

ZINC PHOSPHATE J0852

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 12/18/2020

 5.0
 10/06/2021
 400000005083
 Date of first issue: 01/24/2017

SECTION 1. IDENTIFICATION

Product name : ZINC PHOSPHATE J0852

Manufacturer or supplier's details

Company name of supplier : Venator Americas LLC

Address : 10001 Woodloch Forest Drive

The Woodlands, TX 77380

United States of America (USA)

Telephone : (001) 844 831 6720 Telefax : (001) 281 465 6731

E-mail address of person responsible for the SDS

: msds@venatorcorp.com

Emergency telephone number : USA & Canada: +1-800-424-9300 Other Americas: +1-703-

741-5970 [CCN 820025]

Recommended use of the chemical and restrictions on use

Recommended use : Industrial use

Colouring agents, pigments

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Short-term (acute) aquatic

hazard

: Category 1

Long-term (chronic) aquatic

hazard

: Category 1

GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements : Prevention:

P273 Avoid release to the environment.

Response:

P391 Collect spillage.

Storage: Not available



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Disposal:

P501 Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

Other hazards

Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance

Components

Chemical name	CAS-No.	Concentration (% w/w)
trizinc bis(orthophosphate)	7779-90-0	90 - 100

The specific chemical identity and/or exact percentage (concentration) of composition may be withheld as a trade secret.

SECTION 4. FIRST AID MEASURES

General advice : Consult a physician.Do not leave the victim unattended.

If inhaled : If breathed in, move person into fresh air.

If unconscious, place in recovery position and seek medical

advice.

If symptoms persist, call a physician.

In case of skin contact : Wash off with soap and water.

Call a physician if irritation develops or persists.

In case of eye contact : Flush eyes with water as a precaution.

Remove contact lenses. Protect unharmed eye.

Keep eye wide open while rinsing.

If eye irritation persists, consult a specialist.

If swallowed : Rinse mouth with water.

If material has been swallowed and the exposed person is

conscious, give small quantities of water to drink. DO NOT induce vomiting unless directed to do so by a

physician or poison control center.

Keep respiratory tract clear.

Never give anything by mouth to an unconscious person.

If symptoms persist, call a physician.

Most important symptoms and effects, both acute and

delayed

: Dust contact with the eyes can lead to mechanical irritation. Inhalation of dust may cause shortness of breath, tightness of

the chest, a sore throat and cough.

The product is not irritant but as with all fine powders can absorb moisture and natural oils from the surface of the skin

during prolonged exposure.



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Individuals with sensitive skin may experience skin drying on

prolonged or repeated exposure.

Protection of first-aiders : No action shall be taken involving any personal risk or without

suitable training.

Notes to physician : Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Use extinguishing measures that are appropriate to local

circumstances and the surrounding environment.

Water spray Foam Dry powder

Carbon dioxide (CO2)

Unsuitable extinguishing

media

High volume water jet

Specific hazards during

firefighting

Cool closed containers exposed to fire with water spray.

Do not allow run-off from fire fighting to enter drains or water

courses.

Hazardous combustion

products

Hazardous combustion products

Specific extinguishing

methods

: Use extinguishing measures that are appropriate to local

circumstances and the surrounding environment.

Further information : Standard procedure for chemical fires.

Collect contaminated fire extinguishing water separately. This

must not be discharged into drains.

Fire residues and contaminated fire extinguishing water must

be disposed of in accordance with local regulations.

Special protective equipment

for firefighters

: 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.

Avoid dust formation.

Remove all sources of ignition.

Never return spills in original containers for re-use.

Treat recovered material as described in the section "Disposal

considerations".

For disposal considerations see section 13.

Environmental precautions : Prevent product from entering drains.

Prevent further leakage or spillage if safe to do so.

If the product contaminates rivers and lakes or drains inform

respective authorities.

Methods and materials for containment and cleaning up

Keep in suitable, closed containers for disposal.

Sweep up or vacuum up spillage and collect in suitable

container for disposal.

Avoid creating dusty conditions and prevent wind dispersal.



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Clean contaminated floors and objects thoroughly while

observing environmental regulations.

SECTION 7. HANDLING AND STORAGE

Advice on protection against :

fire and explosion

Avoid dust formation.

Provide appropriate exhaust ventilation at places where dust

is formed.

