

Reofos® 65

Version: 1.5

Revision Date: 02/06/2013

Print Date: 08/22/2013

SECTION 1. PRODUCT AND CO	OMPANY IDENTIFICATION
Product name:	Reofos® 65
Product Use Description:	Flame retardants Additive
Chemical nature:	UVCB substance
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: 02/06/2013	Product Safety Department (US) +1 866-430-2775 MSDSRequest@chemtura.com

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Form: liquid Colou	<u>ur</u> : colourless <u>Odour</u> : odourless
Hazard Summary	: May cause eye, skin, and respiratory tract irritation. Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
Potential Health Effects	
Primary Routes of Entry	: Inhalation Skin contact
Primary Routes of Entry Skin	



Reofos® 65

Version: 1.5	Revision Date: 02/06/2013	Print Date: 08/22/2013	
Ingestion Chronic Exposure	: Prolonged exposure can be harmful for certain nervous system and skin.	osure can be harmful for certain organs, e.g. liver, kidneys, blood, n and skin.	
Symptoms of Overexposure	: toxic effects for reproduction		

Environmental Effects

Environmental Effects	: Toxic to aquatic organisms; may cause long-term adverse effects in the aquatic
	environment.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Component / CAS-No.	Weight percent
Phenol, isopropylated, phosphate (3:1) [Triphenyl phosphate > 5%] 68937-41-7	60 - 80 %
triphenyl phosphate 115-86-6	10 - 30 %

SECTION 4. FIRST AID MEASURES

First aid procedures		
Inhalation	: Move to fresh air. Obtain medical attention.	
Skin contact	: Wash off immediately with plen Wash off with soap and water. If symptoms persist, call a phys	
Eye contact	: Rinse thoroughly with plenty of Rinse thoroughly with plenty of physician.	f water, also under the eyelids. f water for at least 15 minutes and consult a
Ingestion	: If conscious, make the victim d Drink 1 or 2 glasses of water. Get medical attention immediat	-
Notes to physician		
Symptoms	: toxic effects for reproduction	
Treatment	: The first aid procedure should responsible for industrial medic	be established in consultation with the doctor cine.
	2/11	
SAP 6.0	2 / 11	SDS Number: 400000004910



Reofos® 65

Version: 1.5

Revision Date: 02/06/2013

Print Date: 08/22/2013

Flammable properties	
Flash point	: >= 356 °F (>= 180 °C) Method: ASTM D 93
Lower explosion limit	: Remarks: no data available
Upper explosion limit	: Remarks: no data available
Fire fighting	
Suitable extinguishing media	: Any
Protective equipment and pr	recautions for firefighters
Specific hazards during firefighting	: Burning produces irritant 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.
CTION 6. ACCIDENTAL RELE	ASE MEASURES : Evacuate personnel to safe areas. Use personal protective equipment.
Environmental precautions	: Discharge into the environment must be avoided. Do not contaminate water.
	Do not flush into surface water or sanitary sewer system.
Methods for containment / Methods for cleaning up	
	 Do not flush into surface water or sanitary sewer system. Ventilate the area. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand earth, diatomaceous earth, vermiculite) and transfer to a container for dispose according to local / national regulations (see section 13).
Methods for cleaning up	 Do not flush into surface water or sanitary sewer system. Ventilate the area. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand earth, diatomaceous earth, vermiculite) and transfer to a container for dispose according to local / national regulations (see section 13).
Methods for cleaning up	 Do not flush into surface water or sanitary sewer system. Ventilate the area. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand earth, diatomaceous earth, vermiculite) and transfer to a container for dispose according to local / national regulations (see section 13).
Methods for cleaning up	 Do not flush into surface water or sanitary sewer system. Ventilate the area. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand earth, diatomaceous earth, vermiculite) and transfer to a container for dispose according to local / national regulations (see section 13). DRAGE Handle in accordance with good industrial hygiene and safety practice. Wear personal protective equipment. Avoid contact with skin, eyes and clothing.
Methods for cleaning up CTION 7. HANDLING AND STC Handling Handling procedures	 Do not flush into surface water or sanitary sewer system. Ventilate the area. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand earth, diatomaceous earth, vermiculite) and transfer to a container for dispose according to local / national regulations (see section 13). DRAGE Handle in accordance with good industrial hygiene and safety practice. Wear personal protective equipment. Avoid contact with skin, eyes and clothing.



