



## SAFETY DATA SHEET SCP-901A Black Ink

### 1. Identification

#### Product identifier

**Product name** SCP-901A Black Ink  
**Product number** 71002448, 71002862, 71002863, 71002453, 71002449  
**Container size** 2 x 4 Liter, 5 Gallon Pail, 6 x 1 Liter, 6 x 1 Liter, 55 Gallon Drum

#### Recommended use of the chemical and restrictions on use

**Application** Printing ink.  
**Uses advised against** No specific uses advised against are identified.

#### Details of the supplier of the safety data sheet

**Supplier** Matthews Marking Systems  
 6515 Penn Avenue  
 Pittsburgh, PA 15206  
 412.665.2500  
 412.828.4545  
 info@matw.com

**Manufacturer** Matthews Marking Systems  
 101 Fairview Ave.  
 Pittsburgh, PA 15238

#### Emergency telephone number

**Emergency telephone** Chemtrec US : 1-800-424-9300 Chemtrec World: 1-703-527-3887

### 2. Hazard(s) identification

#### Classification of the substance or mixture

**OSHA Regulatory Status** This Product is Hazardous under the OSHA Hazard Communication Standard.  
**Physical hazards** Flam. Liq. 2 - H225  
**Health hazards** Repr. 2 - H361 STOT SE 3 - H336  
**Environmental hazards** Not Classified

#### Label elements

##### Pictogram



##### Signal word

Danger

##### Hazard statements

H225 Highly flammable liquid and vapor.  
 H336 May cause drowsiness or dizziness.  
 H361 Suspected of damaging fertility or the unborn child.

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<b>Precautionary statements</b>	<p>P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.</p> <p>P312 Call a poison center/ doctor if you feel unwell.</p> <p>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
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<b>Contains</b>	Acetone, Proprietary - Polyether mod. polydimethylsiloxae
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### Other hazards

### 3. Composition/information on ingredients

#### Mixtures

<b>Acetone</b> CAS number: 67-64-1	<b>80-100%</b>
<b>Classification</b> Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336	
<b>Proprietary - Black Organic Chrome Complex</b> CAS number: Proprietary	<b>1-5%</b>
<b>Classification</b> Eye Irrit. 2B - H320	
<b>Proprietary - Polyether mod. polydimethylsiloxae</b> CAS number: Proprietary	<b>&lt;1%</b>
<b>Classification</b> Eye Irrit. 2A - H319 Repr. 2 - H361	

The full text for all hazard statements is displayed in Section 16.

### 4. First-aid measures

#### Description of first aid measures

<b>General information</b>	Consult a physician for specific advice. If medical advice is needed, have product container or label at hand. If in doubt, get medical attention promptly. Show this Safety Data Sheet to the medical personnel.
<b>Inhalation</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If breathing stops, provide artificial respiration. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention immediately.
<b>Ingestion</b>	Do not induce vomiting. Get medical attention immediately.
<b>Skin Contact</b>	Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing. Wash clothing and clean shoes thoroughly before reuse.

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<b>Eye contact</b>	Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes and get medical attention.
<b>Protection of first aiders</b>	First aid personnel should wear appropriate protective equipment during any rescue.
<b><u>Most important symptoms and effects, both acute and delayed</u></b>	
<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure. See Section 11 for additional information on health hazards.
<b>Inhalation</b>	Vapor from this product may be hazardous by inhalation. Irritating to respiratory system. Vapor may affect central nervous system. May cause nausea, headache, dizziness and intoxication.
<b>Ingestion</b>	Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.
<b>Skin contact</b>	Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. The product is considered to be a low hazard under normal conditions of use.
<b>Eye contact</b>	This product is strongly irritating. A single exposure may cause the following adverse effects: Corneal damage. Severe irritation, burning, tearing and blurred vision. Profuse watering of the eyes.

### **Indication of immediate medical attention and special treatment needed**

**Notes for the doctor**            Treat symptomatically.

## 5. Fire-fighting measures

### **Extinguishing media**

**Suitable extinguishing media**    Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

**Unsuitable extinguishing media**    Water spray.

### **Special hazards arising from the substance or mixture**

**Flammability Class**            7.1 Flammable Liquid IB.

**Specific hazards**            Flammable liquid and vapour. Vapors are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back.

**Hazardous combustion products**    Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO).

### **Advice for firefighters**

**Protective actions during firefighting**    Evacuate area. Stop leak if safe to do so. Use water to keep fire exposed containers cool and disperse vapors. Use water spray to reduce vapors.

