

**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: 60A  
LIQUID ACTIVATOR  
PRODUCT NAME: 60A  
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
GOOGLE 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.