Reofos® 65

Version: 1.5

Revision Date: 02/06/2013

Print Date: 08/22/2013

Other data

: Stable under recommended storage conditions.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Components with workplace control parameters

Components / CAS-No.	Value / Basis / Update	Control parameters	Further information
triphenyl phosphate 115-86-6	TWA ACGIH 2007-01-01	3 mg/m3	
	TWA OSHA P1 1997-08-04	3 mg/m3	
	TWA OSHA P0 1989-01-19	3 mg/m3	

Engineering measures		
Engineering measures	ventilation system.	tilation. Innot be returned to the workplace through the Is and safety showers are close to the workstatic
Personal protective equip	nent	
Eye protection	: Safety glasses with side-shie Wear face-shield and protec	elds tive suit for abnormal processing problems.
Hand protection	: Solvent-resistant gloves (but	tyl-rubber)
Skin and body protection	: To protect against splashes Chemical resistant apron impervious clothing Rubber or plastic boots	from pouring:
Respiratory protection	: When using this product at e vapour filter (see section 8).	elevated temperatures, wear a respirator with a
5.0	4 / 11	SDS Number: 40000004910



Reofos® 65

Version: 1.5

Revision Date: 02/06/2013

Print Date: 08/22/2013

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES				
Appearance				
Form Colour	: liquid : colourless			
Odour	: odourless			
Safety data				
Flash point	: >= 356 °F (>= 180 °C) Method: ASTM D 93			
Lower explosion limit	: Note: no data available			
Upper explosion limit	: Note: no data available			
Pour point	: < -11 °F (-24 °C)			
Boiling point/boiling range	: 428 - 509 °F (220 - 265 °C) at 5.333 hPa (533.300 mmHg)			
Vapour pressure	: 0.01333 hPa at 302 °F (150 °C)			
Specific Gravity	: 1.153 - 1.183 at 20 °C			
Water solubility	: Note: insoluble			
Viscosity, dynamic	: 27 - 32 mPa.s Method: ASTM D 445			

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid	: Remarks: not applicable
Materials to avoid	: Remarks: None.
Hazardous decomposition products	: Note: Carbon oxides Oxides of phosphorus
Hazardous reactions	: Hazardous polymerisation does not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity Phenol, isopropylated, phosphate (3:1) [Triphenyl phosphate > 5%] triphenyl phosphate	 LD50: > 5,000 mg/kg Species: rat LD50: > 2,000 mg/kg Species: rat 	
SAP 6.0	5 / 11	SDS Number: 40000004910



ersion: 1.5	Revision Date: 02/06/2013	Print Date: 08/22/20
Acute inhalation toxicity Phenol, isopropylated, phosphate (3:1) [Triphenyl phosphate > 5%] triphenyl phosphate	 : LC50: > 200 mg/l Species: rat : LC50: > 200 mg/l Exposure time: 1 h Species: rat 	
Acute dermal toxicity Phenol, isopropylated, phosphate (3:1) [Triphenyl phosphate > 5%] triphenyl phosphate	 LD50: > 10,000 mg/kg Species: rabbit LD50: > 7,900 mg/kg Species: rabbit 	
Skin irritation	: Species: rabbit Result: No skin irritation	
Eye irritation	: Species: rabbit Result: No eye irritation	
Sensitisation	: Remarks: Not classified due to lack of data.	
Aspiration toxicity	: No aspiration toxicity classification	
Toxicology Assessment		
CMR effects	 Carcinogenicity: Not classified due to lack of data. Mutagenicity: Not classified due to data which are conclusive alth classification. Reproductive toxicity: Suspected of damaging fertility. Suspected of dama child. 	-
Further information	: Information given is based on data on the compone toxicology of similar products.	ents and the
ECOLOGICAL INFORMATIC	N	
Ecotoxicity effects		
Toxicity to fish	: Remarks: Information refers to the main component.	



sion: 1.5	Revision Date: 02/06/2013	Print Date: 08/22/201
Toxicity to daphnia and oth	er · Remarks:	
aquatic invertebrates	Information refers to the main component.	
Toxicity to algae triphenyl phosphate	: NOEC: 0.25 - 2.5 mg/l	
	Exposure time: 72 h	-)
	Species: Green algae (Scenedesmus subspicatus Growth inhibition Method: OECD Test Guideline 2	201
Toxicity to fish (Chronic tox		
triphenyl phosphate	: NOEC: 0.037 mg/l Exposure time: 30 d	
	Species: Oncorhynchus mykiss (rainbow trout)	
Elimination information (p	persistence and degradability)	
Bioaccumulation	: Remarks:	
	no data available	
Mobility	: Remarks:	
	no data available	
Biodegradability	: Result: Not readily biodegradable.	
Further information on ec	ology	
Ecotoxicology Assessme	nt	
Results of PBT assessmen		
This substance is not consi Additional ecological	dered to be persistent, bioaccumulating nor toxic (PBT). : Information given is based on data on the compor	ante and the
information	ecotoxicology of similar products.	
CTION 13. DISPOSAL CON		
Further information	 Dispose of as hazardous waste in compliance with national regulations. 	n local and
	Dispose of wastes in an approved waste disposal	facility.
CTION 14. TRANSPORT INF		
DOT	. 2020	
UN number Description of the goods	: 3082 : Environmentally hazardous substances, liquid, n.o	D.S.
	 : (Phenol, isopropylated phosphate (3:1) [Tripheny > 5%]) 	
Class	: 9	
Packing group	: 111	



Hetroscy of S rsion: 1.5 Revision Date: 02/06/2013 Print Date: 08/22/20 ERG Code : 171 IATA			
ERG Code : 171 IATA UN number : 3082 Description of the goods : Environmentally hazardous substance, liquid, n.o.s. (Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%6] Class : 9 Packing group : 111 Labels : 9 Environmentally hazardous : yes IMDG : 9 UN number : 3082 Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%6] Class : 9 Packing group : 111 EmS Number 1 : 9 Packing group : 111 EmS Number 1 : 9 Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%6] Environmentally hazardous : 9es Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%6] Environmentally hazardous : 9es Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%6] Environmentally hazardous : 9es Phenol (Solution 108-95-2 SARA 302 Reportable : Quanity SARA 302 Reportable : Quanity SARA 302 Reportable : Phenol (Solution 108-95-2 : 500 lbs Phenol (Solution 108-	eofos® 65		
WTA UN number : 3082 Description of the goods :: Environmentally hazardous substance, liquid, n.o.s. (Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%]) Class : 9 Packing group :: III Labels : 9 Environmentally hazardous : yes IMDG :: UN number :: Description of the goods :: Environmentally hazardous : yes IMDG : UN number :: Packing group :: Environmentally hazardous : yes IMDG : UN number :: Packing group :: Environmentally hazardous : 9 Packing group :: Imm Soumber 1 :: Fr-A : Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, Soloropylated phosphate (3:1) [Triphe	sion: 1.5	Revision Date: 02/06/2013	Print Date: 08/22/20
UN number ::::::::::::::::::::::::::::::::::::	ERG Code	: 171	
UN number ::::::::::::::::::::::::::::::::::::			
UN number ::::::::::::::::::::::::::::::::::::	ΙΔΤΔ		
Description of the goods : Environmentally hazardous substance, liquid, n.o.s. ('Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%]) Class : 9 Packing group : III Labels : 9 Environmentally hazardous : yes MDG UN number : 3082 Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ('Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%]) Class : 9 Packing group : III EmS Number 1 : F-A EmS Number 2 : S-F Marine pollutant : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Class : 9 Packing group : III Environmentally hazardous : yes Marine pollutant : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : Yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : Yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : Yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : Yes Phenol (Solution) 108-95-2 : 500 lbs phenol (Solution) 108-95-2 : 500 lbs		· 3082	
Class : 9 Packing group : III Labels : 9 Environmentally hazardous : yes MDC UN number : 3082 Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%]) Class : 9 Packing group : III EmS Number 1 : F-A EmS Number 2 : S-F Marine pollutant : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes CTION 15. REGULATORY INFORMATION CERCLA Reportable : Quantity SARA 302 Reportable : Quantity SARA 302 Reportable : Quantity Phenol (Solution) 108-95-2 : 500 lbs phenol (Solution) 108-95-			l, n.o.s.
Class : 9 Packing group : III Labels : 9 Environmentally hazardous : yes IMDG UN number : 3082 Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%]) Class : 9 Packing group : III EmS Number 1 : F-A EmS Number 2 : S-F Marine pollutant : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] ETION 15. REGULATORY INFORMATION CERCLA Reportable : Quantity SARA 302 Reportable : Quantity SARA 302 Reportable : Phenol (Solution) 108-95-2 10000 lbs phenol (Solution) 108-95-2 500 lbs		(Phenol, isopropylated phosphate (3:1) [Trip	
Packing group : III Labels : 9 Environmentally hazardous : yes IMDG UN number : 3082 Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Class : 9 Packing group : III EmS Number 1 : F-A EmS Number 2 : S-F Marine pollutant : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environ 15. REGULATORY INFORMATION CERCLA Reportable : Quantity SARA 302 Reportable : Quantity SARA 302 Reportable : Phenol (Solution) 108-95-2 10000 lbs phenol (Solution) 108-95-2 500 lbs	Class		
Labels : 9 Environmentally hazardous : 99 IMDC UN number : 3082 Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 99 Packing group : III EmS Number 1 : F-A EmS Number 2 : S-F Marine pollutant : 98 Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : 98 Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : 98 Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : 98 Environmentally : 98 Environmentally hazardous : 98 Environmentally :			
Environmentally hazardous : yes IMDG UN number : 3082 Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Class : 9 Packing group : III EmS Number 1 : F-A EmS Number 2 : S-F Marine pollutant : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Environmentally : yes Environmentally hazardous : yes Environmentally hazardous : yes Environmentally : yes Environmentaly : yes Environmentally :			
IMDG UN number : 3082 Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%]) Class : 9 Packing group : III EmS Number 1 : F-A EmS Number 2 : S-F Marine pollutant : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] CTION 15. REGULATORY INFORMATION CERCLA Reportable : : : Quantity SARA 302 Reportable : : : Quantity SARA 302 Reportable : : : : : : : : : : : : : : : : : : :			
UN number : 3082 Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Class : 9 Packing group : III EmS Number 1 : F-A EmS Number 2 : S-F Marine pollutant : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environ 15. REGULATORY INFORMATION CERCLA Reportable : Quantity SARA 302 Reportable : Quantity SARA 302 Reportable : Quantity SARA 302 Reportable : Quantity phenol (Solution) 108-95-2 500 lbs phenol		. 300	
Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%]) Class : 9 Packing group : III EmS Number 1 : F-A EmS Number 2 : S-F Marine pollutant : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] S-F Marine pollutant : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] S-F CTION 15. REGULATORY INFORMATION : Yes CERCLA Reportable : Quantity : Acute Health Hazard SARA 302 Reportable : Quantity : Acute Health Hazard CHORIN 108-95-2 : SARA 302 Reportable : Quantity : SARA 302 Reportable : Phenol (Solution) 108-95-2 : Denol (Solution) 108-95-2 : Denol (Solution) 108-95-2 :			
N.O.S. (Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%]) Class :9 Packing group :11 EmS Number 1 : F-A EmS Number 2 : S-F Marine pollutant : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] CERCLA Reportable : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] CTION 15. REGULATORY INFORMATION CERCLA Reportable : Quantity SARA 302 Reportable : Quantity SARA 311/312 Hazards : Acute Health Hazard Chronic Health Hazard EPCRA - EMERGENCY PLANNING COMMUNITY RIGHT - TO - KNOW SARA 302 Reportable : phenol (Solution) 108-95-2 phenol (Solution) 108-95-2 500 lbs phenol (Solution) 108-95-2<			
Class : 9 Packing group : III EmS Number 1 : F-A EmS Number 2 : S-F Marine pollutant : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] CTION 15. REGULATORY INFORMATION CERCLA Reportable :<	Description of the goods		TANCE, LIQUID,
> 5%)) > 5%)) Packing group : 9 Packing group : 11 EmS Number 1 : F-A EmS Number 2 : S-F Marine pollutant : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] CTION 15. REGULATORY INFORMATION CERCLA Reportable CERCLA Reportable : Quantity SARA 302 Reportable SARA 302 Reportable : Quantity Acute Health Hazard CHronic Health Hazard Chronic Health Hazard Cuantity phenol (Solution) 108-95-2 10000 lbs SARA 302 Reportable : - Quantity phenol (Solution) 108-95-2 500 lbs SARA 302 Reportable : - Phenol (Solution) 108-95-2 500 lbs 500 lbs phenol (Solution) 108-95-2 500 lbs 500 lbs SARA 304 Components : - -			
Class : 9 Packing group : III EmS Number 1 :: F-A EmS Number 2 :: S-F Marine pollutant : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] CTION 15. REGULATORY INFORMATION CERCLA Reportable : Guantity SARA 302 Reportable : Quantity SARA 302 Reportable : Quantity SARA 302 Reportable : Quantity SARA 302 Reportable : Quantity SARA 302 Reportable : Phenol (Solution) 108-95-2 10000 lbs phenol (Solution) 108-95-2 500 lbs			henyl phosphate
Packing group : III EmS Number 1 : F-A EmS Number 2 : S-F Marine pollutant : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] ETION 15. REGULATORY INFORMATION CERCLA Reportable : Quantity SARA 302 Reportable : Quantity SARA 302 Reportable : EPCRA - EMERGENCY PLANNING COMMUNITY RIGHT - TO - KNOW SARA 302 Reportable : Quantity : phenol (Solution) 108-95-2 10000 lbs phenol (Solution) 108-95-2 500 lbs Phenol (Solution) 10	Class		
EmS Number 1 : F-A EmS Number 2 : S-F Marine pollutant : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] CTION 15. REGULATORY INFORMATION CERCLA Reportable : Quantity SARA 302 Reportable : Quantity SARA 311/312 Hazards : Acute Health Hazard Chronic Health Hazard EPCRA - EMERGENCY PLANNING COMMUNITY RIGHT - TO - KNOW SARA 302 Reportable : Quantity phenol (Solution) 108-95-2 10000 lbs phenol (Solution) 108-95-2 500 lbs SARA 304 Components :			
EmS Number 2 : S-F Marine pollutant : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] CTION 15. REGULATORY INFORMATION E CERCLA Reportable : Quantity : SARA 302 Reportable : Quantity : SARA 311/312 Hazards : Acute Health Hazard Chronic Health Hazard EPCRA - EMERGENCY PLANNING COMMUNITY RIGHT - TO - KNOW SARA 302 Reportable : uantity : phenol (Solution) 108-95-2 10000 lbs phenol (Solution) 108-95-2 : phenol (Solution) 108-			
Marine pollutant : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] CTION 15. REGULATORY INFORMATION CERCLA Reportable :			
Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] CTION 15. REGULATORY INFORMATION CERCLA Reportable : Quantity SARA 302 Reportable : Quantity SARA 311/312 Hazards : Acute Health Hazard Chronic Health Hazard EPCRA - EMERGENCY PLANNING COMMUNITY RIGHT - TO - KNOW SARA 302 Reportable : Quantity : SARA 302 Reportable : Definition : Phenol (Solution) 108-95-2 10000 lbs phenol (Solution) 108-95-2 500 lbs	Ems Number 2	: S-F	
