

# **LITHOPONE 30 % DS**

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 Revision Date:
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 Date of last issue: 01/11/2018

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 400000000829
 Date of first issue: 12/29/2016

#### **SECTION 1. IDENTIFICATION**

Product name : LITHOPONE 30 % DS

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 : Additive

Colouring agents, pigments

Fillers

Restrictions on use : Do not use for cosmetics, food additives, drug additives, feed

additives or permanent implant applications., Due to lack of related experience or data, the supplier cannot approve this

use.

#### **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

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 : Mixture

Chemical nature : inorganic

# **Hazardous components**



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Chemical name	CAS-No.	Concentration (% w/w)
barium sulfate	7727-43-7	60 - 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.

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

Get medical attention if symptoms occur.

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

Call a physician if irritation develops or persists.

In case of eye contact : Rinse with water.

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. If symptoms persist, call a physician.

Most important symptoms and effects, both acute and

delayed

: Eye contact

Dust contact with the eyes can lead to mechanical irritation.

Inhalation may provoke the following symptoms:

Symptoms of Overexposure

Inhalation of dust may cause shortness of breath, tightness of

the chest, a sore throat and cough.

Skin contact may provoke the following symptoms: 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.

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 : No specific measures identified.

## **SECTION 5. FIREFIGHTING MEASURES**

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

circumstances and the surrounding environment.

Water spray

Foam



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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.

Hazardous combustion

products

: Sulphur oxides

Metal oxides

Specific extinguishing

methods

: Use extinguishing measures that are appropriate to local

circumstances and the surrounding environment.

Further information : Standard procedure for chemical fires.

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

: No special environmental precautions required.

Local authorities should be advised if significant spillages

cannot be contained.

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. 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.



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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.

Observe label precautions.

Electrical installations / working materials must comply with the

technological safety standards.

Further information on storage stability

Keep in a dry place.

#### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
barium sulfate	7727-43-7	TWA (total dust)	15 mg/m3	OSHA Z-1
		TWA (respirable fraction)	5 mg/m3	OSHA Z-1
		TWA (Inhalable fraction)	5 mg/m3	ACGIH

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.

Eye protection : Safety glasses

Ensure that eyewash stations and safety showers are close

to the workstation location.

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.

Protective measures : The type of protective equipment must be selected according



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to the concentration and amount of the dangerous substance

at the specific workplace.

Ensure that eye flushing systems and safety showers are

located close to the working place.

Hygiene measures : Wash hands before breaks and immediately after handling

the product.

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 : none

Odour Threshold : Not relevant

pH : ca. 7

Melting point/range : > 800 °C

Boiling point/boiling range : Not applicable

Flash point : Not applicable

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.

Burning rate

Upper explosion limit / Upper :

flammability limit

Not combustible.

No data is available on the product itself.

Lower explosion limit / Lower

flammability limit

: No data is available on the product itself.

Vapour pressure : Not applicable

Relative vapour density : Not applicable

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

Density : ca. 4.3 g/cm3

Solubility(ies)



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Water solubility : < 0.01 g/l

Solubility in other solvents

Partition coefficient: n-

octanol/water

Auto-ignition temperature

: < 0.01 g/l

Thermal decomposition No data is available on the product itself.

Self-Accelerating

decomposition temperature

(SADT)

No data is available on the product itself.

: The product itself does not burn.

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.

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 No decomposition if stored and applied as directed.

Possibility of hazardous

reactions

None known. Stable under recommended storage conditions.

Conditions to avoid : Do not expose to temperatures above: > 800 °C

pH < 5

Incompatible materials Strong reducing agents

Acids

Hazardous decomposition

products

Sulphur oxides

Metal oxides

Hydrogen sulphide

## **SECTION 11. TOXICOLOGICAL INFORMATION**

exposure

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

Acute toxicity

Components:

barium sulfate:

: LD50 (Rat, male): > 5,000 mg/kg Acute oral Method: OECD Test Guideline 401 toxicityComponents

Acute inhalation toxicity : No data available



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Acute dermal toxicity : No data available

Acute toxicity (other routes of : No data available

administration)

#### Skin corrosion/irritation

#### Components:

barium sulfate: Species: human skin Result: No skin irritation

## Serious eye damage/eye irritation

#### Components:

barium sulfate: Species: Rabbit

Result: No eye irritation

Method: OECD Test Guideline 405

## Respiratory or skin sensitisation

#### **Product:**

Remarks: Not classified due to data which are conclusive although insufficient for classification.

Assessment: No skin irritation. No eye irritation

Does not cause respiratory sensitisation.

## Germ cell mutagenicity

#### Components:

barium sulfate:

Genotoxicity in vitro : Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 476

Result: negative

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 471

Result: negative

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 473

Result: negative

: No data available Genotoxicity in vivo

# **Product:**

Germ cell mutagenicity-

Assessment

: Weight of evidence does not support classification as a germ

cell mutagen.

## Carcinogenicity

## Components:



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barium sulfate:

Species: Rat, (male and female)

Application Route: Oral Exposure time: 104 weeks Dose: 60 - 75 mg/kg Method: OPPTS 870.4200

Result: negative

Species: Mouse, (male and female)

Application Route: Oral Dose: 160 - 200 mg/kg Method: OPPTS 870.4200

Result: negative

**Product:** 

Carcinogenicity - : Not classifiable as a human carcinogen.

Assessment

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.

