

**MULTITROPE™ 1214-LQ-(MV)**

Version 1.0

Revision Date 11/24/2014

Print Date 01/19/2021

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : MULTITROPE™ 1214-LQ-(MV)  
Registered Product Identity : MULTITROPE 1214  
Product code : PTR1050  
Chemical Name : Phosphate esters

**Manufacturer or supplier's details**

Company : Croda Inc.  
Address : 777 Scudders Mill Road, Bldg. 2  
Plainsboro, NJ 08536  
Telephone : (609) 212-2500  
Telefax : (609) 212-2501

Emergency telephone : USA: 24 Hour Emergency Response Information CHEMTREC toll free: 1-800-424-9300; direct/international: 1-703-527-3887. CANADA: GFL 1-877-898-7222. EUROPE: 00 32 3575 5555. ASIA PACIFIC - excl. China: +65 6542-9595. CHINA: +86 816-635 2206. AUSTRALIA: +61 2 7808 3390. SOUTH AFRICA: +32 3 575 55 55. BRASIL: Ambipar 0800 117 2020. LATAM: Suatrans (+55) 11 98149-0850 / (+55) 19 3833-5300. INDIA: +91 22 30948601/2. JAPAN: +65 6542 9595 (24時間日本語対応無料通話, シンガポール). TÜRKIYE: Sağlık Bakanlığı Ulusal Zehir Merkezi - 114

**Recommended use of the chemical and restrictions on use**

Recommended use : Surfactant  
Prepared by : Product Safety and Regulatory Affairs Department  
(732) 417-0800

**SECTION 2. HAZARDS IDENTIFICATION****GHS Classification**

Skin corrosion : Category 1A  
Serious eye damage : Category 1

**GHS Label element**

Hazard pictograms :



Signal Word : Danger

Hazard Statements : H314 Causes severe skin burns and eye damage.

Precautionary Statements : **Prevention:**  
P264 Wash skin thoroughly after handling.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
**Response:**

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P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/ physician.

P363 Wash contaminated clothing before reuse.

**Storage:**

P405 Store locked up.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards which do not result in classification**

May cause irritation of respiratory tract.

Ingestion may cause irritation to mucous membranes.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture

**Hazardous ingredients**

Chemical Name	CAS-No.	Concentration [%]
Alkoxylated phosphate ester	68130-47-2	>= 90 - <= 100
Phosphoric acid	7664-38-2	>= 1 - < 5

**SECTION 4. FIRST AID MEASURES**

- If inhaled : If breathed in, move person into fresh air.  
If symptoms persist, call a physician.
- In case of skin contact : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
- In case of eye contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.  
If eye irritation persists, consult a specialist.
- If swallowed : If swallowed, call a poison control center or doctor immediately.
- Most important symptoms and effects, both acute and delayed : None known.
- Notes to physician : None known.

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**SECTION 5. FIRE-FIGHTING MEASURES****Flammable properties**

- Flash point : > 93 °C (> 199 °F)  
Method: closed cup
- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during fire fighting : Do not use a solid water stream as it may scatter and spread fire.  
Do not allow run-off from fire fighting to enter drains or water courses.
- Specific extinguishing methods : Standard procedure for chemical fires.
- Further information : Use water spray to cool unopened containers.
- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Ensure adequate ventilation.
- Environmental precautions : Prevent product from entering drains.  
Do not allow material to contaminate ground water system.
- Methods and materials for containment and cleaning up : Neutralize with chalk, alkali solution or ammonia.  
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.

**SECTION 7. HANDLING AND STORAGE**

- Advice on safe handling : Avoid contact with skin, eyes and clothing.  
Handle in accordance with good industrial hygiene and safety practice.
- Conditions for safe storage : Store in original container.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Keep container tightly closed in a dry and well-ventilated place.
- Materials to avoid : No special restrictions on storage with other products.

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**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Ingredients with workplace control parameters**

Ingredients	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Phosphoric acid	7664-38-2	TWA	1 mg/m <sup>3</sup>	ACGIH
		STEL	3 ppm	ACGIH
		TWA	1 mg/m <sup>3</sup>	NIOSH REL
		ST	3 mg/m <sup>3</sup>	NIOSH REL
		TWA	1 mg/m <sup>3</sup>	OSHA Z-1
		TWA	1 mg/m <sup>3</sup>	OSHA P0
		STEL	3 mg/m <sup>3</sup>	OSHA P0

**Personal protective equipment**

- Respiratory protection : In the case of vapor formation use a respirator with an approved filter.  
No personal respiratory protective equipment normally required.
- Hand protection  
Remarks : Impervious gloves
- Eye protection : Tightly fitting safety goggles  
Face-shield
- Skin and body protection : impervious clothing
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

- Appearance : viscous liquid
- Color : clear
- Odor : No data available
- Odor Threshold : No data available
- pH : 1, 10% In water  
1
- Melting point : No data available
- Boiling point : > 93 °C (> 199 °F)
- Flash point : > 93 °C (> 199 °F) Method: closed cup
- Evaporation rate : No data available
- Vapor pressure : No data available

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Relative vapor density	: No data available
Relative density	: 1.2
Density	: No data available
Solubility(ies)	
Water solubility	: No data available
Solubility in other solvents	: Solvent: No data available
Partition coefficient: n-octanol/water	: No data available
Thermal decomposition	: No data available
Viscosity	
Viscosity, kinematic	: No data available
Explosive properties	: Method: No information available.
Oxidizing properties	: No data available
Surface tension	: not determined
Conductivity	: No data available

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity	: No data available
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Hazardous polymerization does not occur. Stable under normal conditions.  No decomposition if used as directed.
Conditions to avoid	: None known.
Incompatible materials	: Strong oxidizing agents
Hazardous decomposition products	: In case of fire hazardous decomposition products may be produced such as: Carbon monoxide Carbon dioxide (CO <sub>2</sub> ) Oxides of phosphorus

**SECTION 11. TOXICOLOGICAL INFORMATION****Acute toxicity****Product:**

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Acute oral toxicity :  
Remarks: No data available

**Skin corrosion/irritation****Product:**

Result: Corrosive  
Classification: Causes burns.  
Method: In vitro study

**Serious eye damage/eye irritation****Product:**

Result: May cause irreversible eye damage.

