

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006

### Acid Fast Reagent CA Auramine O

Product code: SS-061CA, SS-061CA-EU

Page 1 of 9

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### Product identifier

Acid Fast Reagent CA Auramine O

##### Relevant identified uses of the substance or mixture and uses advised against

###### Use of the substance/mixture

Use as laboratory reagent.

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

Company name:	ELITechGroup Inc., (dba Wescor, Inc.)	
Street:	370 West 1700 South	
Place:	Logan, UT 84321 USA	
Telephone:	+1 (435) 752-6011	Telefax: +1 (435) 752-4127
Responsible Department:	QA/RA Department 370 West 1700 South Logan, UT 84321 USA	Tel.: +1 (435) 752-6011 email: qara_ebs@elitechgroup.com

##### Emergency telephone number

Info Trac Emergency Response:

Contact your distributor or poison control center in your country.

Calls within the USA, phone: 1-800-535-5053

Calls outside the USA, phone: +1 352-323-3500 (call collect)

Customer ID: #90104 (NOTE: this number is required when a customer calls into either phone number above).

#### SECTION 2: Hazards identification

##### Classification of the substance or mixture

Indications of danger : Corrosive, Harmful

R-phrases:

Harmful by inhalation, in contact with skin and if swallowed.

Causes burns.

Possible risks of irreversible effects.

The product itself is not combustible.

##### Label elements

Danger symbols: C - Corrosive



C - Corrosive

##### Hazardous components which must be listed on the label

phenol

##### R phrases

20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
34	Causes burns.
68	Possible risks of irreversible effects.

##### S phrases

09	Keep container in a well-ventilated place.
26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
28	After contact with skin, wash immediately with plenty of Polyethylene glykol 300/ethanol (2:1). .
45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
36/37/39	Wear suitable protective clothing, gloves and eye/face protection.

## Acid Fast Reagent CA Auramine O

Product code: SS-061CA, SS-061CA-EU

Page 2 of 9

### SECTION 3: Composition/information on ingredients

#### Mixtures

##### Hazardous components

EC No.	Chemical name	Quantity
CAS No.	Classification	
Index No.	GHS classification	
REACH No.		
200-578-6	ethanol, ethyl alcohol	<24 %
64-17-5	F R11	
603-002-00-5	Flam. Liq. 2; H225	
203-473-3	ethanediol, ethylene glycol	<15 %
107-21-1	Xn R22	
603-027-00-1	Acute Tox. 4; H302	
203-632-7	phenol	<5 %
108-95-2	Muta. Cat. 3, T, Xn, C R68-23/24/25-48/20/21/22-34	
604-001-00-2	Muta. 2, Acute Tox. 3, Acute Tox. 3, Acute Tox. 3, STOT RE 2, Skin Corr. 1B; H341 H331 H311 H301 H373 ** H314	
219-567-2	Aniline, 4,4'-(imidocarbonyl)bis-(n,n-dimethyl)-, hydrochloride	<1 %
2465-27-2	Carc. Cat. 3, Xn, Xi, N R22-36-40-51-53	

Full text of R- and H-phrases: see section 16.

#### Further Information

Note: This hazard characteristics refer to the properties of pure ingredients, for the identification of the preparation (product), see Section 2 and 15.

### SECTION 4: First aid measures

#### Description of first aid measures

##### General information

In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible).

##### After inhalation

In case of breathing difficulties administer oxygen. In case of irregular breathing or respiratory arrest provide artificial respiration. Immediately get medical attention.

##### After contact with skin

Remove contaminated clothing immediately and dispose off safely. After contact with skin, wash immediately with: Polyethylene glykol 300/ethanol (2:1). Medical advice absolutely required!

##### After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist. Provide fresh air.

##### After ingestion

Rinse mouth thoroughly with water. Let water be swallowed in little sips (dilution effect). Make affected person vomit if conscious. Never give anything by mouth to an unconscious person or a person with cramps. Medical advice absolutely required!

