

MATERIAL SAFETY DATA SHEET

FORSCH POLYMER CORPORATION
 3870 NIAGARA STREET
 DENVER, COLORADO 80207

IMPORTANT:BEFORE OPENING ANY
 FORSCH POLYMER PACKAGES, READ
 WARNING LABELS AND FOLLOW ALL
 PRECAUTIONS.

TELEPHONE NUMBER: (303) 322-9611
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SECTION 1

PRODUCT NUMBER: 40A
 LIQUID ACTIVATOR
 PRODUCT NAME: 40A
 LIQUID ACTIVATOR
 CHEMICAL TYPE:
 AROMATIC AMINE BLEND
 EMERGENCY NUMBER: 1-800-424-9300
 (Chemtrec)
 DATE OF REVISION: OCTOBER 1998

HAZARD RATING: (4) EXTREME (3) HIGH
 (2) MODERATE (1)
 SLIGHT (0) INSIGNIFICANT
 TOXICITY: 3 FIRE: 1 REACTIVITY: 0
 SPECIAL:

SECTION 2 HAZARDOUS
 COMPONENTS

C.A.S. (ACGIH)
 (OSHA) (ACGIH)
 NO. PERCENT TLV PEL
 STEL
 3 3
 DIETHYLTOLUENEDIAMINE
 68479-98-1 < 75.0 NOT
 ESTABLISHED

SUSPECTED CANCER
 AGENT:YES _____ NO _____X_____

SECTION 3 PHYSICAL DATA

BOILING POINT : 340 DEG F
 VAPOR DENSITY (AIR = 1) : >1
 SOLUBLE IN WATER : <0.03
 G/L
 SPECIFIC GRAVITY : >1
 % VOLATILE BY VOLUME : -
 EVAPORATION RATE : -
 APPEARANCE AND ODOR :
 BROWN-ODORLESS

SECTION 4 FIRE AND EXPLOSION
 HAZARD DATA

FLASH POINT: 275 DEG F METHOD:
 TCC LEL:
 U.E.L.: DOT:
 EXTINGUISHING MEDIA: FOAM, DRY
 CHEMICAL, CARBON DIOXIDE
 UNUSUAL FIRE AND EXPLOSION HAZARDS:
 TOXIC FUMES WILL BE EVOLVED WHEN
 THIS MATERIAL IS INVOLVED IN FIRE.

SPECIAL FIRE FIGHTING PROCEDURES:
 SELF-CONTAINED BREATHING APPARATUS
 SHOULD BE AVAILABLE AND USED. COOL
 FIRE-EXPOSED CONTAINERS WITH
 WATER.

SECTION 5 HEALTH HAZARD DATA

INHALATION: NOT EXPECTED TO BE A
 ROUTE OF EXPOSURE DUE TO LOW
 VOLATILITY OF DETDA AT ROOM
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TEMPERATURE, HOWEVER, MATERIAL
 MAY GIVE OFF SIGNIFICANT AMOUNTS OF
 VAPOR.
 EYE CONTACT: EXPECTED TO BE AN EYE
 IRRITANT.
 SKIN CONTACT: EXPECTED TO BE TOXIC
 BY DERMAL ABSORPTION.
 INGESTION: EXPECTED TO BE TOXIC.
 CHRONIC EFFECTS OF OVEREXPOSURE:
 A TWO YEAR FEEDING STUDY IN RATS
 SHOWED DETDA CAUSED EFFECTS IN THE
 PANCREAS, LIVER, THYROID AND EYES.
 AN INCREASE IN THE NUMBER OF
 TUMORS IN THE LIVER AND THYROID OF
 MALE RATS AND IN THE LIVER AND
 POSSIBLY MAMMARY GLAND OF FEMALE
 RATS WAS FOUND.
 OTHER HEALTH EFFECTS: IN RARE
 INSTANCES, SENSITIZATION TO CURATIVE
 HAS BEEN REPORTED TO OCCUR IN
 HUMANS.
 TOXICITY DATA: ORAL LD50 = 485mg/kg;
 DERMAL LD50 = 700 mg/kg

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SECTION 6 FIRST AID PROCEDURES
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EYE CONTACT: FLUSH WITH CLEAN,
LUKEWARM WATER (LOW PRESSURE)
FOR AT LEAST 15 MINUTES WHILE LIFTING
EYELIDS. REFER INDIVIDUAL TO
PHYSICIAN OR OPHTHALMOLOGIST FOR
IMMEDIATE FOLLOW-UP.
SKIN CONTACT: WASH THOROUGHLY
WITH WATER WHILE REMOVING
CONTAMINATED CLOTHING AND SHOES.
WASH CLOTHES BEFORE REUSE AND
DISCARD CONTAMINATED LEATHER
ARTICLES. SEEK MEDICAL ATTENTION IF
EFFECT SUCH AS SWELLING OR
REDDENING OCCURS.
INHALATION: MOVE TO FRESH AIR AND
ADMINISTER OXYGEN IF NECESSARY.
CONSULT PHYSICIAN IF EFFECT
PERSISTS.
INGESTION: GET MEDICAL ATTENTION
IMMEDIATELY. INDUCE VOMITING
IMMEDIATELY BY DEPRESSING BACK OF
TONGUE WITH A FINGER OR DRINKING
ONE OR MORE GLASSES OF SALT WATER.

