

MATERIAL SAFETY DATASHEET

WATER-TITE CONCENTRATE

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND COMPANY/UNDERTAKING

PRODUCT NAME: **WATER-TITE CONCENTRATE**
SUPPLIER: AZUL HOLDINGS BUSINESS TRUST
401 RYLAND STREET, SUITE 200A
RENO, NEVADA 89502
USA
Email: info@azul-holdings.com
Website: <http://www.azul-holdings.com/>

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPOSITION COMMENTS

Chemical characterization of the substance: Calcium soap of stearic acid.

REGISTRATION NUMBER

Not subject to registration.

APPLICATION OF THE SUBSTANCE/PREPARATION

Lubricant, hydrophobing agent/water repellent and stabilizer.

3. HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Classification according to Regulation (EC) No 1272/2008: The substance is not classified according to the CLP regulation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC is not applicable.

Information concerning particular hazards for human and environment: According to current European laws and regulations the product is not dangerous or toxic material (based on the available data).

Classification system: The classification was made according to the latest editions of the EC-lists and expanded using company data and specialized literature.

Label elements and other hazards are not applicable.

4. FIRST-AID MEASURES

GENERAL INFORMATION

If symptoms persist or in case of doubt, seek medical advice.

INHALATION

Supply fresh air and consult a doctor in case of pain.

INGESTION

Rinse mouth thoroughly and then drink plenty of water. Get medical attention if any discomfort continues.

SKIN CONTACT

Wash skin with soap and water and rinse it with plenty of water. Generally the product does not irritate the skin.

EYE CONTACT

Rinse opened eyes for several minutes under running water. Contact physician if discomfort continues.

INFORMATION FOR DOCTOR

Symptomatic treatment is recommended for immediate medical attention.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Use fire fighting measures that suit the environment.

Water jet spray, foam, carbon dioxide (CO₂), sand and fire-extinguishing powder.

For safety reason high volume water jet is unsuitable extinguishing agent.

SPECIAL HAZARDS IN FIRE

In case of fire, the following can be released: Carbon monoxide (CO), carbon dioxide (CO₂) and Calcium oxide (CaO).

ADVICE FOR FIRE-FIGHTERS

Wear self-contained respiratory protective device.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Avoid formation of dust.

Ensure adequate ventilation.

Wear protective clothing.

Keep away from ignition sources.

For more information on personal protection equipment see section 8.

ENVIRONMENTAL PRECAUTIONS

Do not allow product to reach sewage system or any water course.

SPILL CLEAN UP METHODS

Collect mechanically.

Avoid any dust formation. Pick up with tested and approved industrial vacuum cleaner if necessary.

Ensure adequate ventilation.

Make sure to recycle or dispose of in suitable receptacles.

For more information on disposal see section 13.

7. HANDLING AND STORAGE

USAGE PRECAUTIONS

Prevent formation of dust.

Any deposit of dust which cannot be avoided must be regularly removed.

Ensure good ventilation/exhaustion at the workplace.

Avoid inhalation of dust.

Dust can combine with air to form an explosive mixture.

Keep ignition sources away. Do not smoke.

Protect against electrostatic charges.

STORAGE PRECAUTIONS

Store at ambient temperatures and at dry conditions.

Store away from feed and foodstuffs.

Do not store together with oxidizing and acidic materials.

Do not store together with alkalis (caustic solutions).

Protect from heat (steam pipes, radiators etc.), open flames, other ignition sources and direct sunlight.

Storage class: 11 Combustible solids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

Observe general threshold limit for dust otherwise no further monitoring at the workplace is required.

RESPIRATORY EQUIPMENT

Not necessary if room is well-ventilated.

At formation of dust: Filter P1.

HAND PROTECTION

Chemical resistant gloves.

To avoid skin problems reduce the wearing of gloves to the required minimum.

Check protective gloves prior to each use for their proper condition.

Prior to contact with the water-insoluble substance/product/preparation apply water-soluble skin-protecting agent (fat-free film former or O/W-emulsions).