**Special protective equipment for firefighters**    Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## 6. Accidental release measures

### **Personal precautions, protective equipment and emergency procedures**

**Personal precautions**            No smoking, sparks, flames or other sources of ignition near spillage. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapors. Wash thoroughly after dealing with a spillage.

### **Environmental precautions**

**Environmental precautions**    Avoid release to the environment. Do not discharge into drains or watercourses or onto the ground. Use appropriate containment to avoid environmental contamination.

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### Methods and material for containment and cleaning up

**Methods for cleaning up** Eliminate all sources of ignition. Stop leak if safe to do so. Contain and absorb spillage with sand, earth or other non-combustible material. Dilute contained spill with water. Collect and place in suitable waste disposal containers and seal securely.

**Reference to other sections** For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

### 7. Handling and storage

#### Precautions for safe handling

**Usage precautions** Avoid contact with eyes and prolonged skin contact. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**Advice on general occupational hygiene** Do not eat, drink or smoke when using this product. Provide eyewash station and safety shower. Good personal hygiene procedures should be implemented. Wash skin thoroughly after handling.

#### Conditions for safe storage, including any incompatibilities

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place.

**Storage class** Flammable liquid storage.

#### Specific end uses(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

### 8. Exposure Controls/personal protection

#### Control parameters

#### Occupational exposure limits

##### Acetone

Long-term exposure limit (8-hour TWA): ACGIH 500 ppm 1188 mg/m<sup>3</sup>

Long-term exposure limit (8-hour TWA): OSHA 1000 ppm 2400 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): ACGIH 750 ppm 1782 mg/m<sup>3</sup>

A4

##### Proprietary - Black Organic Chrome Complex

as CrO<sub>3</sub>

Long-term exposure limit (8-hour TWA): OSHA 0.5 mg/m<sup>3</sup> > 6.0 % as dust

ACGIH = American Conference of Governmental Industrial Hygienists.

OSHA = Occupational Safety and Health Administration.

A4 = Not Classifiable as a Human Carcinogen.

**Ingredient comments** Data based on literature. Product not tested.

#### Acetone (CAS: 67-64-1)

**Immediate danger to life and health** 2500 ppm

#### Exposure controls

##### Protective equipment



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<b>Appropriate engineering controls</b>	As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapor or mist. Use explosion-proof ventilating equipment.
<b>Eye/face protection</b>	Wear tight-fitting, chemical splash goggles or face shield.
<b>Hand protection</b>	It is recommended that chemical-resistant, impervious gloves are worn. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. It is recommended that gloves are made of the following material: Butyl rubber. Nitrile rubber. Rubber (natural, latex). Frequent changes are recommended.
<b>Other skin and body protection</b>	Wear appropriate clothing to prevent repeated or prolonged skin contact.
<b>Hygiene measures</b>	Provide eyewash station and safety shower.
<b>Respiratory protection</b>	If ventilation is inadequate, suitable respiratory protection must be worn. Organic vapor filter.
<b>Thermal hazards</b>	If there is a risk of contact with hot product, all protective equipment worn should be suitable for use with high temperatures.
<b>Environmental exposure controls</b>	Keep container tightly sealed when not in use. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

### 9. Physical and Chemical Properties

#### Information on basic physical and chemical properties

<b>Appearance</b>	Colored liquid.
<b>Color</b>	Black.
<b>Odor</b>	Ketonic.
<b>Odor threshold</b>	Not available.
<b>pH</b>	pH (concentrated solution): 6.0 - 8.5
<b>Melting point</b>	-94°C/-137°F
<b>Initial boiling point and range</b>	56°C/133°F @ 760 mm Hg
<b>Flash point</b>	-17°C/1.4°F CC (Closed cup).
<b>Evaporation rate</b>	11.6 (butyl acetate = 1)
<b>Upper/lower flammability or explosive limits</b>	Upper flammable/explosive limit: 13% % vol Lower flammable/explosive limit: 2% % vol
<b>Vapor pressure</b>	184.0 mm Hg @ 20°C/68°F
<b>Vapor density</b>	2.0
<b>Relative density</b>	0.824 g/cc 824.22 g/l 6.87 lbs/gal
<b>Solubility(ies)</b>	Miscible with the following materials: Alcohols. Ketones. Slightly soluble in water.
<b>Partition coefficient</b>	log Pow: -0.24
<b>Auto-ignition temperature</b>	465°C/869°F
<b>Decomposition Temperature</b>	Not applicable.
<b>Explosive properties</b>	Not applicable.

