



# Safety Data Sheet

Material Name: D-703

Recommended Use: Emulsion Breaker

## \*\*\* Section 1 - Product and Company Identification \*\*\*

### Manufacturer Information

Chem Tech Services, Inc.  
1935 West Ave.  
Levelland, TX 79336

Phone: 806-894-8172  
Emergency # 800-424-9300 Chemtrec

## \*\*\* Section 2 - Hazards Identification \*\*\*

### GHS Classification:

Flammable Liquid - Category 3  
Acute Toxicity - Oral Category 4  
Acute Toxicity - Dermal Category 4  
Acute Toxicity - Inhalation Category 4  
Skin Corrosion/Irritation - Category 2  
Eye Damage/Irritation - Category 1  
Carcinogenicity - Category 2  
Specific Target Organ Toxicity - Single Exposure Category 2  
Hazardous to the Aquatic Environment - Acute Category 1  
Hazardous to the Aquatic Environment - Chronic Category 2

### GHS LABEL ELEMENTS

#### Symbol(s)



#### Signal Word

Danger

#### Hazard Statements

Flammable liquid and vapor  
Harmful if swallowed, in contact with skin or inhaled.  
Causes skin irritation.  
Causes serious eye damage.  
Suspected of causing cancer.  
May cause damage to organs (lungs, skin, eyes).  
Very toxic to aquatic life with long lasting effects.

#### Precautionary Statements

##### Prevention

Keep away from heat/sparks/open flames/hot surface. - No smoking.  
Ground/Bond container and receiving equipment.  
Use explosion-proof electrical/ventilating/lighting equipment.  
Use only non-sparking tools.

# Safety Data Sheet

**Material Name: D-703**

Take precautionary measures against static discharge.  
Wash thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Do not breathe dusts or mists.  
Use only outdoors or in a well-ventilated area.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Avoid release to the environment.

## Response

If swallowed: Rinse mouth. Do NOT induce vomiting.  
If on skin (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.  
If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.  
In case of fire: Use water fog, foam, dry chemical, or carbon dioxide.  
Collect spillage.

## Storage

Store in a well-ventilated place. Keep container tightly closed.

## Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

## \* \* \* Section 3 - Composition / Information on Ingredients \* \* \*

CAS #	Component	Percent
1330-20-7	Xylenes (o-, m-, p- isomers)	78.8
27176-87-0	Proprietary Component 1	4.24
64741-68-0	Proprietary Component 2	4.24
64742-95-6	Proprietary Component 3	4.24
67-63-0	Proprietary Component 4	4.24
91-20-3	Proprietary Component 5	4.24

## \* \* \* Section 4 - First Aid Measures \* \* \*

### First Aid: Eyes

In case of eye contact, remove contact lenses and immediately rinse with clean water for 20 to 30 minutes.  
Retract both eyelids often. Obtain emergency medical attention.

### First Aid: Skin

Immediately remove contaminated clothing. Wash skin thoroughly with mild soap and water. Flush with lukewarm water for 15 minutes. If sticky, use waterless cleaner first. Obtain emergency medical attention.

### First Aid: Ingestion

If large quantity swallowed, give lukewarm water (pint) if victim is completely conscious and alert. Do not induce vomiting, as risk of damage to lungs exceeds poisoning risk. Obtain emergency medical attention. Gastric lavage recommended.

# Safety Data Sheet

Material Name: D-703

## First Aid: Inhalation

Remove the affected individual to fresh air and keep the person calm. Assist in breathing, if necessary. Immediate medical attention required.

## \* \* \* Section 5 - Fire Fighting Measures \* \* \*

### General Fire Hazards

See Section 9 for Flammability Properties.

Releases vapors at normal ambient temperatures. When mixed with air and exposed to ignition source, vapors can burn in open or explode if confined. Flammable vapors may be heavier than air. May travel long distances along the ground before igniting or flashing back to vapor source.

### Hazardous Combustion Products

Incomplete combustion may release poisonous carbon monoxide and oxides and/or compounds of nitrogen and sulfur.

### Extinguishing Media

Use Dry Chemical, Carbon Dioxide (CO<sub>2</sub>), Water Spray, or Water Fog.

### Unsuitable Extinguishing Media

None

### Fire Fighting Equipment/Instructions

Firefighters should wear full protective gear.

## \* \* \* Section 6 - Accidental Release Measures \* \* \*

### Recovery and Neutralization

Stop the flow of material, if this is without risk.

### Materials and Methods for Clean-Up

SMALL SPILL:- Absorb liquid on paper, vermiculite, floor absorbent, or other absorbent material, and transfer to hood. LARGE SPILL:- Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks).

Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, dike area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers.

### Emergency Measures

Isolate area. Keep unnecessary personnel away.

