

# Enviro Metal Brightener #766/20.69C

## Safety Data Sheet

### 1. Identification

Product Name: #766/20.69C Enviro Metal Brightener  
Product use: Helps keep metals bright  
Chemical Family or Formula: Inorganic alkaline solution  
Supplier: EnviroSense, Inc.  
10061 Bubb Road #200  
Cupertino, California 95014, USA  
Product Information: (408)-213-2291  
Transportation Emergency:: 800-424-9300 (U.S. and North America)  
(703) 527-3887 (Outside U.S. collect calls accepted)

MSDS Number: #766/20.69C-DM  
Replaces: June 12, 2015  
Date: June 30, 2015  
Phone: (408)-213-2291  
Fax: (408)-213-2396  
Email: info@envirosense-inc.com  
Web: www.envirosense-inc.com

### 2. Hazards identification

GHS Classification in accordance with 29 CFR 1910  
Skin irritation (Category 3) H315 Causes skin irritation.  
Serious eye damage (Category 1) H318 Causes serious eye damage  
GHS Label elements, including precautionary statements



Signal word: DANGER

Hazard statements:

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

Precautionary statements:

P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

P264 Wash skin thoroughly after handling.

P280 Wear protective gloves/ eye protection/ face protection.

P501 Dispose of contents/ container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC) or not covered by GHS: none

### 3. Composition / Information on ingredients

Chemical identity: Potassium silicate 11%  
Common name: K-Sil  
Numbers of identity: CAS 1312-76-1  
Impurities: None which affect classification

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### 4. First-aid measures

General advice:

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of danger.

IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.

IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.

Rinse skin with water/ shower.

IF INHALED IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF IN EYES: Rinse caut IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses Remove contact lenses, if present and easy to do. Continue rinsing.

Wash contaminated clo Wash contaminated clothing before reuse.

Most important symptoms and effects, both acute and delayed: Eye irritation.

Indication of any immediate medical attention and special treatment needed when necessary:

### 5. Firefighting measures

Suitable extinguishing media: Product is not flammable. Use media appropriate to main cause of fire.

Examples: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture: None known.

Advice for firefighters: Wear self contained breathing apparatus for fire fighting if necessary.

### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Wear respiratory protection. Avoid breathing vapors if developed.

Ensure adequate ventilation. Evacuate personnel to safe areas.

For personal protection see section 8.

Environmental precautions:

Prevent more spillage if safe to do. Avoid discharge into drains and the environment.

Store in a suitable, closed container for disposal or reclaim.

For disposal see section 13.

### 7. Handling and storage

Handling: Avoid contact with skin and eyes. Avoid spillage.

Provide appropriate exhaust ventilation at places where vapors are formed. For precautions see section 2.

Storage: Keep container tightly closed in a dry place. Product is hygroscopic.

### 8. Exposure controls / personal protection

Information on the system design:

Product is intended for external use only. Stay up wind, out of any mist or vapors developed.

USA. ACGIH Threshold Limit Values (TLV)                      TWA                      STEL

Contains no ingredients for which exposure limits have been established.

\*TWA= Time Weighted Average; STEL= Short Term Exposure Limit;

\*WEEL= Workplace Employee Exposure Level                      NE= Not Established

Personal protective equipment: B; as on GHS product label

Respiratory protection: No requirement anticipated.

Hand protection: Rubber gloves to keep liquid off skin.

Eye protection: Safety glasses with side-shields as required.

Skin & body protection: Chemical resistant apron or protective suit if contact is likely.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

Wash hands and face before breaks and immediately after handling the product.

