

CASTROL INC, BRAY PRODUCTS DIV. -- 4455 FLUORESCENT PENETRANT -- 6850-01-267-7987  
===== Product Identification =====

Product ID:4455 FLUORESCENT PENETRANT

MSDS Date:01/01/1987

FSC:6850

NIIN:01-267-7987

MSDS Number: BJFWS

=== Responsible Party ===

Company Name:CASTROL INC, BRAY PRODUCTS DIV.

Address:16715 VON KARMAN AVE.,SUITE230

City:IRVINE

State:CA

ZIP:92714

Country:US

Info Phone Num:714-660-941

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Emergency Phone Num:714-660-9414

CAGE:KO468

=== Contractor Identification ===

Company Name:CASTROL INC, BRAY PRODUCTS DIV.

Address:16715 VON KARMAN AVE.,SUITE230

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

===== Composition/Information on Ing

redients =====

Ingred Name:ESTERS  
Other REC Limits:NONE SPECIFIED

Ingred Name:SURFACTANT(S) - TYPE NOT SPECIFIED  
Other REC Limits:NONE SPECIFIED

Ingred Name:HYDROCARBON SOLVENTS  
Other REC Limits:NONE SPECIFIED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: EYE, SKIN, GASTROINTESTINAL  
TRACT IRRITATION. CHRONIC  
: PROLONGED OR REPEATED SKIN CONTACT MAY  
RESULT IN AN ALLERGIC SKIN REACTION OR DEFATTING OF THE SKIN.  
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, 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 EXPOS  
URE.

===== 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 IMMEDIATE MEDICAL ATTENTION. INGESTION: DO NOT  
INDUCE VOMITING. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET MEDICAL  
ATTENTION IMMEDIATELY.

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

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Flash Point:158F,70C  
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 Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY CAUSE  
PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS.

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

Spill Release Procedure

s:PREVENT ENTRY OF PRODUCT INTO STREAMS, SEWERS AND RIVERS. SMALL: SHOULD BE SOAKED UP WITH ABSORBENT CLAY OR DIATOMACEOUS EARTH AND DISPOSED OF IN AN APPROVED MANNER. LARGE: CONTAIN AS SOON AS POSSIBLE AND REMOVE BY BEST AVAILABLE MEANS. Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE . PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

Other Precautions:TO AVOID THE POSSIBILITY OF SKIN DISORDERS, REPEATED OR PROLONGED CONTACT WITH LUBRICANTS AND INDUSTRIAL OILS IS TO BE AVOIDED. IT IS ESSENTIAL THAT ALL WHO COME INTO CONTACT WITH SUCH PRODUCTS MAINTAIN HIGH STANDARDS OF PERSONAL HYGIENE.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR FOR OIL MIST IF REQUIRED.

Ventilation:LOCAL & MECHANICAL(GENERAL) VENTILATION RECOMMENDED TO PREVENT BUILD-UP OF OIL MISTS IN THE WORKING AREA.

Protective Gloves:IMPERVIOUS PVC OR OTHER PLASTIC GLOVES

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:CONTAMINATED CLOTHING SHOULD BE CHANGED IMMEDIATELY AND THOROUGHLY CLEANSED BEFORE RE-USE. THIS APPLIES TO UNDERGARMENTS

Supplemental Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO NOT BREATHE VAPORS OR MISTS. BUILD-UP OF OIL MISTS IN THE WORKING ATMOSPHERE MUST BE PREVENTED. DO NOT INGEST. IF ASPIRATED INTO THE LUNGS, SEND PATIENT TO HOSPITAL OBTAIN MEDICAL ATTENTION IMMEDIATELY.

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

HCC:V4

Appearance and Odor:YELLOW GREEN FLUORESCENT MOBILE LIQUID. ODOR NOT SPECIFIED.

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===== Stability

and Reactivity Data =====

Stability Indicator/Materials to Avoid: YES

NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid: HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES

Hazardous Decomposition Products: CARBON MONOXIDE AND CARBON DIOXIDE

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

Waste Disposal Methods: DISPOSAL SHOULD BE BY INCINERATION IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS. TAKE CARE TO AVOID FLARE-UP WHEN INCINERATING.

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