Advice on safe handling : Minimize dust generation and accumulation.

Avoid formation of respirable particles.

Avoid inhalation, ingestion and contact with skin and eyes. Avoid exposure - obtain special instructions before use.

For personal protection see section 8.

Smoking, eating and drinking should be prohibited in the

application area.

Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with local and national

regulations.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated

place.

Containers which are opened must be carefully resealed and

kept upright to prevent leakage.

Electrical installations / working materials must comply with

the technological safety standards.

Further information on

storage stability

Keep in a dry place.

No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Engineering measures: Maintain air concentrations below occupational exposure

standards.

Personal protective equipment

Respiratory protection : Use respiratory protection unless adequate local exhaust

ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Hand protection

Remarks : For prolonged or repeated contact use protective gloves.

The suitability for a specific workplace should be discussed

with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water

Tightly fitting safety goggles

Skin and body protection : Personal protective equipment for the body should be

selected based on the task being performed and the risks involved and should be approved by a specialist before

handling this product.

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Protective measures : Wear suitable protective equipment.

Hygiene measures : Wash hands before breaks and immediately after handling

the product.



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Remove contaminated clothing and protective equipment

before entering eating areas.

Barrier creams may help to protect the exposed areas of skin, they should however not be applied once exposure has

occurred.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : powder
Colour : white
Odour : odourless

Odour Threshold : No data is available on the product itself.

pH : 6 - 8Concentration: 10 %

Melting point : $> 1,832 \, ^{\circ}\text{F} / > 1,000 \, ^{\circ}\text{C}$

Boiling point : No data is available on the product itself. Flash point : No data is available on the product itself.

Evaporation rate : No data is available on the product itself.

Flammability (solid, gas) : No data is available on the product itself.

Flammability (liquids) : No data is available on the product itself.

Upper explosion limit / Upper

flammability limit

: No data is available on the product itself.

Lower explosion limit / Lower

flammability limit

: No data is available on the product itself.

Vapour pressure : No data is available on the product itself.

Relative vapour density : No data is available on the product itself.

Relative density : No data is available on the product itself.

Density : No data is available on the product itself.

Solubility(ies)

Water solubility : slightly soluble

Solubility in other solvents : No data is available on the product itself.

Partition coefficient: n-

octanol/water

: No data is available on the product itself.

Auto-ignition temperature : No data is available on the product itself.

Thermal decomposition : No data is available on the product itself.

Viscosity : No data is available on the product itself.

Explosive properties : No data is available on the product itself.



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Oxidizing properties : No data is available on the product itself.

Particle size : No data is available on the product itself.

SECTION 10. STABILITY AND REACTIVITY

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

Chemical stability : The product is chemically stable.

Possibility of hazardous : Stable under recommended storage conditions.

reactions No hazards to be specially mentioned.

Conditions to avoid : No data available Incompatible materials : None known.

Hazardous decomposition : No dec

products

No decomposition if stored and applied as directed.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of : No data is available on the product itself.

exposure

Acute toxicity

<u>Components:</u> trizinc bis(orthophosphate):

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

toxicityComponents Method: OECD Test Guideline 401

Components:

trizinc bis(orthophosphate):

Acute inhalation toxicity : LC50 (Rat, male and female): > 5,410 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Method: OECD Test Guideline 403

Acute dermal toxicity : No data available

Acute toxicity (other routes of

administration)

: No data available

Skin corrosion/irritation

Components:

trizinc bis(orthophosphate):

Species: Rabbit

Result: No skin irritation

Serious eye damage/eye irritation

Components:



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trizinc bis(orthophosphate):

Species: Rabbit

Result: No eye irritation

Method: OECD Test Guideline 405

Respiratory or skin sensitisation

Components:

trizinc bis(orthophosphate): Exposure routes: Skin Species: Guinea pig Method: Maximisation Test Result: Not a skin sensitizer.

Assessment: No data available

Germ cell mutagenicity

Components:

trizinc bis(orthophosphate):

Genotoxicity in vitro : Test system: mouse lymphoma cells

Result: negative

Components:

trizinc bis(orthophosphate):

Genotoxicity in vivo : Test Type: Micronucleus test

Species: Mouse (male and female)

Exposure time: 30 h

Method: Mutagenicity (in vivo mammalian bone-marrow

cytogenetic test, chromosomal analysis)

Result: negative

Carcinogenicity

Components:

trizinc bis(orthophosphate):

Species: Mouse, male and female

Activity duration: 1 yr NOAEL: > 22,000

Carcinogenicity - Assessment

: No data available

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed

human carcinogen by IARC.

