

ADJU-PHOS ®

Version 1.0 Revision Date: 10/03/2019 Product code: AJV3000 Date of last issue: - Print Date : 10/03/2019
 Date of first issue: 10/03/2019

SECTION 1. IDENTIFICATION

Product name : ADJU-PHOS ®

Manufacturer or supplier's details

Company name of supplier : Croda Inc
 Address : 300 A Columbus Circle
 Edison, NJ 08837-3907
 US
 Telephone : (732) 417-0800
 Telefax : (732) 417-0804
 Emergency telephone : USA: 24 Hour Emergency Response Information CHEMTREC
 toll free: 1-800-424-9300; direct/international: 1-703-527-3887.
 CANADA: CANUTEC 1-888-CAN-UTEC (226-8832), 613-996-
 6666 or *666. 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: Suatrans 0800 707 7022 / 0800 707 1767.
 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 Ba-
 kanlığı Ulusal Zehir Merkezi - 114

Recommended use of the chemical and restrictions on use

Recommended use : Adjuvants

SECTION 2. HAZARDS IDENTIFICATION**GHS classification in accordance with 29 CFR 1910.1200**

Not a hazardous substance or mixture.

GHS label elements

Not a hazardous substance or mixture.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous ingredients

Chemical name	CAS-No.	Concentration (% w/w)
aluminium orthophosphate	7784-30-7	>= 1 - < 5

The specific chemical identity and/or exact percentage of composition for one or more ingredients has been withheld as a trade secret.

SECTION 4. FIRST AID MEASURES

If inhaled : If breathed in, move person into fresh air.
 If symptoms persist, call a physician.

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In case of skin contact	:	In case of contact, immediately flush skin with soap and plenty of water. If symptoms persist, call a physician.
In case of eye contact	:	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
If swallowed	:	If large quantities of this material are swallowed, call a physician immediately.
Most important symptoms and effects, both acute and delayed	:	Eye irritation
Notes to physician	:	None known.

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

Flash point	:	No data available
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.
Further information	:	Prevent fire extinguishing water from contaminating surface water or the ground water system. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
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	:	Ensure adequate ventilation. Use personal protective equipment.
Environmental precautions	:	Prevent product from entering drains.
Methods and materials for containment and cleaning up	:	Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.
Advice on safe handling	:	Handle in accordance with good industrial hygiene and safety practice.
Conditions for safe storage	:	Store in original container. Keep container tightly closed in a dry and well-ventilated place.

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Materials to avoid : No special restrictions on storage with other products.

Further information on storage stability : Stable under recommended storage conditions.

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

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
aluminium orthophosphate	7784-30-7	TWA (Respirable fraction)	1 mg/m ³ (Aluminum)	ACGIH

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection

Remarks : For prolonged or repeated contact use protective gloves.
 Eye protection : Safety glasses with side-shields
 Skin and body protection : Impervious clothing

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : gel suspension
 Color : white
 Odor : neutral
 Odor Threshold : No data available
 pH : 6 - 7
 Melting point : No data available
 Freezing point : No data available
 Boiling point : No data available
 Decomposition temperature : > 392 °F / > 200 °C
 Flash point : No data available
 Evaporation rate : No data available
 Flammability (solid, gas) : No data available
 Self-ignition : No data available
 Upper explosion limit / Upper flammability limit : No data available

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Lower explosion limit / Lower flammability limit : No data available

Vapor pressure : No data available

Relative vapor density : No data available

Relative density : No data available

Density : No data available

Solubility(ies)

Water solubility : insoluble

Solubility in other solvents : not determined

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

Autoignition temperature : No data available

Viscosity

Viscosity, dynamic : No data available

Viscosity, kinematic : No data available

Explosive properties : Not applicable

Oxidizing properties : Not applicable

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No data available

Chemical stability : No data available

Possibility of hazardous reactions : Stable under recommended storage conditions.

Conditions to avoid : None known.

Incompatible materials : Strong oxidizing agents

Hazardous decomposition products : Hazardous decomposition products will be formed at elevated temperatures.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity : Assessment: The substance or mixture has no acute oral toxicity
Remarks: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Acute inhalation toxicity : Assessment: The substance or mixture has no acute inhalation toxicity
Remarks: May cause irritation of respiratory tract.

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Acute dermal toxicity : Assessment: The substance or mixture has no acute dermal toxicity

Skin corrosion/irritation**Product:**

Remarks : May cause skin irritation and/or dermatitis.

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

Remarks : May irritate eyes.

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: No data available

STOT-single exposure**Product:**

Assessment : No data available

STOT-repeated exposure**Product:**

Assessment : No data available

Aspiration toxicity**Product:**

No data available

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

Toxicity to fish :
Remarks: None.

Persistence and degradability**Product:**

Biodegradability : Remarks: No data available

Bioaccumulative potential**Product:**

Bioaccumulation : Remarks: No data available

Mobility in soil**Product:**

Distribution among environmental compartments : Remarks: No data available

Other adverse effects**Product:**

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.
Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION**International Regulations****Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

Domestic regulation**Special precautions for user**

Not applicable

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SECTION 15. REGULATORY INFORMATION**EPCRA - Emergency Planning and Community Right-to-Know****SARA 302 Extremely Hazardous Substances Threshold Planning Quantity**

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : No SARA Hazards

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**

Water 7732-18-5

New Jersey Right To Know

Water 7732-18-5
aluminium orthophosphate 7784-30-7

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:

REACH : On the inventory, or in compliance with the 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

PICCS : On the inventory, or in compliance with the inventory

IECSC : On the inventory, or in compliance with the inventory

TCSI : On the inventory, or in compliance with the inventory

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

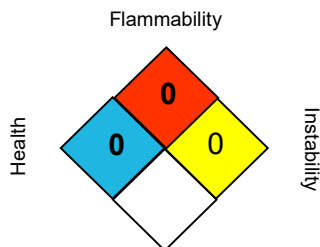
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SECTION 16. OTHER INFORMATION

Further information

NFPA:



HMIS II:

HEALTH	0
FLAMMABILITY	0
Reactivity	0

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

Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)
ACGIH / TWA : 8-hour, time-weighted average

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amend-

SAFETY DATA SHEET

CRODA

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ments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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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.

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