

**OCTOSPERSE 428**

Version 1.0      Revision Date: 08/25/2015      MSDS Number: F000000617      Date of last issue: -  
Date of first issue: 08/25/2015

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**SECTION 1. IDENTIFICATION**

Product name : OCTOSPERSE 428

Product code : F000000617

**Manufacturer or supplier's details**

Company name of supplier : Tiarco Chemical Company

Address : 1300 Tiarco Drive  
Dalton GA 30721

Emergency telephone number : (CHEMTREC): (800) 424-9300 (CHEMTREC International):  
(703) 527-3887 Industrial Health/Spill Emergency: (706) 277-1300 Danny Welch (ehs@trcc.com)

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

Acute toxicity (Oral) : Category 3

**GHS Label element**

Hazard pictograms :



Signal word : Danger

Hazard statements : H301 Toxic if swallowed.

Precautionary statements : **Prevention:**  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
**Response:**  
P301 + P310 + P330 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician. Rinse mouth.  
**Storage:**  
P405 Store locked up.  
**Disposal:**  
P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

None known.

**OCTOSPERSE 428**

Version 1.0      Revision Date: 08/25/2015      MSDS Number: F000000617      Date of last issue: -  
Date of first issue: 08/25/2015

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

Chemical Name	CAS-No.	Concentration (%)
disodium hexafluorosilicate	16893-85-9	>= 55.0 - <= 65.0

**SECTION 4. FIRST AID MEASURES**

- If inhaled : Move to fresh air in case of accidental inhalation of vapours. Oxygen or artificial respiration if needed. Call a physician or poison control centre immediately.
- In case of skin contact : Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.
- In case of eye contact : In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Seek medical advice.
- If swallowed : Do not induce vomiting without medical advice. If conscious, drink plenty of water. Never give anything by mouth to an unconscious person.
- Most important symptoms and effects, both acute and delayed : None known.

**SECTION 5. FIREFIGHTING MEASURES**

- Suitable extinguishing media : Foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical  
Water mist
- Specific hazards during fire-fighting : Burning produces irritant fumes. Exposure to decomposition products may be a hazard to health. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.
- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

**OCTOSPERSE 428**

Version	Revision Date:	MSDS Number:	Date of last issue: -
1.0	08/25/2015	F00000617	Date of first issue: 08/25/2015

---

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. Exposure to decomposition products may be a hazard to health.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment. Ensure adequate ventilation. Material can create slippery conditions. Use non-slip safety shoes in areas where spills or leaks can occur.

Environmental precautions : Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Do not allow contact with soil, surface or ground water. Do not allow uncontrolled discharge of product into the environment.

Methods and materials for containment and cleaning up : Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel. Pick up and transfer to properly labelled containers. Clean contaminated floors and objects thoroughly while observing environmental regulations.

**SECTION 7. HANDLING AND STORAGE**

Advice on protection against fire and explosion : The product is not flammable.

Advice on safe handling : Wear personal protective equipment. Handle with care. Take care to avoid waste and spillage when weighing, loading and mixing the product.

Conditions for safe storage : No smoking. Keep in properly labelled containers. Observe label precautions. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep only in the original container in a cool, well ventilated place away from acids. Keep only in the original container in a cool, well ventilated place away from bases.

Materials to avoid : Do not freeze. Keep away from food and drink. Keep away from tobacco products.

**OCTOSPERSE 428**

Version	Revision Date:	MSDS Number:	Date of last issue: -
1.0	08/25/2015	F00000617	Date of first issue: 08/25/2015

---

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

Contains no substances with occupational exposure limit values.

**Engineering measures** : Handle only in a place equipped with local exhaust (or other appropriate exhaust).  
Maintain air concentrations below occupational exposure standards.

**Personal protective equipment**

**Respiratory protection** : No personal respiratory protective equipment normally required.  
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.  
Use NIOSH approved respiratory protection.

**Hand protection**  
Material : Impervious gloves

**Eye protection** : Safety glasses with side-shields  
Tightly fitting safety goggles  
Face-shield

**Skin and body protection** : Chemical resistant apron  
Footwear protecting against chemicals  
Skin should be washed after contact.  
Change working clothes after each workshift.

**Protective measures** : Avoid contact with skin.  
When using do not eat, drink or smoke.  
Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing  
The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Hygiene measures** : Do not smoke.  
Keep away from food and drink.  
Avoid contact with skin, eyes and clothing.  
Change working clothes after each workshift.  
Remove and wash contaminated clothing and gloves, including the inside, before re-use.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance** : viscous, liquid

# SAFETY DATA SHEET



## OCTOSPERSE 428

Version 1.0	Revision Date: 08/25/2015	MSDS Number: F000000617	Date of last issue: - Date of first issue: 08/25/2015
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Colour	: beige, grey
Odour	: characteristic
pH	: 3.5 - 6.5
Melting point/range	: No data available
Boiling point/boiling range	: > 200 °F
Flash point	: > 200 °F
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: No data available
Relative density	: No data available
Density	: 1,500 kg/m <sup>3</sup>
Solubility(ies)	
Water solubility	: insoluble
Solubility in other solvents	: not determined
Partition coefficient: n-octanol/water	: No data available

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### SECTION 10. STABILITY AND REACTIVITY

Reactivity	: Stable
Possibility of hazardous reactions	: Stable under recommended storage conditions.
Conditions to avoid	: Protect from frost. Heat, flames and sparks.
Incompatible materials	: Oxidizing agents Strong acids and strong bases
Hazardous decomposition products	: Carbon dioxide (CO <sub>2</sub> ), carbon monoxide (CO), oxides of nitrogen (NO <sub>x</sub> ), dense black smoke.

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### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

**OCTOSPERSE 428**

Version	Revision Date:	MSDS Number:	Date of last issue: -
1.0	08/25/2015	F000000617	Date of first issue: 08/25/2015

---

**Product:**

Acute oral toxicity : LD50 Oral (Rat): 125 mg/kg  
The value is given in analogy to the following substances:  
SODIUM SILICAFLUORIDE

Acute inhalation toxicity : LC50 (Rat): 33 mg/l  
Exposure time: 6 h  
The value is given in analogy to the following substances:  
SODIUM SILICAFLUORIDE

Acute dermal toxicity : Remarks: This information is not available.

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

Remarks: Moderate skin irritation

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

Remarks: Moderate eye irritation

**Respiratory or skin sensitisation****Product:**

Remarks: This information is not available.

**Carcinogenicity****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.

**OSHA**

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**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.

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

Toxicity to fish :  
Remarks: No data available

Toxicity to daphnia and other :

# SAFETY DATA SHEET



## OCTOSPERSE 428

Version 1.0      Revision Date: 08/25/2015      MSDS Number: F000000617      Date of last issue: -  
Date of first issue: 08/25/2015

---

aquatic invertebrates      Remarks: No data available

Toxicity to algae      :  
Remarks: No data available

### **Persistence and degradability**

No data available

### **Bioaccumulative potential**

No data available

### **Mobility in soil**

No data available

### **Other adverse effects**

No data available

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## SECTION 13. DISPOSAL CONSIDERATIONS

### **Disposal methods**

Waste from residues      : Do not dispose of waste into sewer.  
Dispose of in accordance with local regulations.  
Can be landfilled or incinerated, when in compliance with local regulations.

Contaminated packaging      : Clean container with water.  
Empty containers should be taken to an approved waste handling site for recycling or disposal.

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## SECTION 14. TRANSPORT INFORMATION

### **International Regulation**

#### **IMDG-Code**

UN number      : UN 3287  
Proper shipping name      : TOXIC LIQUID, INORGANIC, N.O.S.

Class      : 6.1  
Packing group      : III  
Labels      : 6.1  
EmS Code      : F-A, S-A  
Marine pollutant      : no

### **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 3287  
Proper shipping name      : TOXIC LIQUID, INORGANIC, N.O.S.

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## OCTOSPERSE 428

Version 1.0      Revision Date: 08/25/2015      MSDS Number: F000000617      Date of last issue: -  
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(SODIUM SILICA FLUORIDE)  
Class : 6.1  
Packing group : III  
Labels : TOXIC  
ERG Code : 151  
Marine pollutant : no

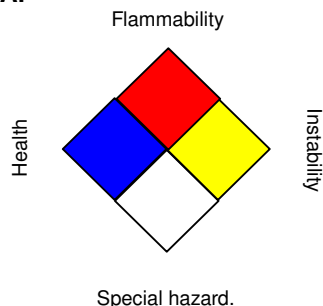
## SECTION 15. REGULATORY INFORMATION

- 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.
- 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.

## SECTION 16. OTHER INFORMATION

## Further information

## NFPA:



## HMIS III:

<b>HEALTH</b>	<b>2*</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>PHYSICAL HAZARD</b>	

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

Revision Date : 08/25/2015

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.



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## OCTOSPERSE 428

Version	Revision Date:	MSDS Number:	Date of last issue: -
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