ACGIH No component of this product present at levels greater than or

equal to 0.1% is identified as a carcinogen or potential

carcinogen by ACGIH.

OSHANo component of this product present at levels greater than or

equal to 0.1% is on OSHA's list of regulated carcinogens.



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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.

Reproductive toxicity

Components:

trizinc bis(orthophosphate):

Effects on fertility : Species: Rat, male and female Frequency of Treatment: 140 daily

General Toxicity - Parent: No observed adverse effect level:

7.5 mg/kg body weight

Method: OECD Test Guideline 416

Result: negative

Components:

trizinc bis(orthophosphate):

Effects on foetal

development

: Species: Other, female

Teratogenicity: No observed adverse effect level: 88 mg/kg

body weight

Result: No teratogenic effects

Reproductive toxicity -

Assessment

: No data available

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Repeated dose toxicity

Components:

trizinc bis(orthophosphate): Species: Rat, male and female

NOEL: 234 mg/kg Application Route: Oral Exposure time: 13 w

Method: OECD Test Guideline 408

Species: Rat, male

Application Route: Inhalation

Exposure time: 16 w

Remarks: No adverse effect has been observed in chronic toxicity tests.

Repeated dose toxicity -

: No data available

Assessment

Aspiration toxicity

No data available



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Experience with human exposure

General Information: No data available

Inhalation: No data available

Skin contact: No data available

Eye contact: No data available

Ingestion: No data available

Toxicology, Metabolism, Distribution

No data available

Neurological effects

No data available

Further information

Product:

Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxicity to fish - Product : LC50 (Oncorhynchus mykiss (rainbow trout)): 0.14 - 0.26 mg/l

Exposure time: 96 h

Toxicity to daphnia and other

aquatic invertebrates -

Product

: EC50 (Daphnia magna (Water flea)): 0.04 - 0.86 mg/l

Exposure time: 48 h

Toxicity to algae/aquatic

plants - Product

: EC50 (Selenastrum capricornutum (green algae)): 0.136 -

0.150 mg/l

Exposure time: 72 h

Components:

trizinc bis(orthophosphate):

M-Factor (Acute aquatic

toxicity)

: 1

, ,

1

Components:

trizinc bis(orthophosphate):

Toxicity to fish (Chronic

toxicity)

: NOEC (Oncorhynchus mykiss (rainbow trout)): 0.44 mg/l

Exposure time: 72 d



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Components:

trizinc bis(orthophosphate):

Toxicity to daphnia and other aquatic invertebrates

(Chronic toxicity)

: NOEC (Daphnia magna (Water flea)): 0.031 - 0.208 mg/l

Exposure time: 50 d

Components:

trizinc bis(orthophosphate): M-Factor (Chronic aquatic

toxicity)

1

Components:

trizinc bis(orthophosphate):

Toxicity to microorganisms : EC50 (activated sludge): 5.2 mg/l

Exposure time: 3 h

Method: OECD Test Guideline 209

: NOEC (Other): 850 mg/l Exposure time: 56 d

Toxicity to soil dwelling

organisms

: No data available

Plant toxicity : No data available

Sediment toxicity : No data available

Toxicity to terrestrial

organisms

: No data available

Ecotoxicology Assessment

Components:

trizinc bis(orthophosphate):

Acute aquatic toxicity : Very toxic to aquatic life.

Components:

trizinc bis(orthophosphate):

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

Toxicity Data on Soil : No data available

Other organisms relevant to

the environment

: No data available

Persistence and degradability

Biodegradability - Product : Result: No data available

Biochemical Oxygen

Demand (BOD)

: No data available

Chemical Oxygen Demand : No data available



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(COD)

BOD/COD : No data available

ThOD : No data available

BOD/ThOD : No data available

Dissolved organic carbon

(DOC)

: No data available

Physico-chemical

removability

: No data available

Stability in water : No data available

Photodegradation : No data available

Impact on Sewage

Treatment

: No data available

Bioaccumulative potential

Bioaccumulation - Product : Remarks: No data available

Partition coefficient: n-

octanol/water

: No data available

Mobility in soil

Mobility : No data available

Distribution among

environmental compartments

: No data available

Stability in soil : No data available

Other adverse effects

Environmental fate and

pathways

: No data available

Results of PBT and vPvB assessment - Product

Endocrine disrupting

potential

: Remarks: No data available

: No data available

Adsorbed organic bound

halogens (AOX)

: No data available

Hazardous to the ozone layer

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82

Protection of Stratospheric Ozone - CAA Section 602 Class I

Substances

Remarks: This product neither contains, nor was



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manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A +

B).

