

M-1585-1

**BIOCHEMICAL RESEARCH DEPARTMENT**  
**TOXICOLOGY WORK SHEET**

Sample 1

FILE NO. 2.30-158-

M-1585 (Fumigone Emulsifiable)

ACCOUNT NO. 544-26

TIME CHARGE 9104

DATE OF REQ. 6/26/59

DATE OF REQ. \_\_\_\_\_

Heets move on it.

| DO | TEST                                                        | ANIMALS                             | NO. ANIMALS /DOSE | SOLVENT                           | DOSE                                                                | DONE                          |
|----|-------------------------------------------------------------|-------------------------------------|-------------------|-----------------------------------|---------------------------------------------------------------------|-------------------------------|
|    | ACUTE ORALS: ✓                                              | RATS ✓<br>CAVY<br>RABBITS<br>CHICKS | 25 animals/dose   | CORN OIL<br>WATER ✓<br>WT. OUT    | .063<br>.126 ✓<br>.252 ✓<br>.50 ✓<br>1.0 ✓<br>2.0 ✓<br>3.98<br>7.95 | ✓<br>✓<br>✓<br>✓<br>✓<br>7-20 |
|    | EYE CONTACT ✓                                               | RABBITS ✓                           |                   | PROPYLENE GLYCOL<br>WATER ✓       | 100%<br>10%<br>1%                                                   | ✓<br>✓<br>7-1                 |
|    | SKIN CONTACT: ✓                                             | RABBITS ✓                           |                   | DOWANOL PM<br>WATER ✓             | 100%<br>10%<br>1%                                                   | ✓<br>✓<br>7-20                |
|    | PATCH<br>TIME _____<br>CONCENTRATION _____                  | RABBITS                             |                   |                                   |                                                                     |                               |
|    | SKIN ABSORPTION: ✓                                          | RAT<br>RABBITS ✓                    | 25 animals/dose   | WATER ✓<br>CORN OIL<br>DOWANOL PM | .126<br>.252<br>.50<br>1.0<br>2.0<br>3.98                           | ✓<br>✓<br>7-20<br>✓<br>✓<br>✓ |
| ✓  | CUFF TECHNIQUE<br>CLIPPED BELLY                             | 24 HOURS<br>3 HOURS                 |                   |                                   |                                                                     |                               |
|    | ACUTE VAPOR:<br>ROOM TEMPERATURE _____ °C<br>SAT. _____ ppm | RATS                                |                   |                                   |                                                                     |                               |

OTHER:

~~(SEND 2ND. SHEET OUT)~~ 7-9-59

**READY TO IBM**

WKS 8/19/59 W.C.G.

**IBM® ED**

820 son. Ls

**1** **2** **3** **4** **5** **6** **7** **8** **9** **10** **11** **12** **13** **14** **15** **16** **17** **18** **19** **20** **21** **22** **23** **24** **25** **26** **27** **28** **29** **30** **31** **32** **33** **34** **35** **36** **37** **38** **39** **40** **41** **42** **43** **44** **45** **46** **47** **48** **49** **50** **51** **52** **53** **54** **55** **56** **57** **58** **59** **60** **61** **62** **63** **64** **65** **66** **67** **68** **69** **70** **71** **72** **73** **74** **75** **76** **77** **78** **79** **80** **81** **82** **83** **84** **85** **86** **87** **88** **89** **90** **91** **92** **93** **94** **95** **96** **97** **98** **99** **100** **101** **102** **103** **104** **105** **106** **107** **108** **109** **110** **111** **112** **113** **114** **115** **116** **117** **118** **119** **120** **121** **122** **123** **124** **125** **126** **127** **128** **129** **130** **131** **132** **133** **134** **135** **136** **137** **138** **139** **140** **141** **142** **143** **144** **145** **146** **147** **148** **149** **150** **151** **152** **153** **154** **155** **156** **157** **158** **159** **160** **161** **162** **163** **164** **165** **166** **167** **168** **169** **170** **171** **172** **173** **174** **175** **176** **177** **178** **179** **180** **181** **182** **183** **184** **185** **186** **187** **188** **189** **190** **191** **192** **193** **194** **195** **196** **197** **198** **199** **200** **201** **202** **203** **204** **205** **206** **207** **208** **209** **210** **211** **212** **213** **214** **215** **216** **217** **218** **219** **220** **221** **222** **223** **224** **225** **226** **227** **228** **229** **230** **231** **232** **233** **234** **235** **236** **237** **238** **239** **240** **241** **242** **243** **244** **245** **246** **247** **248** **249** **250** **251** **252** **253** **254** **255** **256** **257** **258** **259** **260** **261** **262** **263** **264** **265** **266** **267** **268** **269** **270** **271** **272** **273** **274** **275** **276** **277** **278** **279** **280** **281** **282** **283** **284** **285** **286** **287** **288** **289** **290** **291** **292** **293** **294** **295** **296** **297** **298** **299** **300** **301** **302** **303** **304** **305** **306** **307** **308** **309** **310** **311** **312** **313** **314** **315** **316** **317** **318** **319** **320** **321** **322** **323** **324** **325** **326** **327** **328** **329** **330** **331** **332** **333** **334** **335** **336** **337** **338** **339** **340** **341** **342** **343** **344** **345** **346** **347** **348** **349** **350** **351** **352** **353** **354** **355** **356** **357** **358** **359** **360** **361** **362** **363** **364** **365** **366** **367** **368** **369** **370** **371** **372** **373** **374** **375** **376** **377** **378** **379** **380** **381** **382** **383** **384** **385** **386** **387** **388** **389** **390** **391** **392** **393** **394** **395** **396** **397** **398** **399** **400** **401** **402** **403** **404** **405** **406** **407** **408** **409** **410** **411** **412** **413** **414** **415** **416** **417** **418** **419** **420** **421** **422** **423** **424** **425** **426** **427** **428** **429** **430** **431** **432** **433** **434** **435** **436** **437** **438** **439** **440** **441** **442** **443** **444** **445** **446** **447** **448** **449** **450** **451** **452** **453** **454** **455** **456** **457** **458** **459** **460** **461** **462** **463** **464** **465** **466** **467**