#### Most important symptoms and effects, both acute and delayed

Following inhalation: Dizziness. Headache. vomiting. Causes damage to kidneys by inhalation. acidosis.  
After skin contact: Erythema (reddening). Causes damage to kidneys by skin contact.

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006

### Acid Fast Reagent CA Auramine O

Product code: SS-061CA, SS-061CA-EU

Page 3 of 9

after ingestion: May cause damage to kidneys by swallowing. Stomach perforation. disordered cardiac rhythm. shortage of breath. Dizziness. Headache.

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

First Aid, decontamination, treatment of symptoms.

### SECTION 5: Firefighting measures

#### **Extinguishing media**

##### **Suitable extinguishing media**

The product itself is not combustible.

Water spray.

alcohol resistant foam.

dry extinguishing powder.

##### **Extinguishing media which must not be used for safety reasons**

High power water jet.

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

Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).

#### **Advice for firefighters**

Wear a self-contained breathing apparatus and chemical resistant suit.

#### **Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

### SECTION 6: Accidental release measures

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

Wear personal protection equipment. (Refer to chapter 8.)

#### **Environmental precautions**

Dumping into the environment must be prevented.

#### **Methods and material for containment and cleaning up**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the assimilated material according to the section on waste disposal.

### SECTION 7: Handling and storage

#### **Precautions for safe handling**

##### **Advice on safe handling**

Wear suitable protective clothing. ( Refer to chapter 8. )

Provide for sufficient ventilation and punctiform suction at critical points.

Use extractor hood (laboratory).

##### **Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking.

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

##### **Requirements for storage rooms and vessels**

storage temperature: 15-30 °C. Keep container tightly closed in a cool, well-ventilated place. Unsuitable materials for Container: Base metals and alloys

##### **Advice on storage compatibility**

Do not store together with: Oxidizing solids. Oxidizing liquids. Explosives. Food and fodder. peroxides.

##### **Further information on storage conditions**

Protect against: UV-radiation/sunlight. Maximum period of storage (time): 18 M

Keep/Store only in original container. Ensure adequate ventilation of the storage area. Store small quantities in appropriate dangerous substance cabinets.

## Acid Fast Reagent CA Auramine O

Product code: SS-061CA, SS-061CA-EU

Page 4 of 9

### SECTION 8: Exposure controls/personal protection

#### Control parameters

#### Exposure limits (EH40)

CAS No.	Chemical name	ml/m <sup>3</sup>	mg/m <sup>3</sup>	F/ml	Category	Origin
107-21-1	Ethane-1,2-diol, vapour	20	52		TWA (8 h)	WEL
		40	104		STEL (15 min)	WEL
64-17-5	Ethanol	1000	1920		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL
108-95-2	Phenol	2	7.8		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

#### Exposure controls

##### Occupational exposure controls

Always close containers tightly after the removal of product. Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and at the end of work. Remove contaminated clothing immediately and dispose off safely. Wash contaminated clothing prior to re-use. Used working clothes should not be used outside the work area. Street clothing should be stored separately from work clothing.

##### Protective and hygiene measures

Always close containers tightly after the removal of product. Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and at the end of work.

##### Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required. Respiratory protection required in case of:

exceeding critical value  
Suitable respiratory protective equipment:

##### Hand protection

Pull-over gloves of rubber. DIN EN 374  
Suitable material:  
(penetration time (maximum wearing period):  $\geq 8$  h):  
Butyl rubber.  
FKM (fluororubber).  
Before using check leak tightness / impermeability. In case of reutilization, clean gloves before taking off and store in well-aired place.

##### Eye protection

Suitable eye protection: Tightly sealed safety glasses. DIN EN 166

##### Skin protection

Suitable protection of the body: Lab apron.

##### Environmental exposure controls

No special measures are necessary.

### SECTION 9: Physical and chemical properties

#### Information on basic physical and chemical properties

Physical state: liquid  
Colour: yellow  
Odour: phenol.