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<b>Oxidizing properties</b>	Not applicable.
<b>Comments</b>	Data based on literature. Product not tested. Information given is applicable to the product as supplied. Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures.
<b>Volatile organic compound</b>	This product contains a maximum VOC content of 0 g/l. This product contains a maximum VOC content of 0 lbs/gal.

### 10. Stability and reactivity

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended.
<b>Possibility of hazardous reactions</b>	The following materials may react with the product: Strong oxidizing agents.
<b>Conditions to avoid</b>	Avoid the following conditions: Heat, sparks, flames.
<b>Materials to avoid</b>	Avoid contact with the following materials: Strong oxidizing agents.
<b>Hazardous decomposition products</b>	Heating may generate the following products: Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO).

### 11. Toxicological information

#### Information on toxicological effects

**Toxicological effects** Data based on literature. Product not tested.

#### Specific target organ toxicity - single exposure

**Target organs** Central nervous system Eyes

#### Specific target organ toxicity - repeated exposure

**Target organs** Central nervous system Kidneys Skin

#### Aspiration hazard

**Aspiration hazard** Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

#### Toxicological information on ingredients.

##### Acetone

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> 5800 mg/kg, Oral, Rat

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** LD<sub>50</sub> 7426 mg/kg, Dermal, Guinea pig

#### Acute toxicity - inhalation

**Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)** 32.0

**Species** Rat

**Notes (inhalation LC<sub>50</sub>)** LC<sub>50</sub> 50100 @ 8 hr mg/cm<sup>2</sup>, Inhalation, Rat

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ATE inhalation (vapours mg/l) 32.0

### Skin corrosion/irritation

Animal data Dose: , 24 hour, Rabbit Slightly irritating.

### Serious eye damage/irritation

Serious eye damage/irritation Slightly irritating.

### Proprietary - Black Organic Chrome Complex

#### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 2,000.1

Species Rat

ATE oral (mg/kg) 2,000.1

#### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg) 2,000.1

Species Rat

ATE dermal (mg/kg) 2,000.1

#### Carcinogenicity

IARC carcinogenicity Not listed.

### Proprietary - Polyether mod. polydimethylsiloxae

#### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 7,500.0

Species Rat

ATE oral (mg/kg) 7,500.0

## 12. Ecological Information

**Ecotoxicity** The product is not expected to be hazardous to the environment.

### Toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 4.74 - 6.33 mg/l, Onchorhynchus mykiss (Rainbow trout)  
 LC<sub>50</sub>, 96 hours: 6,210 - 8,120 mg/l, Pimephales promelas (Fat-head Minnow)  
 LC<sub>50</sub>, 96 hours: 8,300 mg/l, Lepomis macrochirus (Bluegill)

**Acute toxicity - aquatic invertebrates** Not available.

**Acute toxicity - aquatic plants** Not available.

**Acute toxicity - microorganisms** Not available.

### Ecological information on ingredients.

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### Acetone

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 5540 mg/l, Onchorhynchus mykiss (Rainbow trout)

**Acute toxicity - aquatic invertebrates** LC<sub>50</sub>, 48 hours: 8800 mg/l, Daphnia magna

### Proprietary - Black Organic Chrome Complex

**Acute toxicity - fish** LC<sub>50</sub>, : 2.0 mg/l, Fish

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, : 1000 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 96 hours: >0.42 mg/l, Algae

### Persistence and degradability

**Persistence and degradability** The product is readily biodegradable.

**Biological oxygen demand** 1.43 g O<sub>2</sub>/g substance

**Chemical oxygen demand** 1.92 g O<sub>2</sub>/g substance

### Ecological information on ingredients.

### Acetone

**Biodegradation** - 91:

### Bioaccumulative potential

**Bio-Accumulative Potential** The product does not contain any substances expected to be bioaccumulating.

**Partition coefficient** log Pow: -0.24

### Ecological information on ingredients.

### Acetone

**Partition coefficient** log Pow: -0.24

### Mobility in soil

**Mobility** The product is soluble in water. The product contains organic solvents which will evaporate easily from all surfaces.

### Results of PBT and vPvB assessment

#### Other adverse effects

#### 13. Disposal considerations

### Waste treatment methods

#### **General information**

The generation of waste should be minimized or avoided wherever possible. When handling waste, the safety precautions applying to handling of the product should be considered. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Dispose of waste product or used containers in accordance with local regulations. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements.