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

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

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

Effects on fertility : No data available

Effects on foetal development

: No data available

**Product:** 

Reproductive toxicity - : No toxicity to reproduction
Assessment : No effects on or via lactation

STOT - single exposure

**Product:** 

Assessment: The substance or mixture is not classified as specific target organ toxicant, single

exposure.

STOT - repeated exposure

Product:

Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.



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## Repeated dose toxicity

# **Components:**

barium sulfate: Species: Rat

NOAEL: >= 104 mg/kg Application Route: Ingestion

Species: Rat

Application Route: Inhalation

Exposure time: 5 h Number of exposures: 5 d

Remarks: No significant adverse effects were reported

Repeated dose toxicity - : No skin irritation, No eye irritation

Assessment No adverse effect has been observed in chronic toxicity tests.

## Aspiration toxicity

No data available

## 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**

Ingestion: No data available



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## **SECTION 12. ECOLOGICAL INFORMATION**

## **Ecotoxicity**

## Components:

barium sulfate:

Toxicity to fish : LC50:

Exposure time: 96 h
Test Type: static test

Test substance: Fresh water Method: OECD Test Guideline 203

Remarks: No toxicity at the limit of solubility

## Components:

barium sulfate:

Toxicity to daphnia and other

aquatic invertebrates

: LC50 (Daphnia magna (Water flea)):

Exposure time: 48 h Test Type: static test

Test substance: Fresh water Method: OECD Test Guideline 202

Remarks: No toxicity at the limit of solubility

## Components:

barium sulfate:

Toxicity to algae : EC50:

Exposure time: 72 h Test Type: static test

Test substance: Fresh water Method: OECD Test Guideline 201

Remarks: No toxicity at the limit of solubility

M-Factor (Acute aquatic

toxicity)

: No data available

Toxicity to fish (Chronic

toxicity)

: No data available

## Components:

barium sulfate:

Toxicity to daphnia and other

aquatic invertebrates (Chronic toxicity)

: NOEC (Daphnia magna (Water flea)):

Exposure time: 21 d
Test Type: semi-static test
Test substance: Fresh water
Method: OECD Test Guideline 211

Remarks: No toxicity at the limit of solubility

M-Factor (Chronic aquatic

toxicity)

: No data available

Toxicity to microorganisms : No data available

Toxicity to soil dwelling

organisms

: No data available



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Plant toxicity : No data available

Sediment toxicity : No data available

Toxicity to terrestrial

organisms

: No data available

**Ecotoxicology Assessment** 

Acute aquatic toxicity : No data available

Chronic aquatic toxicity : No data available

Toxicity Data on Soil : No data available

Other organisms relevant to

the environment

: No data available

Persistence and degradability

Biodegradability - Product : Remarks: The methods for determining the biological

degradability are not applicable to inorganic substances.

Biochemical Oxygen

Demand (BOD)

: No data available

Chemical Oxygen Demand

(COD)

: No data available

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: Bioaccumulation is unlikely.

Partition coefficient: n-

octanol/water

: No data available



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Mobility in soil

Mobility : No data available

Distribution among

environmental compartments

Stability in soil : No data available

Other adverse effects

Environmental fate and

pathways

: No data available

: No data available

Results of PBT and vPvB

assessment

No data available

Endocrine disrupting

potential

: 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

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

: No data available

Global warming potential

(GWP)

: No data available

## **SECTION 13. DISPOSAL CONSIDERATIONS**

Disposal methods

Waste from residues : Do not dispose of waste into sewer.

Do not contaminate ponds, waterways or ditches with

chemical or used container.

Dispose of wastes in an approved waste disposal facility.

Contaminated packaging : Empty remaining contents.

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



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#### **SECTION 14. TRANSPORT INFORMATION**

## International Regulations

#### **IATA**

Not regulated as dangerous goods

#### **IMDG**

Not regulated as dangerous goods

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

Not applicable for product as supplied.

#### **National Regulations**

## **DOT Classification**

Not regulated as dangerous goods

## **SECTION 15. REGULATORY INFORMATION**

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

SARA 311/312 Hazards : No SARA Hazards

SARA 313 : The following components are subject to reporting levels

established by SARA Title III, Section 313:

zinc sulphide 1314-98-3 30 %

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

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:

CH INV : 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 **NZloC** On the inventory, or in compliance with the inventory 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 IECSC** : On the inventory, or in compliance with the inventory : On the inventory, or in compliance with the inventory TCSI **TSCA** : On the inventory, or in compliance with the inventory



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#### **Inventories**

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

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

No substances are subject to a Significant New Use Rule.

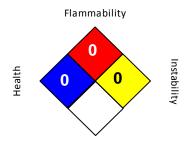
# US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)

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

#### **SECTION 16. OTHER INFORMATION**

#### **Further information**

#### NFPA:



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 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.

Sources of key data used to compile the Safety Data

: Information taken from reference works and the literature.,

Information derived from practical experience.

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ACGIH : USA. ACGIH Threshold Limit Values (TLV)

OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1

Limits for Air Contaminants

ACGIH / TWA : 8-hour, time-weighted average OSHA Z-1 / TWA : 8-hour time weighted average



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THE PRODUCT MAY PRESENT HAZARDS AND SHOULD BE USED WITH CAUTION. WHILE CERTAIN HAZARDS ARE DESCRIBED IN THIS PUBLICATION, NO GUARANTEE IS MADE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.

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