



Refining, North America

Conoco Inc.  
P.O. Box 37  
Westlake, LA 70669  
(318) 491-5211

September 28, 1990

Louisiana Emergency Response Commission  
Office Of State Police  
Hazardous Substance Control Section  
Right-To-Know Unit  
P. O. Box 66614  
Baton Rouge, LA 70896

SUBMITTAL OF MSDS UPDATES - THIRD QUARTER 1990

Dear Sir:

Enclosed you will find Material Safety Data Sheet Updates for the third quarter of 1990, for the Conoco Refinery, Westlake, Louisiana. This information is being provided to you in accordance with the update requirements of Section 311 of Community Right-To-Know Act.

If you have any questions concerning this submittal, please contact Dave Tinker at 318-491-5543.

Sincerely,

*PF Moustad*  
\_\_\_\_\_  
FOK D. R. Unruh  
Plant Manager  
Lake Charles Refinery

am

att

cc w/o att: W. O. Lukens (Conoco)  
P. B. Butler (Conoco)  
D. L. Tinker (Conoco) ✓

DLT: MSDS.DOC

SAL 000009769



Refining, North America

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P.O. Box 37  
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(318) 491-5211

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Fire Chief  
Westlake Fire Department  
2401 Guillory Street  
Westlake, LA 70669

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FOR D. R. Unruh  
Plant Manager  
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SAL 000009770



Refining, North America

Conoco Inc.  
P.O. Box 37  
Westlake, LA 70669  
(318) 491-5211

September 28, 1990

Mr. Samuel H. Russell  
Calcasieu Parish Local Emergency Planning Committee  
P. O. Box 1391  
Lake Charles, LA 70602-1391

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DU PONT  
Material Safety Data Sheet

Page 1

MATERIAL IDENTIFICATION

DUPONT CORROSION INHIBITOR NO. 6

GS 142

MSDS NUMBER : DU000226

Revision Date : 04-Nov-90

Date Printed : 09-Nov-90

MANUFACTURER/DISTRIBUTOR

Du Pont  
1007 Market Street  
Wilmington, DE 19898

PHONE NUMBERS

PRODUCT INFORMATION : 1-(800)441-7515

TRANSPORT EMERGENCY : 1-(800)424-9300

MEDICAL EMERGENCY : 1-(800)441-3637

CHEMICAL FAMILY : ORGANIC ACIDS

TRADE NAMES / SYNONYMS  
DCI-6

DU PONT REGISTRY NUMBER: DP19-81-2

TSCA INVENTORY STATUS : Reported/Included

NPCA-HMIS RATINGS : Health: 2 Flammability: 3 Reactivity: 0  
Personal Protection rating to be supplied by  
user depending on use conditions.

COMPONENTS

| Material                                     | CAS Number | %       |
|----------------------------------------------|------------|---------|
| NJ TRADE SECRET REGISTRY #00850201001-5001 P |            | 60-70   |
| NJ TRADE SECRET REGISTRY #00850201001-5003 P |            | 10-20   |
| *XYLENE                                      | 1330-20-7  | 20-30   |
| *ETHYLBENZENE                                | 100-41-4   | 0-5     |
| BENZENE                                      | 71-43-2    | <0.0212 |

- \* Regulated as a toxic chemical under section 313 of  
Title III of the Superfund Amendments and Reauthorization  
Act of 1986 and 40 CFR part 372.

PHYSICAL DATA

Boiling Point : IBP 138 deg C (280 deg F) at 760 mm Hg.  
Vapor Pressure : 10 mm Hg at 24 deg C  
Water Solubility : < 0.02% wt.  
Odor : Aromatic hydrocarbon  
Form : Liquid  
Color : Dark Amber  
Specific Gravity : 0.95 at 16 deg C (60 deg F)

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HAZARDOUS REACTIVITY

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Instability : Stable.  
Incompatibility : None reasonably foreseeable.  
Decomposition : Decomposition will not occur.  
Polymerization : Polymerization will not occur.

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FIRE AND EXPLOSION DATA

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Flash Point : 31 deg C (88 deg F)  
Method : PMCC

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FIRE AND EXPLOSION HAZARDS

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Flammable liquid.

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EXTINGUISHING MEDIA

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Water Spray. Foam. Dry Chemical. CO2.

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SPECIAL FIRE FIGHTING INSTRUCTIONS

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Evacuate personnel to a safe area. Wear self-contained breathing apparatus.

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HEALTH HAZARD INFORMATION

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ANIMAL DATA:

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## DU PONT CORROSION INHIBITOR NO. 6:

Skin Absorption ALD: >7,500 mg/kg in rabbits  
Oral LD50: 8,314 mg/kg in rats  
DOT Skin Corrosivity Test: Not Corrosive

## XYLENE:

Inhalation 4 hr. LC50: 6,700 ppm in rats  
Skin Absorption LD50: 4,320 mg/kg in rabbits  
Oral ALD: 4,500 mg/kg in rats

The product is an eye irritant, and possibly a severe skin irritant in animals. Toxicity described in animals from exposure to xylene by inhalation include upper respiratory irritation; central nervous system and behavioral effects; decreased weight gain; hearing loss; and effects on the liver, kidneys, heart, spleen, lungs, bone marrow, and blood. Central nervous system effects; decreased body weights; and liver effects were seen in animals exposed to xylene by ingestion. Tests of xylene in animals demonstrate no carcinogenic activity. Xylene does not produce heritable genetic damage in animals or genetic damage in bacterial or mammalian cell cultures. Although abnormal sperm were

## (HEALTH HAZARD INFORMATION - Continued)

observed after an interperitoneal injection in rats, xylene did not produce reproductive effects. Developmental toxicity was observed in animals exposed to xylene but only at concentrations that were maternally toxicity.

## HUMAN HEALTH EFFECTS OF OVEREXPOSURE:

Eye contact with the product may cause eye irritation with discomfort, tearing, or blurring of vision. Skin contact may cause skin irritation with discomfort or rash. Xylene can be absorbed through the skin in toxic amounts. Overexposure to xylene by inhalation may cause nonspecific discomfort, such as nausea, headache, or weakness; and temporary nervous system depression with dizziness, headache, confusion, incoordination, and loss of consciousness. Higher exposures may lead to cardiac stress; anemia and other blood changes; respiratory effects; possible liver and kidney damage; or fatality from gross overexposure. Ingestion may cause gastrointestinal irritation; nonspecific discomfort, such as nausea, headache, or weakness; liver effects and temporary nervous system depression.

Individuals with preexisting diseases of the central nervous system, kidneys, liver, cardiovascular system, lungs, or bone marrow may have increased susceptibility to the toxicity of excessive exposures to xylene.

CARCINOGENICITY

The following components are listed by IARC, NTP, OSHA, or ACGIH as carcinogens. A 'P' indicates a Proposed Carcinogen.

Material  
BENZENE

| <u>IARC</u> | <u>NTP</u> | <u>OSHA</u> | <u>ACGIH</u> |
|-------------|------------|-------------|--------------|
| X           | X          | X           | X            |

Du Pont controls the following materials as potential carcinogens :  
BENZENE.

# APPLICABLE EXPOSURE LIMITS  
XYLENE

|       |            |                                 |
|-------|------------|---------------------------------|
| AEL * | (Du Pont): | 100 ppm - 8 Hr. TWA             |
|       |            | 150 ppm - 15 Min. TWA           |
| TLV   | (ACGIH)    | : 100 ppm, 434 mg/m3 - 8 Hr TWA |
|       |            | STEL 150 ppm, 651 mg/m3         |
| PEL   | (OSHA)     | : 100 ppm, 435 mg/m3 - 8 Hr TWA |
|       |            | STEL 150 ppm, 655 mg/m3         |

## (HEALTH HAZARD INFORMATION - Continued)

## ETHYLBENZENE

AEL \* (Du Pont): None Established  
TLV (ACGIH) : 100 ppm, 434 mg/m3 - 8 Hr TWA  
STEL 125 ppm, 543 mg/m3  
PEL (OSHA) : 100 ppm, 435 mg/m3 - 8 Hr TWA  
STEL 125 ppm, 545 mg/m3

## BENZENE

AEL \* (Du Pont): 1 ppm - 8 & 12 Hr. TWA  
5 ppm - 15 Min. TWA

TLV (ACGIH) : 10 ppm, A2; 32 mg/m3, A2 - 8 Hr TWA  
See Notice of Intended Changes (1990-91)  
0.1 ppm, 0.3 mg/m3 - 8 hr TWA, A1

PEL (OSHA) : 1 ppm - 8 Hr. TWA  
5 ppm - (Short term exposure limit)  
0.5 ppm - Action level

\* AEL is Du Pont's Acceptable Exposure Limit.

