

3M CENTER (MINNESOTA MINING & MFG CO) -- SCOTCHCAL BRAND SCREEN PRINTING INK 3905
-- 8010-00-943-3174

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

Product ID:SCOTCHCAL BRAND SCREEN PRINTING INK 3905

MSDS Date:06/20/1985

FSC:8010

NIIN:00-943-3174

MSDS Number: BJFQT

=== Responsible Party ===

Company Name:3M CENTER (MINNESOTA MINING & MFG CO)

Address:3M CTR 224-2S-25

City:ST. PAUL

State:MN

ZIP:55144-1000

Count

ry:US

Info Phone Num:612-733-1110

Emergency Phone Num:612-733-1110

CAGE:76381

=== Contractor Identification ===

Company Name:MINNESOTA MINING AND MFG CO, DBA 3M

Address:3M CENTER BLDG 224-5S-04

Box:City:SAINT PAUL

State:MN

ZIP:55144-1000

Country:US

Phone:866-556 5712 / 612-733-1110

CAGE:76381

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

Ingred Name:CYCLOHEXANONE (SARA III)

CAS:108-94-1

RTECS #:GW1050000

Fraction by Wt: 40.-50%.

Other REC Limits:NONE SPECIFIED

OSHA PEL

:S, 50 PPM
ACGIH TLV:S, 25 PPM; 9293
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ISOPHORONE (SARA III)
CAS:78-59-1
RTECS #:GW7700000
Fraction by Wt: 20.-30%.
Other REC Limits:NONE SPECIFIED
OSHA PEL:25 PPM
ACGIH TLV:C 5 PPM; 9293
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:AROMATIC HYDROCARBON (BOILING RANGE 370-495F)
Fraction by Wt: 1.-5%.
Other REC Limits:NONE SPECIFIED
OSHA PEL:NONE ESTABLISHED
ACGIH TLV:NONE ESTABLISHED

Ingred Name:CARBON BLACK
CAS:1333-86-4
RTECS #:FF
5800000
Fraction by Wt: 5.-10%.
Other REC Limits:NONE SPECIFIED
OSHA PEL:3.5 MG/M3
ACGIH TLV:3.5 MG/M3; 9192

Ingred Name:COPOLYMER RESIN
Fraction by Wt: 15.-25%.
Other REC Limits:NONE SPECIFIED
OSHA PEL:NONE ESTABLISHED
ACGIH TLV:NONE ESTABLISHED

Ingred Name:BARIUM
CAS:7440-39-3
RTECS #:CA8370000
Fraction by Wt: .0-.1%
Other REC Limits:NONE SPECIFIED
OSHA PEL:NONE ESTABLISHED
ACGIH TLV:NONE ESTABLISHED

Ingred Name:CADMIUM (SARA III)
CAS:7440-43-9
RTECS #:EU9800000
Fraction by Wt: .0-.1%
Othe

r REC Limits:NONE SPECIFIED
OSHA PEL:SEE 1910.1027
ACGIH TLV:0.01 MG/M3 DUST;9394
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:DI-SEC-OCTYL PHTHALATE (DI-2-ETHYLHEXYL-PHTHALATE) (SARA III)

CAS:117-81-7
RTECS #:TI0350000
Fraction by Wt: 2.0-10%.
Other REC Limits:NONE SPECIFIED
OSHA PEL:5 MG/M3/10 STEL
ACGIH TLV:5 MG/M3; 9192
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:
YES

Health Hazards Acute and Chronic:EYES:SEVERE IRRIT. SKIN:DIRECT CONTACT
MAY CAUSE DRYING, CRACKING & REDNESS. MAY ABSORB THRU SKIN.
INHALED:IRRIT NOSE, THROAT & RSPRTRY SYST. REPEATED EXP TO ELEVATED
LEVELS OF AIRBORNE VAPOR MAY CAUS E LIVER, KIDNEY & LUNG INJURY.
INGEST:IF ASPIRATION OF LIQ INTO LUNGS, MAY CAUSE CHEM PNEUMONITIS,
WHICH CAN BE FATAL.