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### 9. Physical and chemical properties

Appearance:	Clear, colorless, liquid.
Odor:	Nil
Odor threshold:	Not available
pH-value:	Not applicable. Approximately 11.3 @29% solids in water
Melting point:	No data
Freezing Point:	No data
Initial boiling point:	No data
Flash point:	Does not flash.
Evaporation rate:	Not applicable
Flammability(solid,gas):	Not applicable
Explosion limits:	Upper explosion limit: Not applicable Lower explosion limit: Not applicable
Vapor pressure:	No data
Vapor densit Air = 1	No data
Relative density (water=1.00):	Approx. 1.0
Solubility in water:	100%
Partition coefficient: Log Kow =	Not applicable to mixture.
Auto-ignition temperature:	No data
Decomposition temperature:	No data
Viscosity:	No data

### 10. Stability and reactivity

Chemical stability:	No decomposition, if used according to specifications.
Possibility of hazardous reactions:	Contact with acids will neutralize alkalinity and lower product's efficiency.
Conditions to avoid:	No dangerous conditions known.
Materials to avoid:	Strong acids and oxidizing agents, iron, copper, brass, rubber
Hazardous decomposition products:	None are known. Also see Section 5.

### 11. Toxicological information

Acute Toxicity:	No information available for finished product.
Test	Potassium silicate (29% solution) CAS 1312-76-1
Oral Toxicity LD 50 (Rats)	1.0-2.5 g/kg
Dermal Toxicity LD 50 (Rabbit)	No data
Inhalation Toxicity, Vapor, LC50	No data
Eye Irritation (Rabbit)	Severe
Dermal Irritation (Rabbit)	No data
Germ cell mutagenicity:	No data
Carcinogenicity	No data
No component listed by NTP, IARC, OSHA or ACGIH as a suspect or potential carcinogen is present in this product above 0.1%.	California Prop. 65: None
Signs and Symptoms of Exposure:	
Material may be irritating to tissue of the mucous membranes and upper respiratory tract, eyes, and skin.	
Symptoms include:	mild skin irritation or moderate to severe eye irritation.

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### 12. Ecological information

There is no ecological information available for the product.

#### Potassium silicate

Toxicity to fish No data  
Toxicity to daphnia and other aquatic non vertebrates No data  
Toxicity to algae No data

#### Persistence and degradability:

Bioaccumulative potential: No data available

Mobility in soil: No data available

#### Results of PBT and vPvB assessment:

PBT/ vPvB assessment not available because chemical safety assessment not required/not conducted.

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.

### 13. Disposal considerations

Dispose in accordance with local, state and federal regulations.

Dispose of contaminated packaging as unused product.

### 14. Transport information

DOT (US) Not dangerous goods

IMDG Not dangerous goods

IATA Not dangerous goods

### 15. Regulatory information

#### Inventory Status:

All components are on TSCA, EINECS/ELINCS, AICS, and DSL.

#### U.S. Regulations:

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III:

SARA (311/312) HAZARD CATEGORIES:

None

SARA 313: This product contains the following SARA 313 Toxic Release Chemicals.

Chemical Name	CAS Number	Concentration
None		

The following product components are cited on the lists below:

Chemical Name	CAS Number	Right to Know (RTK) List Citations
Potassium silicate	CAS 1312-76-1	PA, NJ

California Prop. 65 chemicals: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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### 16. Other information

SDS Preparation date: June 30th, 2015

Hazard Categories:	Health	Fire	Pressure	Reactivity	Reference 49 CFR 171.8, OSHA 29 CFR 1910.1200 and SARA 302/311/312/313.
Immediate	Yes	No	No	No	
Delayed	No	No	N/A	N/A	
HMIS Hazard ratings: Health 1 Fire 0 Instability 0 Other B (Goggles, gloves)					
Hazard Ratings: Least: 0 Slight: 1 Moderate: 2 High: 3 Extreme: 4					

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Note: The information in this SDS was obtained from current reputable and competent sources. However, the data is provided without warranty, expressed or implied, regarding its correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product and to assume liability for loss, injury, damage or expense resulting from improper use of this product.

This SDS contains all the information required for classification by the Canadian CPR. This SDS is designed for workplace employees, emergency personnel and for conditions and situations where there is a greater potential for large-scale or prolonged exposure, in accordance with requirements of the U.S. government's Occupational Safety and Health Administration (OSHA). For consumer use all precautionary and first aid language is provided on the product label in accordance with the applicable government regulations.