## SAFETY PRECAUTIONS

Avoid breathing vapors or mist. Avoid contact with eyes, skin, or clothing. Wash thoroughly after handling.

## FIRST AID

## INHALATION

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

## SKIN CONTACT

Flush skin with water after contact. Wash contaminated clothing before reuse.

**EYE CONTACT**

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

## INGESTION

First Aid:  
If swallowed, do not induce vomiting. Immediately give two glasses of water. Never give anything by mouth to an unconscious person. Call a physician.

**NOTES TO PHYSICIAN**

Activated charcoal slurry may be administered.  
To prepare activated charcoal slurry, suspend 50 grams activated charcoal in 400mL water and mix thoroughly. Administer 5mL/kg, or 350mL for an average adult.

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**PROTECTION INFORMATION**

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**GENERALLY APPLICABLE CONTROL MEASURES AND PROCEDURES**

Use only with adequate ventilation. Keep away from heat, sparks and flames. Keep container tightly closed.

**PERSONAL PROTECTIVE EQUIPMENT****EYE/FACE PROTECTION**

Wear safety glasses or coverall chemical splash goggles.

**RESPIRATORS**

Where there is potential for airborne exposures in excess of applicable limits, wear NIOSH/MSHA approved respiratory protection.

**PROTECTIVE CLOTHING**

Where there is potential for skin contact have available and wear as appropriate, impervious gloves, apron, pants, and jackets.

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**DISPOSAL INFORMATION**

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**AQUATIC TOXICITY****Xylene**

96 hour LC50, fathead minnows: 27-42 mg/L

**SPILL, LEAK, OR RELEASE**

NOTE: Review FIRE AND EXPLOSION HAZARDS and SAFETY PRECAUTIONS before proceeding with clean up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean up.

Soak up with sawdust, sand, oil dry or other absorbent material. Superfund reportable discharge = 1000 lbs.

This material is an ICR (ignitable, corrosive, reactive) substance under CERCLA. Unless released material is immediately cleaned up for reprocessing, recycling, or reuse, a release of 100 lbs. may trigger the reporting requirements of CERCLA Section 103.

**WASTE DISPOSAL**

Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.

This material may be a RCRA regulated hazardous waste upon disposal due to the ignitability characteristic.

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SHIPPING INFORMATION  
-----DOT

Proper Shipping Name : XYLENE SOLUTION  
Hazard Class : FLAMMABLE LIQUID  
UN/NA No. : 1307  
DOT Labels(s) : FLAMMABLE LIQUID

DOT/IMO

Proper Shipping Name : XYLENE SOLUTION  
Hazard Class : FLAMMABLE LIQUID, 3.3  
UN No. : 1307  
DOT/IMO Label : FLAMMABLE LIQUID  
Special Information: PAGE 3158

Shipping Containers  
Steel Drums - DOT 17E

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STORAGE CONDITIONS  
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Store in well ventilated area. Keep container tightly closed. Store in accordance with National Fire Protection Assn regulations.

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TITLE III HAZARD CLASSIFICATIONS  
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Acute : Yes  
Chronic : Yes  
Fire : Yes  
Reactivity : No  
Pressure : No

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ADDITIONAL INFORMATION AND REFERENCES  
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This product contains trace quantities (<210ppm) of benzene, a chemical known to the State of California to cause cancer.

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The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

MSDS No. DU000226

DU PONT  
Material Safety Data Sheet

**GS 142**

Page 7

(END OF MSDS - Continued)

Responsibility for MSDS : R. V. DAUM  
Chemicals & Pigments  
Wilmington, DE 19898  
800-441-9442

# Indicates updated section.

End of MSDS

SAL 000009778