Explanation of Carcinogenicity:DI-SEC-OCTYL PHTHALATE & ISOPHORONE HAVE
SHOWN INCREASED INCIDENCE OF CANCER IN LAB ANIM
ALS. SEE FILE FOR
MORE INFO.

Effects of Overexposure:EYES:IRRITATION. SKIN:IRRITATION, DRYING,
CRACKING & REDNESS. INHALED:IRRITATION OF NOSE, THROAT, RESPIRATORY
SYSTEM, NAUSEA, HEADACHE, DIZZINESS, FAINTNESS, INCOORDINATION,
INEBRIATION & FEELING OF S UFFICATION. INGESTION: SMALL QUANTITY OF
LIQUID CAN CAUSE IRRITATION OF GASTROINTESTINAL TRACT. SEE FILE FOR
MORE INFO.

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

First Aid:EYES: IMMEDIATELY FLU

SH WITH PLENTY OF WATER, FOR AT LEAST 10
MINS LIFTING LIDS. CALL A PHYSICIAN. SKIN: WASH WITH SOAP & WATER.
INHALED: REMOVE PERSON TO FRESH AIR. IF BREATHING DIFFICULT, GIVE
OXYGEN. IF BREATHING STOPPED, GIVE CPR. KEEP PERSON WARM & QUIET.
CALL A PHYSICIAN. & INGESTION: DO NOT INDUCE VOMITING. GIVE 1 TO 2
GLASSES OF WATER. CALL A PHYSICIAN.

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

Flash Point Method:CC
Flash Point:111 F/44 C
Lower Limits:0.8
Upper Limits:8.6
Extinguishing Media:CARBON DIOXIDE, FOAM OR DRY CHEMICALS
Fire Fighting Procedures:FIRE FIGHTERS SHOULD BE EQUIPPED WITH FULL
PROTECTIVE GEAR AND SELF CONTAINED BREATHING APPARATUS.
Unusual Fire/Explosion Hazard:COMBUSTIBLE LIQUID.

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

Spill Release Procedures:OBSERVE ALL PRECAUTIONS. EXTINGUISH ALL
IGNITION SOURCES. COLLECT SPILLED MATERIAL, CLEAN-UP RESIDUE &
PLACE IN DEPT. OF TRANSPORTATION APPROVED CONTAINER. USE ABSORBENT
MATERIAL AS NEEDED IN CLEAN-UP PROCEDURES.

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

Other Precautions:U.S. EPA HAZARDOUS WASTE NUMBER: D001 (IGNITABLE),
D005 (BARIUM), D006 (CADMIUM).

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

Respiratory Protection:USE ONLY IN WELL VENTILATED AREAS.
Ventilation:USE ONLY IN WELL VENTED AREAS W/AIR MOVEMENT TO MAINTAIN
AIRBORNE VAPOR CONCENTRATION AT SAFETY LEVELS.USE LOCAL
EXHAUST
Protective Gloves:AVOID PROLONGED/REPEATED CONTACT W/SKIN
Eye Protection:WEAR CHEMICAL EYE GOGGLES.
Other Protective Equipment:EYE WASH STATION & SAFETY SHOWER ARE
SUGGESTED AS GOOD WORKPLACE PRACTICE WHEN ACCIDENTAL EYE OR SKIN
CONTACT CAN OCCUR.
Supplemental Safety and Health
KEEP AWAY FROM HEAT & OPEN FLAME. KEEP CONTAINER CLOSED WHEN NOT IN
USE.

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

Boiling Pt:B.P. Text:212F,100C
Vapor Pres:1
Spec Gravity

:1.08 (WATER=1)

Viscosity:9000-15000CPS

Evaporation Rate & Reference: