

CASTROL INC, BRAY PRODUCTS DIV. -- PENETRANT REMOVER H91 CONCENTRATE --  
6850-01-266-4548

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

Product ID: PENETRANT REMOVER H91 CONCENTRATE

MSDS Date: 06/02/1983

FSC: 6850

NIIN: 01-266-4548

Kit Part: Y

MSDS Number: BJFWF

=== Responsible Party ===

Company Name: CASTROL INC, BRAY PRODUCTS DIV.

Address: 16715 VON KARMAN AVE., SUITE 230

City: IRVINE

State: CA

ZIP: 92714

Country: US

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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.

LAUNDRY CONTAMINATED CLOTHING BEFORE WEARING. KEEP WORK AREA CLEAN. Supplemental Safety and Health

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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.

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Physical/Chemical Properties  
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HCC:N1

Appearance and Odor:LIQUID

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Stability and Reactivity Data  
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Stability Indicator/Materials to Avoid:YES

NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

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

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