

CASTROL INC, BRAY PRODUCTS DIV. -- PENETRANT REMOVER H91 CONCENTRATE --
6850-01-263-8230

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

Product ID: PENETRANT REMOVER H91 CONCENTRATE

MSDS Date: 06/02/1983

FSC: 6850

NIIN: 01-263-8230

Kit Part: Y

MSDS Number: BJFVG

=== 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
Emergency Phone Num: 714-660-9414

CAGE: KO468

=== Contractor Identification ===

Company Name: CASTROL INC, BRAY PRODUCTS DIV.

Address: 16715 VON KARMAN AVE., SUITE 230

Box: City: IRVINE

State: CA

ZIP: 92714

Country: US

Phone: 714-660-9414

CAGE: KO468

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

===== Compo

sition/Information on Ingredients =====

Ingred Name:SURFACTANT (NON-IONIC)
Other REC Limits:NONE SPECIFIED

Ingred Name:GLYCOLS (TYPE NOT SPECIFIED)
Other REC Limits:NONE SPECIFIED

Ingred Name:GLYCOL ETHERS
Other REC Limits:NONE SPECIFIED

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Other REC Limits:NONE SPECIFIED

Ingred Name:CORROSION INHIBITOR
Other REC Limits:NONE SPECIFIED

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

Routes of Entry: Inhalation:NO
Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: EYE, SKIN, AND GASTROINTESTINAL
TRACT IRRITATION. CHRONIC: PROLONGED OR REPEATED SKIN CONTACT MAY
RESULT IN AN ALLERGIC SKIN REACTION.
Explanation of Carcinogenicity:NONE OF THE COMPOUNDS IN THIS PRODUCT IS
LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.
Effects of Overexposure:EYE, SKIN, AND GASTROINTESTINAL TRACT
IRRITATION SUCH AS TEARING, RASH, OR NAUSEA.
Medical
Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS
OR WITH A PRE-EXISTING DISEASE INVOLVING THE SKIN MAY BE AT
INCREASED RISK FROM EXPOSURE.

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

First Aid:EYES: FLUSH WITH RUNNING WATER FOR 15 MINUTES WHILE HOLDING
EYELID. GET MEDICAL ATTENTION IMMEDIATELY. SKIN: WASH WITH SOAP &
WATER. REMOVE CONTAMINATED CLOTHING. GET MEDICAL ADVICE.
ASPIRATION: GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE

VOMITING. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET MEDICAL ATTENTION IMMEDIATELY.

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

Flash Point:>212F,>100C

Autoignition Temp:Autoignition Temp Text:UNKNON

Extinguishing Media:USE CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fi

re/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:PREVENT ENTRY INTO STREAMS AND RIVERS. THESE PRODUCTS ARE WATER SOLUBLE AND SMALL SPILLAGES MAY BE DISPOSED OF BY FLUSHING AWAY TO SEWER WITH LARGE QUANTITIES OF WATER.

Neutralizing Agent:DILUTE WITH WATER.

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

Handling and Storage Precautions:NO SPECIAL PRECAUTIONS.

Other Preca

utions:TO AVOID THE POSSIBILITY OF SKIN DISORDERS, REPEATED OR PROLONGED CONTACT WITH THE PRODUCT IS TO BE AVOIDED AND IT IS ESSENTIAL THAT ALL WHO COME INTO CONTACT WITH THESE

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

Respiratory Protection:WEAR A NIOSH/MSHA APPROVED RESPIRATOR IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL/TLV. WEAR SELF-CONTAINED BREATHING APPARATUS IF REQUIRED FOR HIGH LEVELS OF CONTAMINATES.

Ventilation:MECHAN

ICAL (GENERAL) VENTILATION AS REQUIRED TO PREVENT BUILD UP OF MISTS IN THE WORKING ATMOSPHERE.

Protective Gloves:IMPERVIOUS PVC OR OTHER PLASTIC MATERIAL

Eye Protection:SAFETY GLASSES - CHEMICAL SPLASH GOGGLES

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.

INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES.

LAUNDER CONTAMINATED CLOTHING BEFORE WEARING. KEEP WORK AREA CLEAN.

Supplemental Safety and Health

h

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO NOT BREATHE VAPORS OR MISTS. DO NOT INGEST. READ PRECAUTIONS ON LABEL BEFORE USE.

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

HCC:N1

Appearance and Odor:LIQUID

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

Stability Indicator/Materials to Avoid:YES

NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

=====

Disposal Considerations =====

Waste Disposal Methods:DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

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.