/ /

FORM C-2690 PRINTED IN U.S.A. 87-56

DO 130195  
CONFIDENTIAL

**THE DOW CHEMICAL COMPANY**

**REQUEST FOR SCREENING OR APPLICATION TESTING** DATE: 6-26-59

|                             |                                     |                         |                                    |                   |      |
|-----------------------------|-------------------------------------|-------------------------|------------------------------------|-------------------|------|
| K-NUMBER<br><u>Sample 1</u> | B. C. FILE NO.<br><u>2.30-15841</u> | R. NO.<br><u>M-1585</u> | OTHER CODE NO.<br><u>UT-1367-2</u> | MOLECULAR FORMULA | M.W. |
| NAME (GRI APPROVED)         |                                     |                         |                                    |                   |      |

STRUCTURAL FORMULA (OR GIVE CONSTITUENTS OF MIXTURES AND POLYMERS)

SUBMITTED BY:  
R. C. Belcher 64420

SOURCE CHEMIST (IF OTHER THAN SUBMITTER)

LAB. NAME AND LAB. REFERENCE

PREPARATION DATE

SOURCE OUTSIDE OF DOW

REPORT RESULTS TO:

FIRST LITERATURE REFERENCE

PATENT NUMBER

CASE NUMBER

DISCLOSURE NUMBER

STOCK ON HAND

ESTIMATED MFG. COST

LB. @

LB./YR

AMOUNT SENT TO:

MIDLAND BIO & AG  
CHEM.

SEAL BEACH

LAKE JACKSON

INFRA-RED

OTHERS (NAME, SUCH AS ORGANIC PROD. DEVELOP., AROMATICS, T. & D. GIVE LOCATION)

| PHYSICAL PROPERTIES<br>BEST KNOWN<br>THIS SAMPLE                                         | MELTING POINT                        | BOILING POINT                                 | DENSITY                                     | FLASH POINT                | FIRE POINT                 | EST. PURITY                | SOLUBILITY AT ROOM TEMPERATURE<br>(DETERMINE WHERE POSSIBLE OTHERWISE ESTIMATE) |       |        |      |  |
|------------------------------------------------------------------------------------------|--------------------------------------|-----------------------------------------------|---------------------------------------------|----------------------------|----------------------------|----------------------------|---------------------------------------------------------------------------------|-------|--------|------|--|
|                                                                                          | °C                                   | AT                                            | MM                                          |                            |                            |                            | <1%                                                                             | 1-10% | 10-25% | >25% |  |
| APPEARANCE, PHYSICAL STATE, COLOR                                                        | R.I.                                 |                                               | STABILITY (TO pH CHANGE, HEAT, LIGHT, ETC.) |                            |                            | VISCOSITY                  | ACETONE                                                                         |       |        |      |  |
| MELTING POINT                                                                            | BOILING POINT                        | DENSITY                                       | FLASH POINT                                 | FIRE POINT                 | EST. PURITY                |                            | ETHANOL, 95%                                                                    |       |        |      |  |
| °C                                                                                       | AT                                   | MM                                            |                                             |                            |                            |                            | GASOLINE, REG.                                                                  |       |        |      |  |
| APPEARANCE, PHYSICAL STATE, COLOR                                                        | R.I.                                 |                                               | STABILITY (TO pH CHANGE, HEAT, LIGHT, ETC.) |                            |                            | VISCOSITY                  | KEROSENE                                                                        |       |        |      |  |
| °C                                                                                       | AT                                   | MM                                            |                                             |                            |                            |                            | NaOH, 1%                                                                        |       |        |      |  |
| PRODUCT STATE                                                                            |                                      |                                               | (CHEMICAL STAGE SYSTEM CHECK ONE)           |                            |                            | S. S. R. NO.               | OIL, S. A. E. NEUTRAL                                                           |       |        |      |  |
| <input type="checkbox"/> EXPLORATORY<br>RESEARCH                                         | <input type="checkbox"/> DEVELOPMENT | <input type="checkbox"/> TECHNICAL<br>SERVICE | <input type="checkbox"/> 1                  | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | WATER                                                                           |       |        |      |  |
| SPECIAL PROPERTIES: CHEMICAL REACTIVITY, TOXIC EFFECTS (SUSPECTED OR EXPERIENCED) OTHERS |                                      |                                               |                                             |                            |                            |                            | XYLENE                                                                          |       |        |      |  |

TESTS REQUESTED

☐ AGRICULTURAL  
GENERAL SCREENING

☐ BIOCHEMICAL  
GENERAL SCREENING

☐ OTHERS

NAME: (LUBE OR PLASTICS ADDITIVES, SURFACTANT, PHARMACEUTICALS  
BE AS SPECIFIC AS POSSIBLE)

SPECIFIC TESTS:

1. Range finding toxicology test for handling
2. 8 oz
3. Rush, may be released to sales soon
- 4.
5. E. Luty, Ag Chem Sales midland + F. Fletcher, Ag Chem Dev. ARB
- 6.

☒ TOXICOLOGY TESTS (SEE REVERSE. ATTACH ANOTHER PAGE FOR OTHER INFORMATION IF SPACE ABOVE IS NOT SUFFICIENT)

PROCESS:

DO 130196  
CONFIDENTIAL