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006

## Acid Fast Reagent CA Auramine O

Product code: SS-061CA, SS-061CA-EU

Page 5 of 9

### Test method

#### Changes in the physical state

Flash point:

32-38 °C

Water solubility:

complete miscible

### SECTION 10: Stability and reactivity

#### Chemical stability

Stable under normal storage and handling conditions.

#### Conditions to avoid

Keep away from heat.

#### Incompatible materials

Formaldehyde. Aluminium. Oxidizing agents, strong acid, strong alkalis.

#### Hazardous decomposition products

Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>). hydrochloric gas.

### SECTION 11: Toxicological information

#### Information on toxicological effects

##### Acute toxicity

CAS No.	Chemical name				
	Exposure routes	Method	Dose	Species	h
64-17-5	ethanol, ethyl alcohol				
	Acute oral toxicity	LD50	6200 mg/kg	Ratte	
	Acute inhalation toxicity	LC50	95,6 mg/l	Ratte	4
107-21-1	ethanediol, ethylene glycol				
	Acute oral toxicity	LD50	3580-15280 mg/kg	Rat.	
	Acute dermal toxicity	LD50	10600 mg/kg	Rabbit.	
108-95-2	phenol				
	Acute oral toxicity	LD50	317 mg/kg	Rat.	
	Acute dermal toxicity	LD50	630 mg/kg	Rabbit.	
2465-27-2	Aniline, 4,4'-(imidocarbonyl)bis-(n,n-dimethyl)-, hydrochloride				
	Acute oral toxicity	LD50	480 mg/kg	Mouse.	

#### Irritation and corrosivity

Irritant effect on the eye: corrosive.

Irritant effect on the skin: corrosive.

#### Sensitizing effects

No evidence for: Sensitization

#### Severe effects after repeated or prolonged exposure

phenol.:

LOAEL: 1,8 mg /kg

DFG: Toxikologisch-arbeitsmedizinische Begründungen von MAK-Werten; Verlag Chemie

#### Carcinogenic/mutagenic/toxic effects for reproduction

phenol.: :

Evidence for: Carcinogenicity

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006

### Acid Fast Reagent CA Auramine O

Product code: SS-061CA, SS-061CA-EU

Page 6 of 9

Evidence for: In-vitro mutagenicity  
 During animal experiments no indications of reproductive toxicity were observed.  
 Auramine 2465-27-2:  
 Evaluation/Classification: Carcinogenic Cat. 2 (Carc. Cat. 2); Mutagenic Cat. 3 (Mut. Cat. 3)

#### Additional information on tests

Specific target organ toxicity (repeated exposure): Liver and kidney damage.

### SECTION 12: Ecological information

#### Toxicity

CAS No.	Chemical name	Method	Dose	Species	h
	Aquatic toxicity				
64-17-5	ethanol, ethyl alcohol				
	Acute crustacea toxicity	EC50	9268 - 14221 mg/l	Daphnia magna	48
107-21-1	ethanediol, ethylene glycol				
	Acute fish toxicity	LC50	40761 mg/l	Oncorhynchus mykiss	96
	Acute algae toxicity	ErC50	6500-13000 mg/l	Selenastrum capricornutum	
	Acute crustacea toxicity	EC50	13,9 mg/l	Ceriodaphnia sp.	48
108-95-2	phenol				
	Acute fish toxicity	LC50	20,5 mg/l		96
	Acute algae toxicity	ErC50	84,5 mg/l	Selenastrum capricornutum	96
	Acute crustacea toxicity	EC50	20 mg/l	Daphnia magna	48

#### Persistence and degradability

Product is biodegradable.

#### Bioaccumulative potential

No indication of bio-accumulation potential.

#### Partition coefficient n-octanol/water

CAS No.	Chemical name	Log Pow
64-17-5	ethanol, ethyl alcohol	-0,31
107-21-1	ethanediol, ethylene glycol	-1,4
2465-27-2	Aniline, 4,4'-(imidocarbonyl)bis-(n,n-dimethyl)-, hydrochloride	2,98

#### Mobility in soil

No information available.