Environmentally hazardous > 5%] Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] CTION 15. REGULATORY INFORMATION CERCLA Reportable : Quantity SARA 302 Reportable : Quantity SARA 311/312 Hazards : Acute Health Hazard Chronic Health Hazard Chronic Health Hazard EPCRA - EMERGENCY PLANNING COMMUNITY RIGHT - TO - KNOW SARA 302 Reportable : Quantity : phenol (Solution) 108-95-2 10000 lbs phenol (Solution) 108-95-2 500 lbs phenol (Solution) 108-95	Marine pollutant		
Environmentally hazardous : yes Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] CTION 15. REGULATORY INFORMATION CERCLA Reportable : CUantity :			nenyi phosphate
Phenol, isopropylated phosphate (3:1) [Triphenyl phosphate > 5%] CTION 15. REGULATORY INFORMATION CERCLA Reportable : Quantity : SARA 302 Reportable : Quantity : SARA 311/312 Hazards : Acute Health Hazard Chronic Health Hazard Chronic Health Hazard EPCRA - EMERGENCY PLANNING COMMUNITY RIGHT - TO - KNOW SARA 302 Reportable : Quantity : phenol (Solution) 108-95-2 10000 lbs phenol (Solution) 108-95-2 : phenol (Solution) 108-95-2	Environmentally bazardous		
5%] CTION 15. REGULATORY INFORMATION CERCLA Reportable guantity SARA 302 Reportable Guantity SARA 302 Reportable Guantity SARA 311/312 Hazards Acute Health Hazard Chronic Health Hazard EPCRA - EMERGENCY PLANNING COMMUNITY RIGHT - TO - KNOW SARA 302 Reportable guantity phenol (Solution) 108-95-2 10000 lbs phenol (Solution) 108-95-2 SON lbs phenol (Solution) 108-95-2 SON lbs <td></td> <td></td> <td>benyl phosphate ></td>			benyl phosphate >
CERCLA Reportable:QuantitySARA 302 Reportable:QuantitySARA 311/312 Hazards:Acute Health HazardChronic Health HazardChronic Health HazardEPCRA - EMERGENCY PLANNING COMMUNITY RIGHT - TO - KNOWSARA 302 Reportable:Quantityphenol (Solution) 108-95-210000 lbsphenol (Solution) 108-95-2500 lbsSARA 304 Components:			
Quantity SARA 302 Reportable:Quantity SARA 311/312 Hazards:Acute Health Hazard Chronic Health HazardEPCRA - EMERGENCY PLANNING COMMUNITY RIGHT - TO - KNOWSARA 302 Reportable Quantityiphenol (Solution) 108-95-2 phenol (Solution) 108-95-	TION 15. REGULATORY INF	ORMATION	
SARA 302 Reportable Quantity SARA 311/312 Hazards:Acute Health Hazard Chronic Health HazardEPCRA - EMERGENCY PLANNING COMMUNITY RIGHT - TO - KNOWEPCRA - EMERGENCY PLANNING COMMUNITY RIGHT - TO - KNOWSARA 302 Reportable Quantity::phenol (Solution) 108-95-2 phenol (Solution) 108-95-2 Sol Ibs phenol (Solution) 108-95-2 Sol IbsSARA 304 Components:		:	
Quantity SARA 311/312 HazardsAcute Health Hazard Chronic Health HazardEPCRA - EMERGENCY PLANNING COMMUNITY RIGHT - TO - KNOWSARA 302 Reportable Quantityphenol (Solution) 108-95-2 phenol (Solution) 108-95-2 phenol (Solution) 108-95-2 phenol (Solution) 108-95-2 phenol (Solution) 108-95-2 phenol (Solution) 108-95-2 phenol (Solution) 108-95-2 500 lbs phenol (Solution) 108-95-2 500 lbsSARA 304 Components:			
SARA 311/312 Hazards: Acute Health Hazard Chronic Health HazardEPCRA - EMERGENCY PLANNING COMMUNITY RIGHT - TO - KNOWSARA 302 Reportable Quantity:phenol (Solution) 108-95-2 phenol (Solution) 108-95-2 phenol (Solution) 108-95-2 phenol (Solution) 108-95-2 phenol (Solution) 108-95-2 500 lbs phenol (Solution) 108-95-2 500 lbs phenol (Solution) 108-95-2 500 lbsSARA 304 Components:		:	
Chronic Health Hazard EPCRA - EMERGENCY PLANNING COMMUNITY RIGHT - TO - KNOW SARA 302 Reportable Quantity : phenol (Solution) 108-95-2 10000 lbs phenol (Solution) 108-95-2 500 lbs			
EPCRA - EMERGENCY PLANNING COMMUNITY RIGHT - TO - KNOWSARA 302 Reportable Quantity:phenol (Solution) 108-95-2 phenol (Solution) 108-95-2 phenol (Solution) 108-95-2 phenol (Solution) 108-95-2 phenol (Solution) 108-95-2 phenol (Solution) 108-95-2 500 lbs phenol (Solution) 108-95-2 500 lbsSARA 304 Components:	SARA 311/312 Hazards		
SARA 302 Reportable Quantity::phenol (Solution) 108-95-2 phenol (Solution) 108-95-2 phenol (Solution) 108-95-2 phenol (Solution) 108-95-2 phenol (Solution) 108-95-2 phenol (Solution) 108-95-2 500 lbs phenol (Solution) 108-95-2 500 lbsSARA 304 Components:			
Quantity phenol (Solution) 108-95-2 10000 lbs phenol (Solution) 108-95-2 500 lbs			
phenol (Solution) 108-95-2 10000 lbs phenol (Solution) 108-95-2 500 lbs sARA 304 Components :	EPCRA - EMERGENCY PLA		
phenol (Solution) 108-95-2 500 lbs SARA 304 Components :	SARA 302 Reportable		
phenol (Solution) 108-95-2 500 lbs SARA 304 Components :	SARA 302 Reportable	:	10000 !!
phenol (Solution) 108-95-2500 lbsphenol (Solution) 108-95-2500 lbsSARA 304 Components:	SARA 302 Reportable	: phenol (Solution) 108-95-2	
sARA 304 Components : 500 lbs	SARA 302 Reportable	: phenol (Solution) 108-95-2 phenol (Solution) 108-95-2	500 lbs
SARA 304 Components	SARA 302 Reportable	: phenol (Solution) 108-95-2 phenol (Solution) 108-95-2 phenol (Solution) 108-95-2	500 lbs 500 lbs
-	SARA 302 Reportable	: phenol (Solution) 108-95-2 phenol (Solution) 108-95-2 phenol (Solution) 108-95-2 phenol (Solution) 108-95-2	500 lbs 500 lbs 500 lbs
	SARA 302 Reportable Quantity	: phenol (Solution) 108-95-2 phenol (Solution) 108-95-2 phenol (Solution) 108-95-2 phenol (Solution) 108-95-2	500 lbs 500 lbs 500 lbs





