



SAFETY DATA SHEET

DURAD® 300

Version: 1.1

Revision Date: 03/31/2015

Print Date: 04/22/2015

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: DURAD® 300

Company: Chemtura Corporation
199 Benson Road
Middlebury, CT
06749
United States of America

Telephone: (US) +1 866-430-2775

Emergency telephone number: CHEMTREC: (24 hours) 800-424-9300
:
Chemtura Corporation Emergency Response: CHEMTURA : 800-292-5898

For additional emergency telephone numbers see section 16 of the Safety Data Sheet.

Prepared by Product Safety Department
(US) +1 866-430-2775

MSDSRequest@chemtura.com

SECTION 2. HAZARDS IDENTIFICATION


Form	liquid
Colour	colourless
Odour	odourless

GHS Classification

Reproductive toxicity (Oral) : Category 2
Specific target organ toxicity - repeated exposure : Category 2
Chronic aquatic toxicity : Category 4

GHS Label element

Signal word : **Warning**

Hazard pictograms : 



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Hazard statements : H361 Suspected of damaging fertility or the unborn child if swallowed.
H373 May cause damage to organs through prolonged or repeated exposure.
H413 May cause long lasting harmful effects to aquatic life.

Other hazards : None

Precautionary statements : **Prevention:**
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P273 Avoid release to the environment.
P281 Use personal protective equipment as required.
Response:
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
Storage:
P405 Store locked up.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Self-ignitable : No data available

Carcinogenicity:

IARC Group 3: Not classifiable as to its carcinogenicity to humans
phenol 108-95-2

OSHA No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Chemical Name	CAS-No.	Concentration (%)
Phenol, isopropylated, phosphate (3:1)	68937-41-7	>= 90 - <= 100 %
phenol	108-95-2	>= 0.1 - < 1 %

SECTION 4. FIRST AID MEASURES

If inhaled : Remove to fresh air.
Get medical attention.



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- In case of skin contact : Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
If skin irritation occurs: Get medical advice/ attention.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes.
- If swallowed : If conscious, make the victim drink the following:
Drink 1 or 2 glasses of water.
Get medical attention immediately.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water mist
ABC powder
Sand
Carbon dioxide (CO₂)
Foam
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : Burning produces noxious and toxic fumes.
Exposure to decomposition products may be a hazard to health.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation.
Use personal protective equipment.
- Environmental precautions : Avoid release to the environment.
- Methods and materials for containment and cleaning up : Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labelled containers.

SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Handle in accordance with good industrial hygiene and safety practice.



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Use personal protective equipment as required.
Avoid contact with skin, eyes and clothing.
Do not breathe vapours or spray mist.
Use only in well-ventilated areas.

Conditions for safe storage : Keep container tightly closed.
Keep in a dry, cool and well-ventilated place.
Protect from contamination.

Materials to avoid : None known.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

phenol	108-95-2	TWA	5 ppm	ACGIH
		TWA	5 ppm 19 mg/m3	OSHA Z-1
		TWA	5 ppm 19 mg/m3	OSHA P0
		TWA	5 ppm 19 mg/m3	NIOSH REL
		C	15.6 ppm 60 mg/m3	NIOSH REL

Biological occupational exposure limits

Component	CAS-No.	Control parameters	Sampling time	Sampling time	Permissible concentration	Basis
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Engineering measures : Use local ventilation to keep levels below established threshold values.
Local ventilation is needed in the presence of airborne mists.
Adequate general ventilation is recommended when handling to control airborne levels.
Use mechanical ventilation for general area control.

Personal protective equipment

Respiratory protection : Use respirator when performing operations involving potential exposure to vapour of the product.
A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.
Wear a NIOSH/MSHA approved self-contained breathing apparatus in emergency situations.

In the case of vapour formation use a respirator with an approved filter.

