSISTS. SKIN: WASH THOROUGHLY WITH SOAP AND WATER.
OBTAIN IMMEDIATE MEDICAL AID IF GREASE IS INJECTED UNDER THE SKIN.
INGESTION: AS PIRATION HAZARD: DO NOT INDUCE VOMITING OR GIVE
ANYTHING BY MOUTH BECAUSE THIS MATERIAL CAN ENTER THE LUNGS AND
CAUSE SEVERE DAMAGE. DO NOT LEAVE UNATTENDED. IF VOMITING O

CCURS,

OR COMATOSA OR LETHARGIC, PLACE ON THE LEFT SIDE WITH HEAD DOWN. SEEK IMMEDIATE MEDICAL AID. INHALATION: REMOVE FROM EXPOSURE AREA TO FRESH AIR IMMEDIATELY. ASSIST WITH BREATHING SUPPORT MEASURES IF NEEDED. GET MEDICAL AID IMMEDIATELY.

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

Flash Point: 243.3C, 470.F

Autoignition Temp: Autoignition Temp Text: N/D

Lower Limits: N/D

Upper Limits: N/D

Extinguishing Media: DRY CHEMICAL, WATER-FOG, CHEMICAL FOAM, OR CO₂.

DIRECT WATER-STREAM MAY CAUSE FROTHING.

Fire Fighting Procedures: WATER OR FOAM MAY CAUSE FROTHING. USE WATER TO KEEP FIRE EXPOSED CONTAINERS COOL. WATER SPRAY MAY BE USED TO FLUSH SPILLS AWAY FROM EXPOSURE. FOR FIRES IN ENCLOSED AREAS.

FIREFIGHTERS MUST USE SELF-CONTAINED BREATHING APPARATUS. PREVENT RUNOFF FROM FIRE CONTROL DILUTION FROM ENTERING STREAMS OR DRINKING WATER SUPPLY.

Unusual Fire/Explosion Hazard: NONE KNOWN

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

Spill Release Procedures: ABSORB WITH AN INERT MATERIAL. SWEEP UP AND DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

Neutralizing Agent: NOT RELEVANT

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

Handling and Storage Precautions: MAINTAIN AMBIENT TEMPERATURES. AVOID PROLONGED/REPEATED BREATHING OF VAPORS, MISTS, FUMES. KEEP CONTAINER TIGHTLY CLOSED. DO NOT STORE NEAR HEAT, FLAME, STRONG OXIDANTS. MAINTAIN ADEQUATE VENTILATION.

Other Precautions: NOT PROVIDED

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

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

Ventilation: PROVIDE SUFFICIENT MECHANICAL, GENERAL, AND/OR LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW ANY APPLICABLE TLV OR PEL.

Protective Gloves: NEOPRENE TYPE GLOVES

Eye Protection: SAFETY GLASSES WITH SIDE SHIELD OR CHEMICAL

AL GOGGLES.

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

Work Hygienic Practices:WASH CONTAMINATED CLOTHING WITH SOAP AND WATER AND DRY BEFORE REUSE.

Supplemental Safety and Health

ABBREVIATION: N/A = NOT APPLICABLE. N/AV = NOT AVAILABLE. N/K = UNKNOWN. N/P = NOT PROVIDED. N/R = NOT RELEVANT. N/D = NOT DETERMINED. N/E = NOT ESTABLISHED.

===== Physical/Chemical Properties =====
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HCC:V6

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:>232.2C, 450.F

Melt/Freeze Pt:M.P/F.P Text:NOT DETERMINED

Decomp Temp:Decomp Text:NOT PROVIDED

Vapor Density:N/D

Spec Gravity:0.8800

Viscosity:NOT AVAILABLE

Solubility in Water:NEGLIGIBLE

Appearance and Odor:AMBER GREASE, BLAND ODOR

Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES

AVOID HEAT, OPEN FLAMES, AND OXIDIZING MATERIALS.

Stability Co

Condition to Avoid:AVOID CONTACT WITH STRONG OXIDIZING

AGENTS. EXTENDED EXPOSURE TO HIGH TEMPERATURES MAY CAUSE DECOMPOSITION

Hazardous Decomposition Products:DEPENDENT ON COMBUSTION CONDITIONS, A COMPLEX MIXTURE INCLUDING CARBON MONOXIDE, OXIDES OF ZINC AND CALCIUM; VARIOUS HYDROCARBONS.

===== Toxicological Information =====

Toxicological Information:ACUTE INHALATION EFFECTS: INHALATION OF HIGH CONCENTRATIONS OF MISTS MAY PRODUCE IRRITATION & DAM

AGE TO THE

RESPIRATORY TRACT. CHRONIC EFFECTS: A REVIEW OF THE LITERATURE DOES NOT SHOW OBVIOUS LONG TERM HAZARD. ACUTE ORAL EFFECTS (INGESTION): THIS PRODUCT MAY CAUSE GASTROINTESTINAL DISTRESS WITH SYMPTOMS OF NAUSEA, VOMITING, DIARRHEA, AND ABDOMINAL PAIN.

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Ecological Information
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Ecological:NO SPECIFIC ECOLOGICAL DATA ARE AVAILABLE FOR THIS PRODUCT.

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Disposal Considerations
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Waste Disp

osal Methods:THIS PRODUCT AS PURCHASED DOES NOT FALL UNDER CURRENT RCRA DEFINITIONS OF HAZARDOUS WASTE. UNDER RCRA IT IS THE GENERATOR'S RESPONSIBILITY TO DETERMINE THE STATUS OF THE WASTE AT THE TIME OF ITS DISPOSAL. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE; FEDERAL REGULATIONS. DISPOSAL OF THIS MATERIAL TO THE LAND MAY BE BANNED BY FEDERAL LAW (40 CFR 268).

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MSDS Transport Information
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Transport Information:NOT REGULATED.

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Regulatory Information
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SARA Title III Information:SECTION 311/312 HAZARD CLASS: IMMEDIATE-YES. SECTION 313 TOXIC CHEMICALS: ZINC COMPOUNDS (68649-42-3). CERCLA REPORTABLE QUANTITY: THIS PRODUCT DOES CONTAIN A CERCLA REGULATED MATERIAL - ZINC, RQ = 1000 LBS.

Federal Regulatory Information:THIS PRODUCT IS A MIXTURE AND IS NOT LISTED IN THE TSCA INVENTORY. THE INDIVIDUAL INGREDIENTS IN THE PRODUCT ARE LISTED IN THE TSCA INVENTORY.

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te Regulatory Information:NOT PROVIDED

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Other Information
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