### Personal Precautions and Protective Equipment

Wear appropriate protective equipment and clothing during clean-up.

### Environmental Precautions

Prevent run-off into sewers, streams or other bodies of water.

### Prevention of Secondary Hazards

None

## \* \* \* Section 7 - Handling and Storage \* \* \*

### Handling Procedures

Avoid contact with skin and eyes. Do not breathe dust, vapor, mist or gas. Wash thoroughly after handling.

# Safety Data Sheet

**Material Name: D-703**

## Storage Procedures

Keep container closed when not in use. Store in tightly closed containers in cool, dry, isolated and well-ventilated area away from heat, sources of ignition and incompatible materials. Use non-sparking tools and explosion proof equipment. Ground lines, containers, and other equipment used during product transfer to reduce the possibility of a static induced spark. Do not "switch" load (load into containers which previously contained gasoline or other low flash material) because of possible accumulation of a static charge resulting in a source of ignition.

## Incompatibilities

Strong Oxidizing agents, such as Hydrogen Peroxide, Bromine, Chromic Acid and Permanganate. Strong Alkalies. Strong Acids. Halogens.

<b>*** Section 8 - Exposure Controls / Personal Protection ***</b>
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## Component Exposure Limits

### Xylenes (o-, m-, p- isomers) (1330-20-7)

ACGIH: 100 ppm TWA  
150 ppm STEL  
OSHA: 100 ppm TWA; 435 mg/m<sup>3</sup> TWA

### Proprietary Component 4 (Trade Secret)

ACGIH: 200 ppm TWA  
400 ppm STEL  
OSHA: 400 ppm TWA; 980 mg/m<sup>3</sup> TWA  
NIOSH: 400 ppm TWA; 980 mg/m<sup>3</sup> TWA  
500 ppm STEL; 1225 mg/m<sup>3</sup> STEL

### Proprietary Component 5 (Trade Secret)

ACGIH: 10 ppm TWA  
15 ppm STEL  
Skin - potential significant contribution to overall exposure by the cutaneous route  
OSHA: 10 ppm TWA; 50 mg/m<sup>3</sup> TWA  
NIOSH: 10 ppm TWA; 50 mg/m<sup>3</sup> TWA  
15 ppm STEL; 75 mg/m<sup>3</sup> STEL

## Engineering Measures

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

## Personal Protective Equipment: Respiratory

If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

## Personal Protective Equipment: Hands

Use impervious gloves.

## Personal Protective Equipment: Eyes

Wear safety glasses.

## Personal Protective Equipment: Skin and Body

Normal work clothing (long sleeved shirts and long pants) is recommended.

# Safety Data Sheet

Material Name: D-703

## \*\*\* Section 9 - Physical & Chemical Properties \*\*\*

<b>Appearance:</b>	Clear, light to medium brown	<b>Odor:</b>	Hydrocarbon
<b>Physical State:</b>	Liquid	<b>pH:</b>	ND
<b>Vapor Pressure:</b>	ND	<b>Vapor Density:</b>	ND
<b>Boiling Point:</b>	>200°F	<b>Melting Point:</b>	ND
<b>Solubility (H2O):</b>	Dispersible	<b>Specific Gravity:</b>	0.933
<b>Evaporation Rate:</b>	ND	<b>VOC:</b>	ND
<b>Octanol/H2O Coeff.:</b>	ND	<b>Flash Point:</b>	>92°F
<b>Flash Point Method:</b>	ND	<b>Upper Flammability Limit (UFL):</b>	ND
<b>Lower Flammability Limit (LFL):</b>	ND	<b>Burning Rate:</b>	ND
<b>Auto Ignition:</b>	ND		

## \*\*\* Section 10 - Chemical Stability & Reactivity Information \*\*\*

### Chemical Stability

This is a stable material.

### Hazardous Reaction Potential

Will not occur.

### Conditions to Avoid

Heat, sparks, open flames, and very elevated temperatures.

### Incompatible Products

Strong Oxidizing agents, such as Hydrogen Peroxide, Bromine, Chromic Acid and Permanganate. Strong Alkalies. Strong Acids. Halogens.

### Hazardous Decomposition Products

Incomplete combustion may release poisonous carbon monoxide and oxides and/or compounds of nitrogen and sulfur.