#### Results of PBT and vPvB assessment

No information available.

### SECTION 13: Disposal considerations

#### Waste treatment methods

##### Advice on disposal

Waste disposal according to official state regulations. Consult the local waste disposal expert about waste disposal. Moreover, national legislation has to be observed!

##### Waste disposal number of waste from residues/unused products

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals  
 Classified as hazardous waste.

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006

### Acid Fast Reagent CA Auramine O

Product code: SS-061CA, SS-061CA-EU

Page 7 of 9

#### Waste disposal number of used product

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals  
Classified as hazardous waste.

#### Waste disposal number of contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by dangerous substances  
Classified as hazardous waste.

#### Contaminated packaging

Cleaned containers may be recycled.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

**UN number:** 3265  
**UN proper shipping name:** CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (phenol. in aqueous solution)  
**Transport hazard class(es):** 8  
**Packing group:** III  
Hazard label: 8



Classification code: C3  
Special Provisions: 274  
Limited quantity: 5 L  
Transport category: 3  
Hazard-no.: 80  
Tunnel restriction code: E

#### Other applicable information (land transport)

Excepted quantity: E1

#### Inland waterways transport

**UN number:** 3265  
**UN proper shipping name:** CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (phenol. in aqueous solution)  
**Transport hazard class(es):** 8  
**Packing group:** III  
Hazard label: 8



Classification code: C3  
Special Provisions: 274  
Limited quantity: 5 L

#### Other applicable information (inland waterways transport)

Excepted quantity: E1

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006

### Acid Fast Reagent CA Auramine O

Product code: SS-061CA, SS-061CA-EU

Page 8 of 9

#### Marine transport

**UN number:** 3265  
**UN proper shipping name:** CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Phenol solution)  
**Transport hazard class(es):** 8  
**Packing group:** III  
 Hazard label: 8



**Special Provisions:** 223, 274  
**Limited quantity:** 5 L  
**EmS:** F-A, S-B

#### Other applicable information (marine transport)

Excepted quantity: E1

#### Air transport

**UN/ID number:** 3265  
**UN proper shipping name:** CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Phenol solution)  
**Transport hazard class(es):** 8  
**Packing group:** III  
 Hazard label: 8



**Limited quantity Passenger:** 1 L  
**IATA-packing instructions - Passenger:** 852  
**IATA-max. quantity - Passenger:** 5 L  
**IATA-packing instructions - Cargo:** 856  
**IATA-max. quantity - Cargo:** 60 L

#### Other applicable information (air transport)

Excepted quantity: E1  
 Passenger-LQ: Y841

### SECTION 15: Regulatory information

#### Safety, health and environmental regulations/legislation specific for the substance or mixture

##### National regulatory information

**Employment restrictions:** Observe employment restrictions for young people. Observe employment restrictions for child bearing mothers and nursing. Observe employment restrictions for women of child-bearing age.  
**Water contaminating class (D):** 2 - water contaminating

### SECTION 16: Other information

#### Changes

Rev. B (2014-06-24) corrected coding

#### Full text of R-phrases referred to under sections 2 and 3

11 Highly flammable.  
 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.  
 22 Harmful if swallowed.

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006

### Acid Fast Reagent CA Auramine O

Product code: SS-061CA, SS-061CA-EU

Page 9 of 9

23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
34	Causes burns.
36	Irritating to eyes.
40	Limited evidence of a carcinogenic effect.
48/20/21/22	Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.
51	Toxic to aquatic organisms.
53	May cause long-term adverse effects in the aquatic environment.
68	Possible risks of irreversible effects.

#### Full text of H-Statements referred to under sections 2 and 3

H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H331	Toxic if inhaled.
H341	Suspected of causing genetic defects.
H373	May cause damage to organs through prolonged or repeated exposure.

#### Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*