

CASTROL INDUSTRIAL NORTH AMERICA INC SPECIALTY PRODUCTS DIV -- ICEMATIC E68 --
9150-01-435-1899

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

Product ID:ICEMATIC E68

MSDS Date:04/06/1998

FSC:9150

NIIN:01-435-1899

Status Code:A

MSDS Number: CJGPJ

=== 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:800-631-2661

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

Contract Num:SP0450-99-M-B012

CAGE:2R128

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

Ingred Nam

e:NO INGREDIENTS NOW KNOWN TO BE HAZARDOUS AS DEFINED BY OSHA

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

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

Health Hazards Acute and Chronic:EYES: MAY CAUSE EYE IRRITATION. SKIN:
CONCENTRATE MAY CAUSE SKIN IRRITATION. INGESTION: MAY CAUSE
GASTROINTESTINAL DISTRESS. INHALATION: VAPOR MAY BE IRRITATING TO
THE RESPIRATORY TRACT. CHRONIC: A REVIEW OF THE LITERATURE DOES
NOT SHOW OBVIOUS LONG TERM HAZARD

Explanation of Carcinogenicity:NO COMPONENT PRESENT IN THIS PRODUCT AT
>0.1% IS PRESENTLY LISTED AS A CARCINOGEN BY IARC, NTP, OR OSHA.

Effects of Overexposure:EYES: IRRITATION. SKIN: CONCENTRATE MAY CAUSE
IRRITATION. INGESTION: MAY CAUSE NAUSEA, VOMITING, DIARRHEA, AND
ABDOMINAL PAIN. INHALATION: MAY BE IRRITATING TO THE RESPIRATORY
TRACT.

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

First Aid:EYES:FLUSH EYES WITH PLENTY OF WATER. SKIN:WASH SKIN W
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PLENTY OF SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. REMOVE
CONTAMINATED CLOTHING & WASH BEFORE REUSE. USE SKIN CREAM FOR
DEFATTED AREAS. GET MEDICAL ATTENTION FOR EYE/SKIN CONTACT IF
NEEDED. INGESTION:ASPIRATION HAZARD. DO NOT INDUCE VOMITING OR GIVE
ANYTHING BY MOUTH. DO NOT LEAVE VICTIM UNATTENDED. IF VOMITING
OCCURS, OR IF COMATOSA OR LETHARGIC, PLACE ON THE LEFT SIDE WITH
THE HEAD DOWN. SEEK IMMEDIATE MEDICAL ATTENTION. INHALATION:REMOVE
FROM EXPOS
URE. ASSIST WITH BREATHING IF NEEDED. KEEP PERSON WARM &
AT REST. GET MEDICAL A TTENTION IMMEDIATELY.

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

Flash Point Method:COC

Flash Point:=204.4C, 400.F

Autoignition Temp:Autoignition Temp Text:N/D

Lower Limits:N/D

Upper Limits:N/D

Extinguishing Media:CARBON DDIOXIDE, DRY CHEMICAL, FOAM

Fire Fighting Procedures:WATER OR FOAM MAY CAUSE FROTHING. USE WATER TO
KEEP FIRE EXPOSED CONTAINER COOL. WATER SPRAY MAY BE USED TO F

LUSH

SPILLS AWAY FROM EXPOSURE. FOR FIRES IN ENCLOSED AREAS, FIREFIGHTERS MUST USE SELF-CONTAINED BREATHING APPARATUS. PREVENT RUNOFF FROM FIRE CONTROL OR DILUTION FROM ENTERING STREAM OR DRINKING WATER SUPPLY.

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

Spill Release Procedures: LARGE SPILLS: WEAR APPROPRIATE PROTECTIVE CLOTHING. STOP SOURCE OF LEAK IF POSSIBLE. DIKE, CONTAIN SPILL & RECOVER FREE LIQUID. PREVENT ENTRY INTO WATERWAYS. SOAK UP RESIDUE

WITH AN INERT ABSORBENT SUCH AS CLAY, SAND, OR OTHER SUITABLE MATERIAL. STORE & DISPOSE PROPERLY. FLUSH AREA WITH WATER. WHERE FEASIBLE & APPROPRIATE, REMOVE CONTAMINATED SOIL. SMALL SPILLS: NEUTRALIZE AND/OR SOAK UP SPILL.

===== 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.

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

Respiratory Protection: GOOD INDUSTRIAL HYGIENE PRACTICES RECOMMEND THAT ENGINEERING CONTROLS BE USED TO REDUCE ENVIRONMENTAL CONCENTRATIONS TO THE TLV. IF THE ASSOCIATED TLV IS EXCEEDED, PROVIDE NIOSH APPROVED RESPIRATORY PROTECTION.

Ventilation: PROVIDE SUFFICIENT MECHANICAL, GENERAL, AND/OR LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV. >60 F3/MIN RECOMMENDED

Protective Gloves: USE NITRILE TYPE GLOVES WHEN HANDLING THIS PRODUCT.

Eye Protection: SAFETY GLASSES WITH SIDE SHIELD OR CHEMICAL GOGGLES.

Other Protective Equipment: IMPERVIOUS PROTECTIVE CLOTHING AND CHEMICAL RESISTANT SAFETY SHOES SHOULD BE WORN TO MINIMIZE CONTACT.

Work Hygienic Practices: WASH CONTAMINATED CLOTHING WITH SOAP AND WATER AND DRY BEFORE REUSE. EMERGENCY SHOWER AND EYEWASH FACILITY SHOULD BE PROVIDED IN WHICH THIS PRODUCT IS HANDLED.

Supplemental Safety and Health

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

HCC:N1

Boiling Pt:>260.C, 500.F

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

Vapor Pres:NEGLIGIBLE

Vapor Density:>5

Spec Gravity:0.9800

Evaporation Rate & Reference:NEG (N-BUTYL ACETATE=1

Solubility in Water:INSOLUBLE

Appearance and Odor:CLEAR COLORLESS LIQUID; SLIGHT PETROLEUM ODOR

Percent Volatiles by Volume:NEGLIGIBLE

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

Stability Indicator/Materials to Avoid:YE

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STRONG OXIDIZERS, HEAT, AND SOURCES OF IGNITION

Stability Condition to Avoid:NONE KNOWN

Hazardous Decomposition Products:SMOKE, FUMES, CO; CO2

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

Toxicological Information:SEE HEALTH HAZARDS

===== Ecological Information =====

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

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

Waste Disposal Methods:DISPOS

E OF IN ACCORDANCE WITH LOCAL, STATE, AND

FEDERAL REGULATIONS. DISPOSAL OF THIS MATERIAL TO THE LAND MAY BE BANNED BY FEDERAL LAW (40 CFR 268).

===== MSDS Transport Information =====

Transport Information:NOT REGULATED.

===== Regulatory Information =====

SARA Title III Information:THERE ARE NO 313 CHEMICALS PRESENT ABOVE THE THRESHOLD VALUES.

Federal Regulatory Information:HAZARDOUS PER OSHA 29 CFR 1910.1200.

Discl

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

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