Result: Causes burns.

**Respiratory or skin sensitization****Product:**

Remarks: No data available

**Germ cell mutagenicity****Product:**

Genotoxicity in vitro : Remarks: No data available

**Carcinogenicity****Product:**

Remarks: This information is not available.

**Reproductive toxicity****Product:**

Effects on fertility :  
Remarks: This information is not available.

**STOT-single exposure****Product:**

Assessment: No data available

**STOT-repeated exposure****Product:**

Assessment: No data available

**Aspiration toxicity**

No data available

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**Further information****Product:**

Remarks: No data available

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Product:**

- Toxicity to fish : Remarks: No data available
- Toxicity to daphnia and other aquatic invertebrates : EC50 (calculated) (Daphnia magna (Water flea)): 8.80 mg/l  
Exposure time: 48 h  
Test Method: Immobilization  
Method: OECD Test Guideline 202
- Toxicity to algae : EbC50 (Desmodesmus subspicatus (green algae)): 26 - 35 mg/l  
Exposure time: 72 h  
Test Type: semi-static test
- EC50 : 8.8 mg/l  
Exposure time: 48 h
- ErC50 (Desmodesmus subspicatus (green algae)): 63 - 78 mg/l  
Exposure time: 72 h  
Test Type: semi-static test
- NOEC : 6.25 mg/l

**Persistence and degradability****Product:**

- Biodegradability : Test Type: aerobic  
Result: Biodegradable  
Biodegradation: 87 %  
Exposure time: 28 d  
Method: Directive 67/548/EEC Annex V, C.4.B.  
Remarks: This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

**Bioaccumulative potential****Product:**

- Bioaccumulation : Remarks: No data available
- Partition coefficient: n-octanol/water : Remarks: No data available

**Mobility in soil**

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No data available

**Other adverse effects****Product:**

Environmental fate and pathways : Remarks: No data available  
 Results of PBT and vPvB assessment : Remarks: No data available  
 Additional ecological information : There is no data available for this product.

**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

Waste from residues : Dispose of in accordance with local regulations.  
 Contaminated packaging : Empty remaining contents.  
 Do not re-use empty containers.  
 Empty containers should be taken to an approved waste handling site for recycling or disposal.

**SECTION 14. TRANSPORT INFORMATION****International Regulation****IATA-DGR**

UN/ID No. : 3265  
 Proper shipping name : Corrosive liquid, acidic, organic, n.o.s.  
 (phosphoric acid ester)  
 Class : 8  
 Packing group : II  
 Labels : 8  
 Packing instruction (cargo aircraft) : 855  
 Packing instruction (passenger aircraft) : 851

**IMDG-Code**

UN number : 3265  
 Proper shipping name : CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.  
 (phosphoric acid ester)  
 Class : 8  
 Packing group : II  
 Labels : 8  
 EmS Code : F-A, S-B  
 Marine pollutant : no

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**Domestic regulation**

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**49 CFR**

UN/ID/NA number : 3265  
 Proper shipping name : Corrosive liquid, acidic, organic, n.o.s.  
 (phosphoric acid ester)  
 Class : 8  
 Packing group : II  
 Labels : 8  
 ERG Code : 153  
 Marine pollutant : no

**Special precautions for user**

Not applicable

**SECTION 15. REGULATORY INFORMATION**

**WHMIS Classification** : E: Corrosive Material

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

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**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****Pennsylvania Right To Know**

Alkoxylated phosphate ester	68130-47-2	90 - 100 %
Phosphoric acid	7664-38-2	1 - 5 %

**New Jersey Right To Know**

Alkoxylated phosphate ester	68130-47-2	90 - 100 %
Phosphoric acid	7664-38-2	1 - 5 %

**California Prop 65** This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

**The ingredients of this product are reported in the following inventories:**

**TSCA** All chemical substances in this product are listed on the TSCA Inventory.

**REACH** On the inventory, or in compliance with the inventory

**CH INV** The mixture contains substances listed on the Swiss Inventory

**DSL** All components of this product are on the Canadian DSL.

**AICS** On the inventory, or in compliance with the inventory

**ENCS** On the inventory, or in compliance with the inventory

**ISHL** On the inventory, or in compliance with the inventory

**KECI** On the inventory, or in compliance with the inventory

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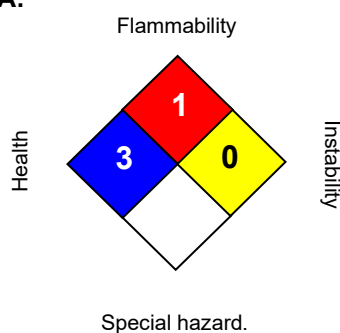
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**PICCS**  
**IECSC**On the inventory, or in compliance with the inventory  
On the inventory, or in compliance with the inventory**Inventories**

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

**SECTION 16. OTHER INFORMATION****Further information****NFPA:****HMIS II:**

<b>HEALTH</b>	<b>3</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>Reactivity</b>	<b>0</b>

0 = not significant, 1 =Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

The information provided in this Material 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.