

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:714-660-9414

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 Ingr

edients =====

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 EXPOSU

RE.

===== 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 Procedures

: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.

===== 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.

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

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

Ventilation:LOCAL & MECHAN

ICAL(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 OR OBTAIN MEDICAL ATTENTION
IMMEDIATELY.

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

HCC:V4

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

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

nd 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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