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

For un-dissolved solid substances following materials may be suitable: nitrile rubber (NBR), butyl rubber (BR), poly-chloroprene rubber (CR) and fluorocarbon rubber (FKM).

The exact penetration time of glove has to be found out by the manufacturer of the protective gloves and has to be observed.

EYE PROTECTION

At formation of dust or insufficient ventilation wear tightly sealed goggles.

BODY PROTECTION

Protective work clothing.

HYGIENE MEASURES

The usual precautionary measures should be adhered to when handling chemicals.

Vacuum clean contaminated clothing. Do not blow or brush off contamination. Wash hands before breaks and at the end of work.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Powder, granulate.
COLOUR:	Whitish
ODOUR:	Weak, characteristic.
PH-VALUE:	7-7.5 (0.002 g/l at 20°C)
SOLUBILITY:	Miscible with water.
BOILING POINT/RANGE (°C):	Not determined
MELTING POINT/RANGE (°C):	~ 150°C
FLASH POINT (°C):	Not applicable
FLAMMABILITY:	Product is not flammable.
DANGER OF EXPLOSION:	Product is not explosive. However, formation of explosive air/dust mixtures is possible.
EXPLOSION LIMITS (LOWER):	30 g/m ³ (VDI 2263)
DENSITY AT 20°C:	1.03 g/cm ³ (OECD 109)
SOLUBILITY/MISCIBILITY:	2.2 mg/l (in/with water at 20°C)
OTHER SOLUBILITY:	Soluble in most organic solvents.
SEGREGATION COEFFICIENT:	0.8 log POW (OECD 107) – (n-octanol/water)

10. STABILITY AND REACTIVITY

STABILITY

No decomposition if used and stored according to specifications.

To avoid thermal decomposition do not overheat.

Risk of dust explosion.

Incompatible materials: strong oxidants, mineral acids, alkalis, organic acids (e.g. acetic acid, citronic acid).

HAZARDOUS DECOMPOSITION PRODUCTS

No hazardous decomposition products, if instructions for storage and handling are followed.

11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION

LD/LC50 values that are relevant for classification: Oral LD₅₀ > 10000 mg/kg (rat).

SKIN CONTACT

No irritating effect.

EYE CONTACT

No irritating effect.

SENSITIZATION

Not sensitizing (Human Patch Test).

ASPIRATION HAZARD

Not relevant.

ADDITIONAL TOXICOLOGICAL INFORMATION

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

The substance is not subject to classification according to the latest version of the EU lists.

12. ECOLOGICAL INFORMATION

TOXICITY

Aquatic toxicity: NOEC 2.2 mg/l (leuciscus idus).

Other information: biodegradation 95% after 28 days (OECD guide line 301D).

ECOTOXICITY

No ecological studies are available.

WATER HAZARD CLASSIFICATION

Generally not hazardous for water.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Dispose of waste and residues according to instructions of local authorities.

For un-cleaned packagings, disposal must be made according to official regulations.

14. TRANSPORT INFORMATION

GENERAL

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID, ADN) and hence is not dangerous according to these specifications.

15. REGULATORY INFORMATION

RISK PHRASES

Not classified.

OTHER ASSESSMENT

A chemical safety assessment has not been carried out.

16. OTHER INFORMATION

GENERAL INFORMATION

This information is based on our present knowledge. However, it shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

REVISION DATE: April/2015

ABBREVIATIONS AND ACRONYMS

ADR: European agreement concerning the international carriage of dangerous goods by road.

RID: Regulations concerning the international transport of dangerous goods by rail.

IMDG: International maritime code for dangerous goods.

IATA: International air transport association.

ICAO: International civil aviation organization.

GHS: Globally harmonized system of classification and labeling of chemicals.

EINECS: European inventory of existing commercial chemical substances.

CAS: Chemical abstracts service.

LC50: Lethal concentration, 50 percent.

LD50: Lethal dose, 50 percent.

Source: ESIS (European existing substances information system).