## \*\*\* Section 11 - Toxicological Information \*\*\*

### Acute Toxicity

#### Component Analysis - LD50/LC50

##### Xylenes (o-, m-, p- isomers) (1330-20-7)

Inhalation LC50 Rat 5000 ppm 4 h; Inhalation LC50 Rat 47635 mg/L 4 h; Oral LD50 Rat 4300 mg/kg; Dermal LD50 Rabbit >1700 mg/kg

##### Proprietary Component 1 (Trade Secret)

Oral LD50 Rat 500 mg/kg

##### Proprietary Component 2 (Trade Secret)

Inhalation LC50 Rat >5.04 mg/L 4 h; Oral LD50 Rat 4800 mg/kg; Dermal LD50 Rabbit >2000 mg/kg

##### Proprietary Component 3 (Trade Secret)

# Safety Data Sheet

## Material Name: D-703

Inhalation LC50 Rat >5.2 mg/L 4 h; Inhalation LC50 Rat 3400 ppm 4 h; Oral LD50 Rat 8400 mg/kg; Dermal LD50 Rabbit >2000 mg/kg

### Proprietary Component 4 (Trade Secret)

Inhalation LC50 Rat 72.6 mg/L 4 h; Oral LD50 Rat 4396 mg/kg; Dermal LD50 Rat 12800 mg/kg; Dermal LD50 Rabbit 12870 mg/kg

### Proprietary Component 5 (Trade Secret)

Inhalation LC50 Rat >340 mg/m<sup>3</sup> 1 h; Oral LD50 Rat 490 mg/kg; Dermal LD50 Rat >2500 mg/kg; Dermal LD50 Rabbit >20 g/kg

## Potential Health Effects: Skin Corrosion Property/Stimulativeness

Causes severe skin burns.

## Potential Health Effects: Eye Critical Damage/ Stimulativeness

Causes serious eye damage.

## Potential Health Effects: Ingestion

Harmful if swallowed.

## Potential Health Effects: Inhalation

May cause respiratory tract irritation.

## Respiratory Organs Sensitization/Skin Sensitization

This product is not reported to have any sensitization effects.

## Generative Cell Mutagenicity

This product is not reported to have any mutagenic effects.

## Carcinogenicity

### A: General Product Information

Suspected of causing cancer.

### B: Component Carcinogenicity

#### Xylenes (o-, m-, p- isomers) (1330-20-7)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

IARC: Monograph 71 [1999]; Monograph 47 [1989] (Group 3 (not classifiable))

#### Proprietary Component 4 (Trade Secret)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

IARC: Monograph 71 [1999]; Supplement 7 [1987]; Monograph 15 [1977] (Group 3 (not classifiable))

#### Proprietary Component 5 (Trade Secret)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

NTP: Reasonably Anticipated To Be A Human Carcinogen (Possible Select Carcinogen)

IARC: Monograph 82 [2002] (Group 2B (possibly carcinogenic to humans))

## Reproductive Toxicity

This product is not reported to have any reproductive effects.

## Specified Target Organ General Toxicity: Single Exposure

May cause damage to organs (lungs, skin or eyes).

# Safety Data Sheet

Material Name: D-703

## Specified Target Organ General Toxicity: Repeated Exposure

This product is not reported to have any repeat exposure specific target organ toxicity effects.

## Aspiration Respiratory Organs Hazard

This product is not reported to have any aspiration hazard effects.

### \*\*\* Section 12 - Ecological Information \*\*\*

#### Ecotoxicity

##### A: General Product Information

Very toxic to the aquatic life with long lasting effects.

##### B: Component Analysis - Ecotoxicity - Aquatic Toxicity

###### Xylenes (o-, m-, p- isomers) (1330-20-7)

###### Test & Species

###### Conditions

96 Hr LC50 Pimephales promelas	13.4 mg/L [flow-through]
96 Hr LC50 Oncorhynchus mykiss	2.661-4.093 mg/L [static]
96 Hr LC50 Oncorhynchus mykiss	13.5-17.3 mg/L
96 Hr LC50 Lepomis macrochirus	13.1-16.5 mg/L [flow-through]
96 Hr LC50 Lepomis macrochirus	19 mg/L
96 Hr LC50 Lepomis macrochirus	7.711-9.591 mg/L [static]
96 Hr LC50 Pimephales promelas	23.53-29.97 mg/L [static]
96 Hr LC50 Cyprinus carpio	780 mg/L [semi-static]
96 Hr LC50 Cyprinus carpio	>780 mg/L
96 Hr LC50 Poecilia reticulata	30.26-40.75 mg/L [static]
48 Hr EC50 water flea	3.82 mg/L
48 Hr LC50 Gammarus lacustris	0.6 mg/L

###### Proprietary Component 1 (Trade Secret)

###### Test & Species

###### Conditions

96 Hr LC50 Oncorhynchus mykiss	10.8 mg/L [static]
96 Hr LC50 Brachydanio rerio	3.5 - 10 mg/L [static]
96 Hr EC50 Pseudokirchneriella subcapitata	29 mg/L
48 Hr EC50 Daphnia magna	5.88 mg/L