Reofos® 65 Version: 1.5 Revision Date: 02/06/2013 Print Date: 08/22/2013 Massachusetts Right To : triphenyl phosphate 115-86-6OSHA a. United states **Know Components** occupational safety and health administration substances, 29 cfr 1910.1000, sub part z.ACGIH American conference of governmental industrial hygienists threshold limit value (TLV) substancesNFPA325m national fire protection association 'fire hazard properties of flammable liquids, gasses, volatile solids' substances (NFPA 325 m). Phenol 108-95-2OSHA a. United states occupational safety and health administration substances, 29 cfr 1910.1000, sub part z.ACGIH American conference of governmental industrial hygienists threshold limit value (TLV) substancesNFPA49 national fire protection association 'hazardous chemicals data' substances (NFPA 49).NFPA325m national fire protection association 'fire hazard properties of flammable liquids, gasses, volatile solids' substances (NFPA 325 m).EPA extremely hazardous substances. 29 cfr parts 300 and 355. Federal register 52 fr 13397 (4/22/87). Amended in 52 fr 48073 (12/17/87) and 53 fr 5547 (2/25/88). These substances are subject to the superfund amendment and reauthorization act (SARA) title III.CERCLA hazardous substances. 40 cfr part 302. May be subject to emergency release notification under SARA Title III. Toxic chemical release substances. 52 fr 21152 (6/4/87). Subject to SARA Title III. Pennsylvania Right To : Phenol, isopropylated, phosphate (3:1) 68937-41-7 **Know Components** triphenyl phosphate 115-86-6OSHA a. United states occupational safety and health administration substances, 29 cfr 1910.1000, sub part z. ACGIH American conference of governmental industrial hygienists threshold limit value (TLV) substances NFPA325m national fire protection association 'fire hazard properties of flammable liquids, gasses, volatile solids' substances (NFPA 325 m).



