

CASTROL INC.,BRAY PRODUCTS DIV. -- PN:21055 ICEMATIC SW-68 -- 9150-01-387-4469

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

Product ID:PN:21055 ICEMATIC SW-68

MSDS Date:05/01/1994

FSC:9150

NIIN:01-387-4469

MSDS Number: BVHNR

=== Responsible Party ===

Company Name:CASTROL INC.,BRAY PRODUCTS DIV.

Address:16715 VON KARMAN AVE.,SUITE 230

City:IRVINE

State:CA

ZIP:92714

Country:US

Info Phone Num:714-660-9414/ABR

OAD 202-4837616COLL

Emergency Phone Num:714-660-9414/800-424-9300(CHEMTREC)

Preparer's Name:RICHARD DE VICARIIS

CAGE:EO288

=== Contractor Identification ===

Company Name:CASTROL INC.,BRAY PRODUCTS DIV.

Address:16715 VON KARMAN AVE.,SUITE 230

City:IRVINE

State:CA

ZIP:92714

Country:US

Phone:714-660-9414/ABROAD 202-4837616COLL

CAGE:EO288

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:U

S

Phone:800-621-2661/ FAX: 630-241-4140

CAGE:2R128

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

Ingred Name:PER MSDS:NO HAZARDOUS INGREDIENTS PRESENT

RTECS #:9999999ZZ

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

=====
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:MAY CAUSE MILD EYE IRRIT.PROL/REP SKIN CONTACT MAY CAUSE IRRIT,DEFATTING.EXCESSIVE INHAL OF VAPORS MAY CAUSAE NASAL/RESPIRATORY IRRIT,DIZZ.INGESTION CAN CAUSE GASTRO-INTESTINAL IRRIT,NAUSEA,VOMITING,D IARR.

Explanation of Carcinogenicity:PER MSDS:PRODUCT CONTAINS NO MATLS CURRENTLY CLASSIFIED AS CARCINOGENIC BY NTP/IARC/OSHA.

Effects of Overexposure:EYE IRRIT,REDNESS,TEARING,BLURRED VISION. SKIN IRRIT,DEFATTTING,DERMATITIS. RESPIRATORY/NASAL IRRIT,DIZZINESS,N

AUSEA,HEADAHCE;POSSIBLY UNCONSCIOUSNESS,ASPHYXIATION.

Medical Cond Aggravated by Exposure:NONE KNOWN.

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

First Aid:SKIN:REMOVE COTAMIN CLOTH.WIPE MATL FROM SKIN.WASH THOROUGHLY W/SOAP/WATER.EYE:FLUSH W/LG AMTS OF CLEAN WATER FOR @LEAST 15MINS.CONTACT PHYSICIAN IF IRRIT PERSISTS.INGEST:DONT INDUCE VOMITING;ASPIRATI ON HAZARD.CONSULT PHYSICIAN IMMED.INHAL:REMOVE FROM AREA OF EXPO.AMINISTER OXY IF DEEMED NECESSA RY.IF BREATHING HAS STOPPED ADMINISTER CPR.CONTACT PHYSICIAN.

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

Flash Point Method:COC

Flash Point:400F,204C MIN

Autoignition Temp:Autoignition Temp Text:NP

Lower Limits:ND

Upper Limits:ND

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, FOAM.

Fire Fighting Procedures:USE WATER AS FOG OR SPRAY TO COOL FIRE EXPO CNTNRS.WEAR SELF-CONTAINED BREATHING APPARATUS IN POSITIVE PRESSURE MODE IN CONFINED AREAS.

Unusual Fire

/Explosion Hazard:EMTPY CNTNRS MAY RETAIN PRODUCT RESIDUE OR VAPORS WHICH CAN IGNITE EXPLOSIVELY;DONT CUT/DRILL/WELD ON/NEAR FULL/EMPTY CNTNRS.

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

Spill Release Procedures:DONT PERMIT PRODUCT TO ENTER STREAMS/SEWERS/OTHER WATERWAYS.DIKE/ELIMINATE LEAK.ABSORB W/INERT MATL.STORE IN CLSD CNTNR TIL DISPO.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

=====

Handling and Storage Precautions:MAINTAIN AMB TEMPS.AVOID PROL/REP BREATH VAP/MIST/FUMES.KEEP CNTNR TIGHTLY CLSD.DONT STORE NEAR HEAT/FLAME/STRONG OXIDANTS.MAINTAIN ADEQUA VENTILATION
Other Precautions:WASH THOROUGHLY AFTER USE.

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

Respiratory Protection:USE IN WELL VENTILATED AREA.IF MIST IS FORMED USE NIOSH/MSHA APPROVED FILTER RESPIRATOR.
Ventilation:PROVIDE SUFFICIENT MECHANICAL,GENERAL &/OR LOCAL EXHAUST T
O
MAINTAIN EXPOSURE BELOW TLV.
Protective Gloves:NOT REQUIRED FOR GENERAL USE
Eye Protection:SAF GLASSES &/OR SPLASH GOGG RECOMMENDED
Other Protective Equipment:NEOPRENE-TYPE IMPERVIOUS GLOVES RECOMMENDED FOR PROL EXPO.
Work Hygienic Practices:DONT WEAR CONTAM CLOTH;LAUNDRER BEF REUSE/DISCARD.DONT TAKE ANY FOOD/DRINK/HNDLG TOBACCO PRODUCTS WHILE IN CONTACT W/MATL
Supplemental Safety and Health

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

HCC:V6
Boiling Pt
:B.P. Text:>500F,>260C
Melt/Freeze Pt:M.P/F.P Text:NP
Decomp Temp:Decomp Text:NP
Vapor Pres:NEGLIGIBLE
Vapor Density:>5
Spec Gravity:0.98
pH:NP
Viscosity:NP
Evaporation Rate & Reference:NEGLIGIBLE, BUAC=1
Solubility in Water:NOT SOLUBLE
Appearance and Odor:CLEAR COLORLESS LIQUID, SLIGHT PETROLEUM ODOR
Percent Volatiles by Volume:NEGLIG
Corrosion Rate:NP

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS.
St

ability Condition to Avoid:HEAT, OPEN FLAME.

Hazardous Decomposition Products:SMOKE, FUMES, CO, CO2.

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

Waste Disposal Methods:RECOVERED MATL PKG/LABEL/TRANSPOR/DISPO OF OR RECLAIMED IN CONFORMANCE W/GOOD ENGINEERING PRACT.DISPO OF BY METHOD IN COMPLIANCE W/LOC/STATE/FED REGS REGARDING HEALTH/AIR/WATER POLLUTION.MAY BE DESTROY ED BY CONTROLLED INCINERATION.NO SARA/CERCLA/RCRA.

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.