###### Proprietary Component 2 (Trade Secret)

###### Test & Species

###### Conditions

72 Hr EC50 Pseudokirchneriella subcapitata	11 mg/L
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###### Proprietary Component 3 (Trade Secret)

###### Test & Species

###### Conditions

96 Hr LC50 Oncorhynchus mykiss	9.22 mg/L
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# Safety Data Sheet

**Material Name: D-703**

48 Hr EC50 Daphnia magna 6.14 mg/L

## Proprietary Component 4 (Trade Secret)

### Test & Species

### Conditions

96 Hr LC50 Pimephales promelas	9640 mg/L [flow-through]
96 Hr LC50 Pimephales promelas	11130 mg/L [static]
96 Hr LC50 Lepomis macrochirus	>1400000 µg/L
96 Hr EC50 Desmodesmus subspicatus	>1000 mg/L
72 Hr EC50 Desmodesmus subspicatus	>1000 mg/L
48 Hr EC50 Daphnia magna	13299 mg/L

## Proprietary Component 5 (Trade Secret)

### Test & Species

### Conditions

96 Hr LC50 Pimephales promelas	5.74-6.44 mg/L [flow-through]
96 Hr LC50 Oncorhynchus mykiss	1.6 mg/L [flow-through]
96 Hr LC50 Oncorhynchus mykiss	0.91-2.82 mg/L [static]
96 Hr LC50 Pimephales promelas	1.99 mg/L [static]
96 Hr LC50 Lepomis macrochirus	31.0265 mg/L [static]
72 Hr EC50 Skeletonema costatum	0.4 mg/L
48 Hr LC50 Daphnia magna	2.16 mg/L
48 Hr EC50 Daphnia magna	1.96 mg/L [Flow through]
48 Hr EC50 Daphnia magna	1.09 - 3.4 mg/L [Static]

## Persistence/Degradability

No information available for the product.

## Bioaccumulation

No information available for the product.

## Mobility in Soil

No information available for the product.

## \* \* \* Section 13 - Disposal Considerations \* \* \*

## Waste Disposal Instructions

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

## Disposal of Contaminated Containers or Packaging

Dispose of contents/container in accordance with local/regional/national/international regulations.



# Safety Data Sheet

Material Name: D-703

## \*\*\* Section 14 - Transportation Information \*\*\*

### DOT Information

**Shipping Name:** Flammable liquid, n.o.s. (Contains Petroleum Solvent, Isopropanol)

**UN #:** 1993 **Hazard Class:** 3 **Packing Group:** III

## \*\*\* Section 15 - Regulatory Information \*\*\*

### Regulatory Information

#### US Federal Regulations

#### Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

#### Xylenes (o-, m-, p- isomers) (1330-20-7)

SARA 313: 1.0 % de minimis concentration

CERCLA: 100 lb final RQ; 45.4 kg final RQ

#### Proprietary Component 1 (Trade Secret)

CERCLA: 1000 lb final RQ; 454 kg final RQ

#### Proprietary Component 4 (Trade Secret)

SARA 313: 1.0 % de minimis concentration (only if manufactured by the strong acid process, no supplier notification)

#### Proprietary Component 5 (Trade Secret)

SARA 313: 0.1 % de minimis concentration

CERCLA: 100 lb final RQ; 45.4 kg final RQ

#### State Regulations

#### Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Xylenes (o-, m-, p- isomers)	1330-20-7	Yes	Yes	Yes	Yes	Yes	No
Proprietary Component 1	Trade Secret	Yes	Yes	No	Yes	Yes	No
Proprietary Component 4	Trade Secret	Yes	Yes	Yes	Yes	Yes	No
Proprietary Component 5	Trade Secret	Yes	Yes	Yes	Yes	Yes	No

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the state of California to cause cancer.

# Safety Data Sheet

**Material Name: D-703**

## Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Proprietary Component 1	Trade Secret	1 %
Proprietary Component 4	Trade Secret	1 %
Proprietary Component 5	Trade Secret	1 %

## Additional Regulatory Information

## Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Xylenes (o-, m-, p- isomers)	1330-20-7	Yes	DSL	EINECS
Proprietary Component 1	Trade Secret	Yes	DSL	EINECS
Proprietary Component 2	Trade Secret	Yes	DSL	EINECS
Proprietary Component 3	Trade Secret	Yes	DSL	EINECS
Proprietary Component 4	Trade Secret	Yes	DSL	EINECS
Proprietary Component 5	Trade Secret	Yes	DSL	EINECS

## \* \* \* Section 16 - Other Information \* \* \*

**HMIS Ratings: Health: 2 Fire: 3 HMIS Reactivity 0**

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard

**NFPA Ratings: Health: 2 Fire: 3 Reactivity: 0**

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

## Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration., NJTSR = New Jersey Trade Secret Registry.

## Literature References

None

End of Sheet