Reofos® 65

sion: 1.5	Revision Date: 02/06/2013	Print Date: 08/22/2013
	 Phenol 108-95-2OSHA a. United states occupation: and health administration substances, 29 cfr 1910.1 part z. ACGIH American conference of governmental indus hygienists threshold limit value (TLV) substances NFPA49 national fire protection association 'hazardo chemicals data' substances (NFPA 49). NFPA325m national fire protection association 'fire H properties of flammable liquids, gasses, volatile solid substances (NFPA 325 m). EPA extremely hazardous substances. 29 cfr parts 3 355. Federal register 52 fr 13397 (4/22/87). Amende 48073 (12/17/87) and 53 fr 5547 (2/25/88). These su are subject to the superfund amendment and reauth act (SARA) title III. CERCLA hazardous substances. 40 cfr part 302. Ma subject to emergency release notification under SAF Toxic chemical release substances. 52 fr 21152 (6/4 Subject to SARA Title III. 	000, sub strial ous hazard ds' 300 and ed in 52 fr ubstances horization ay be RA Title III.
New Jersey Right To Know Components	 Phenol, isopropylated, phosphate (3:1) 68937-41-7 triphenyl phosphate 115-86-6 OSHA a. United state occupational safety and health administration substate ofr 1910.1000, sub part z. ACGIH American conference of governmental indus hygienists threshold limit value (TLV) substances NFPA325m national fire protection association 'fire h properties of flammable liquids, gasses, volatile solid substances (NFPA 325 m). 	es ances, 29 strial hazard
California Prop. 65 Components	: This product does not contain any chemicals known cancer, birth defects, or any other reproductive harm	
The components of this US.TSCA	product are reported in the following inventories: On TSCA Inventory	
DSL	All components of this product are on the Canadian	DSL list.
AICS	On the inventory, or in compliance with the inventory	y
NZIoC	On the inventory, or in compliance with the inventory	y
ENCS	On the inventory, or in compliance with the inventory	y
KECI	On the inventory, or in compliance with the inventory	y
PICCS	On the inventory, or in compliance with the inventory	y
IECSC	On the inventory, or in compliance with the inventory	y
5.0	10 / 11 SDS Num	ber: 40000004910



Reofos® 65

Version: 1.5

Revision Date: 02/06/2013

Print Date: 08/22/2013

SECTION 16. OTHER INFORMATION

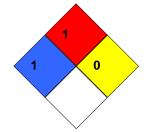
Further information

: Health hazard: 1 Chronic Health Hazard: * Flammability: 1 Reactivity: 0

NFPA Classification

Health hazard: 1 Fire Hazard: 1 Reactivity Hazard: 0

:



Other Emergency Phone Number

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

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.