Additional ecological

information - Product

: An environmental hazard cannot be excluded in the event of

unprofessional handling or disposal.

Very toxic to aquatic life with long lasting effects.

Global warming potential : No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : The product should not be allowed to enter drains, water

courses or the soil.

Do not contaminate ponds, waterways or ditches with

chemical or used container.

Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.

Dispose of as unused product. Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

UN number : UN 3077

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,

N.O.S.

956

(TRIZINC BIS(ORTHOPHOSPHATE))

Class : 9
Packing group : III
Labels : 9

IATA-DGR

UN/ID No. : UN 3077

Proper shipping name : Environmentally hazardous substance, solid, n.o.s.

(TRIZINC BIS(ORTHOPHOSPHATE))

Class : 9 Packing group : III

Labels : Miscellaneous

Packing instruction (cargo

aircraft)

Packing instruction : 956

(passenger aircraft)

Environmentally hazardous : yes

IMDG-Code

UN number : UN 3077



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Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,

N.O.S

(TRIZINC BIS(ORTHOPHOSPHATE))

Class : 9
Packing group : III
Labels : 9
EmS Code : F-A, S-F
Marine pollutant : yes

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

Not applicable for product as supplied.

National Regulations

49 CFR

UN/ID/NA number : UN 3077

Proper shipping name : Environmentally hazardous substances, solid, n.o.s.

(TRIZINC BIS(ORTHOPHOSPHATE))

Class : 9
Packing group : III
Labels : CLASS 9
ERG Code : 171

Marine pollutant : yes(TRIZINC BIS(ORTHOPHOSPHATE))

Remarks : Shipment by ground under DOT is non-regulated; however it

may be shipped per the applicable hazard classification to facilitate multi-modal transport involving ICAO (IATA) or IMO.

Special precautions for user

Remarks : 49CFR: no dangerous good in non-bulk packaging

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

SECTION 15. REGULATORY INFORMATION

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 313 : The following components are subject to reporting levels

established by SARA Title III, Section 313:

trizinc bis(orthophosphate) 7779-90-0 >= 90 - <= 100

%

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

California Prop. 65

WARNING: This product can expose you to chemicals including Arsenic (As), Cadmium (Cd), Chromium VI (Cr6+), Cobalt (Co), Lead (Pb), Mercury (Hg) and Nickel (Ni), present as trace impurities and not intentionally added, which is/are known to the State of California to cause



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cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov .

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

CH INV : On the inventory, or in compliance with the inventory DSL All components of this product are on the Canadian DSL **AIIC** On the inventory, or in compliance with the inventory : On the inventory, or in compliance with the inventory **NZIoC ENCS** : On the inventory, or in compliance with the inventory : On the inventory, or in compliance with the inventory KECI **PICCS** On the inventory, or in compliance with the inventory : On the inventory, or in compliance with the inventory **IECSC** TCSI : On the inventory, or in compliance with the inventory **TSCA** : All substances listed as active on the TSCA inventory

Inventories

AIIC (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TECI (Thailand), TSCA (USA)

TSCA - 5(a) Significant New Use Rule List of Chemicals

No substances are subject to a Significant New Use Rule.

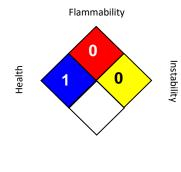
US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)

No substances are subject to TSCA 12(b) export notification requirements.

SECTION 16. OTHER INFORMATION

Further information

NFPA 704:



Special hazard

HMIS® IV:



HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard

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



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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.

LABEL CODE: 0014

Sources of key data used to compile the Safety Data

Sheet

: Information taken from reference works and the literature.,

Information derived from practical experience.

Revision Date : 10/06/2021

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