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SECTION 7 REACTIVITY DATA
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STABILITY: STABLE
INCOMPATIBILITIES: AVOID BRINGING
INTO CONTACT WITH STRONG OXIDIZING
MATERIALS OR EPOXY RESINS UNDER
UNCONTROLLED CONDITIONS.
HAZARDOUS DECOMPOSITION: CO
(CARBON MONOXIDE)

CO (CARBON
DIOXIDE)
NO (OXIDES
OF NITROGEN)

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SECTION 8 SPILL OR LEAK
PROCEDURES
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ACTION TO BE TAKEN: AVOID CONTACT
WITH MATERIAL. ABSORB SPILL WITH
CLAY OR DIATOMACEOUS EARTH AND
SHOVEL INTO A DISPOSAL CONTAINER,
REMOVE ANY SURROUNDING
CONTAMINATED SOIL. WASH PAVED
AREAS WITH WATER, BEING CERTAIN
THAT THIS DILUTED MATERIAL IS NOT
FLUSHED INTO STORM DRAINS OR WATER
SUPPLIES. WEAR APPROPRIATE
PROTECTIVE EQUIPMENT. (SEE BELOW)
WASTE DISPOSAL METHOD: WASTE MUST
BE DISPOSED OF IN ACCORDANCE WITH
FEDERAL, STATE, AND LOCAL
ENVIRONMENTAL CONTROL
REGULATIONS.

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SECTION 9 SPECIAL PROTECTION
INFORMATION
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RESPIRATORY PROTECTION: NIOSH
APPROVED
RESPIRATORY PROTECTION REQUIRED IN
THE ABSENCE OF PROPER

ENVIRONMENTAL CONTROL. FOR
EMERGENCIES A SELF-CONTAINED
BREATHING APPARATUS, OR A FULL-FACE
RESPIRATOR IS RECOMMENDED.
VENTILATION: BREATHING OF VAPORS
MUST BE AVOIDED. VENTILATION MUST
BE SUFFICIENT TO CONTROL VAPORS.
THIS MATERIAL SHOULD BE CONFINED AS
FAR AS POSSIBLE WITHIN SEALED OR
COVERED EQUIPMENT IN WHICH CASE
NORMAL VENTILATION SHOULD BE
ADEQUATE. SPECIAL (LOCAL)
VENTILATION WILL BE NEEDED IN AREAS
WHERE VAPORS ARE EXPECTED TO BE
VENTED.
EYE PROTECTION: SPLASH PROOF
GOGGLE OR SAFETY GLASSES WITH SIDE
SHIELDS.
GLOVES: IMPERVIOUS GLOVES,
NEOPRENE OR RUBBER
OTHER: CLEAN, BODY-COVERING
CLOTHING. FURTHER SAFETY EQUIPMENT
(APRON, FOOTWEAR, ETC.) SHOULD BE
USED AS NECESSARY TO PREVENT
CONTACT WITH MATERIAL.

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SECTION 10 SPECIAL PRECAUTIONS
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- 1. PREVENT ALL SKIN AND EYE CONTACT
2. AVOID BREATHING VAPORS
3. RE-SEAL PARTLY USED CONTAINERS.
4. ENSURE THAT ALL CONTAINERS ARE
PROPERLY LABELED
TO PREVENT ACCIDENTAL INGESTION.
5. WASH WITH SOAP AND WATER BEFORE
EATING,
DRINKING,
SMOKING OR USING TOILET FACILITIES.

6. OBSERVE CONDITIONS OF GOOD
INDUSTRIAL HYGIENE
AND SAFE WORKING PRACTICE.

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DISCLAIMER

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=====INFORMATION PRESENTED
HEREIN HAS BEEN COMPILED FROM
INFORMATION PROVIDED TO US BY OUR
SUPPLIERS AND OTHER SOURCES
CONSIDERED TO BE DEPENDABLE AND IS
ACCURATE AND RELIABLE TO THE BEST
OF OUR KNOWLEDGE AND BELIEF BUT IS
NOT GUARANTEED TO BE SO. NOTHING
HEREIN IS TO BE CONSTRUED AS
RECOMMENDING ANY PRACTICE OR USE
OF ANY PRODUCT IN VIOLATION OF ANY
PATENT OR IN VIOLATION OF ANY LAW OR
REGULATION. IT IS THE USER'S
RESPONSIBILITY TO DETERMINE AND TO
ADOPT SUCH SAFETY PRECAUTIONS AS
MAY BE NECESSARY. WE MAKE NO
WARRANTY AS TO THE RESULTS TO BE
OBTAINED IN USING ANY MATERIAL AND,
SINCE CONDITIONS OF USE ARE NOT
UNDER CONTROL, WE MUST
NECESSARILY DISCLAIM ALL LIABILITY
WITH RESPECT TO USE OF ANY MATERIAL
SUPPLIED BY US.