Hand protection
Remarks : Impervious butyl rubber gloves



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- Eye protection : Safety goggles
or
Face-shield
- Skin and body protection : To protect against splashes from pouring:
Chemical resistant apron
impervious clothing
Rubber or plastic boots
- Hygiene measures : Wash thoroughly after handling.
Wash contaminated clothing before reuse.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : liquid
- Color : colourless
- Odor : odourless
- Odour Threshold : No data available
- pH : No data available
- Melting point/range :
No data available
- Boiling point/boiling range : 220 - 270 °C
- Evaporation rate : No data available
- Flash point : 199 °C
Method: ASTM D 93
- Auto-flammability : No data available
- Upper explosion limit : No data available
- Lower explosion limit : No data available
- Vapour pressure : 0.035 hPa (150 °C)
- Relative vapour density : > 1
- Relative density : 1.050 - 1.170 (20 °C)
- Density : No data available
- Solubility(ies)
- Water solubility : insoluble
- Solubility in other solvents : No data available
- Partition coefficient: n-octanol/water : No data available
- Auto-ignition temperature : 551 °CAuto-flammability



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Thermal decomposition : No data available

Viscosity

Viscosity, dynamic : No data available

Viscosity, kinematic : No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions : Will not occur.

Conditions to avoid : Exposure to moisture.
Contamination

Incompatible materials : None known.

Hazardous decomposition products :
Carbon oxides
Oxides of phosphorus

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity (Product) : LD50: > 5,000 mg/kg
Species: Rat

Acute inhalation toxicity (Product) : LC50: > 200 mg/l
Species: Rat
: Acute toxicity estimate: > 40 mg/l
Exposure time: 4 h
Method: Calculation method

Acute dermal toxicity (Product) : LD50: > 2,000 mg/kg
Species: Rat

Skin irritation (Product) : Result: No skin irritation

Eye irritation (Product) : Result: No eye irritation



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Sensitisation (Product) : Remarks: Not classified due to data which are conclusive although insufficient for classification.

Aspiration toxicity (Product) : No aspiration toxicity classification

Further information (Product) : The toxicological data has been taken from products of similar composition.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish (Product) : LC50: > 1,000 mg/l
Exposure time: 96 h
Species: Fish

Toxicity to daphnia and other aquatic invertebrates (Product) : EL50: 1,000 mg/l
Exposure time: 48 h
Species: Daphnia (water flea)

Toxicity to algae (Product) : EL50: > 1,000 mg/l
Exposure time: 72 h
Species: Algae

Toxicity to bacteria (Product) : EC50: > 1,000 mg/l
Species: Bacteria

Elimination information (persistence and degradability)

Bioaccumulation (Product) : Remarks:
No data available

Mobility (Product) : Remarks:
No data available

Biodegradability (Product) : Result: According to the results of tests of biodegradability this product is not readily biodegradable.
17.9 %

Further information on ecology



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Ecotoxicology Assessment

Results of PBT assessment (Product)

This substance is not considered to be persistent, bioaccumulating and toxic (PBT).

Additional ecological information (Product) : Information given is based on data on the components and the ecotoxicology of similar products.
Avoid release to the environment.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of in accordance with local regulations.
Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

ADR

Not dangerous goods

RID

Not dangerous goods

MERCOSUR

Not dangerous goods

DOT

Not dangerous goods

IATA

Not dangerous goods

IMDG

Not dangerous goods

SECTION 15. REGULATORY INFORMATION



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EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
phenol	108-95-2	1000	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
phenol	108-95-2	1000	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 311/312 Hazards : Chronic Health Hazard
Acute Health Hazard

SARA 302 : The following components are subject to reporting levels established by SARA Title III, Section 302:
phenol 108-95-2

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations

California Prop 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

The components of this product are reported in the following inventories:

US.TSCA

On TSCA Inventory

DSL

All components of this product are on the Canadian DSL.

AICS

On the inventory, or in compliance with the inventory

NZIoC

On the inventory, or in compliance with the inventory

ENCS

On the inventory, or in compliance with the inventory

KECI

On the inventory, or in compliance with the inventory

PICCS

On the inventory, or in compliance with the inventory

IECSC

On the inventory, or in compliance with the inventory

SECTION 16. OTHER INFORMATION

Further information

Other Emergency Phone Number

Latin America:	Brazil	+55 113 711 9144
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	All other countries	+44 (0) 1235 239 670
<u>Mexico:</u>		+52 555 004 8763

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