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### Disposal methods

Dispose of contents/container in accordance with national regulations. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. When handling waste, the safety precautions applying to handling of the product should be considered.

### 14. Transport information

#### UN Number

UN No. (TDG)	1210
UN No. (IMDG)	1210
UN No. (ICAO)	1210
UN No. (DOT)	1210

#### UN proper shipping name

Proper shipping name (TDG)	PRINTING INK
Proper shipping name (IMDG)	PRINTING INK
Proper shipping name (ICAO)	PRINTING INK
Proper shipping name (DOT)	PRINTING INK

#### Transport hazard class(es)

TDG class	3
TDG label(s)	3
IMDG Class	3
ICAO class/division	3

#### Transport labels



#### Packing group

TDG Packing Group	II
IMDG packing group	II
ICAO packing group	II
DOT packing group	II

#### Environmental hazards

Environmentally Hazardous Substance  
 No.

#### Special precautions for user

EmS F-E, S-D

### 15. Regulatory information

Regulatory Status Hazardous Chemical

## SCP-901A Black Ink

**Regulatory References** OSHA Hazard Communication Standard, 29 CFR 1910.1200

### International Regulations

### US Federal Regulations

#### **CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)**

The following ingredients are listed or exempt:

*Acetone*

Final CERCLA RQ: 5000(2270) pounds (Kilograms)

#### **SARA 313 Emission Reporting**

The following ingredients are listed or exempt:

*Proprietary - Black Organic Chrome Complex*

0.1 %

#### **SARA (311/312) Hazard Categories**

*Proprietary - Polyether mod. polydimethylsiloxae*

Acute  
Chronic

*Acetone*

Fire  
Health:  
Acute  
Chronic

*Proprietary - Black Organic Chrome Complex*

Acute

### US State Regulations

#### **California Directors List of Hazardous Substances**

The following ingredients are listed or exempt:

*Acetone*

Present.

#### **Massachusetts "Right To Know" List**

The following ingredients are listed or exempt:

*Acetone*

Present.

#### **Rhode Island "Right To Know" List**

The following ingredients are listed or exempt:

*Acetone*

Present.

#### **Minnesota "Right To Know" List**

The following ingredients are listed or exempt:

*Acetone*

Present.

#### **New Jersey "Right To Know" List**

The following ingredients are listed or exempt:

*Acetone*

Present.

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### Pennsylvania "Right To Know" List

The following ingredients are listed or exempt:

*Acetone*

Present.

### Inventories

#### EU - EINECS/ELINCS

All the ingredients are listed or exempt.

#### Canada - DSL/NDSL

All the ingredients are listed or exempt.

#### US - TSCA

All the ingredients are listed or exempt.

#### Australia - AICS

The following ingredients are listed or exempt:

*Acetone*

#### Japan - MITI

The following ingredients are listed or exempt:

*Acetone*

#### Korea - KECI

The following ingredients are listed or exempt:

*Acetone*

#### China - IECSC

The following ingredients are listed or exempt:

*Acetone*

#### Philippines - PICCS

The following ingredients are listed or exempt:

*Acetone*

#### New Zealand - NZIOC

*Acetone*

### 16. Other information

<b>Issued by</b>	Matthews Marking Systems - Chemical Services Department
<b>Revision date</b>	8/4/2016
<b>Revision</b>	3
<b>Supersedes date</b>	12/31/2015
<b>SDS No.</b>	4810
<b>SDS status</b>	Under revision.

## SCP-901A Black Ink

<b>Hazard statements in full</b>	H225 Highly flammable liquid and vapor. H319 Causes serious eye irritation. H320 Causes eye irritation. H336 May cause drowsiness or dizziness. H361 Suspected of damaging fertility or the unborn child.
<b>NFPA - health hazard</b>	Temporary incapacitation, injury. (2)
<b>NFPA - flammability hazard</b>	Ignites easily. (3)
<b>NFPA - instability hazard</b>	Normally stable. (0)
<b>ACA HMIS Health rating.</b>	Slight hazard. (1) Chronic hazard. (*)
<b>ACA HMIS Flammability rating.</b>	Ignites easily. (3)
<b>ACA HMIS Physical hazard rating.</b>	Normally stable. (0)
<b>ACA HMIS Personal protection rating.</b>	B

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.