

**Revision Date:** 1/10/2009**Revision Number:** 4**Material/Trade Name:** EA/ORANGE G COMBO STAIN

## 1 - Substance Identification

<b>Material/Trade Name</b>	: Three parts Modified EA Stain mixed with One part Orange G Stain
<b>Material type</b>	: Stain
<b>Company</b>	: Source BioScience
<b>Address</b>	: 1 Orchard Place Nottingham Business Park Nottingham NG8 6PX
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## 2 - Composition

Substance		% Wt.	CAS No.	EC No.
Denatured ethanol	F;R11	<55%	64-17-5	200-578-6
Methanol	F;R11 T;R23/24/25-39/23/24/25	<40%	67-56-1	200-659-6

## 3 - Hazard Identification

**HIGHLY FLAMMABLE****TOXIC BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED****TOXIC: DANGER OF VERY SERIOUS IRREVERSIBLE EFFECTS THROUGH INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED**

Keep container tightly closed

Keep away from sources of ignition – No Smoking

Avoid contact with eyes and skin

Wear suitable protective clothing and gloves

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

## 4 - First-aid Measures

<b>Inhalation:</b>	Remove to fresh air and rest If recovery is not rapid call for prompt medical attention Show this safety data sheet to medical personnel
<b>Eyes:</b>	Irrigate with water for at least 15 minutes Take care not to wash chemical from one eye to another If irritation persists, obtain medical attention
<b>Skin:</b>	Remove contaminated clothing Wash with soap/cleanser and rinse with plenty of water If irritation persists, obtain medical attention

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#### 4 - First-aid Measures (Continued)

<b>Ingestion:</b>	Do not induce vomiting Give plenty of water to drink Beware of aspiration if vomiting occurs Seek medical attention immediately
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#### 5 - Fire-fighting Measures

<b>Suitable Extinguishers:</b>	Alcohol resistant foam Dry powder Carbon dioxide Water spray/fog
<b>Unsuitable Extinguishers:</b>	Direct water jets
<b>Hazardous Decomposition:</b>	Toxic fumes are produced in fire
<b>Special Procedures:</b>	Do not breathe decomposition products and fumes Use approved self-contained breathing apparatus Wear fire retardant clothing Use water spray to cool containers Warning: Danger of flashback exists Use water fog to disperse vapours and leaks that have not ignited Prevent runoff from fire control from entering waterways Large fires should only be dealt with by trained personnel

#### 6 - Accidental Release Measures

<b>Exposure Controls:</b>	Ventilate area and eliminate sources of ignition Isolate the spillage Use barriers to prevent accidental entry into contaminated areas Do not allow spill to enter drains and watercourses
<b>Personal Protection:</b>	Wear suitable respiratory protection Eg EN405 FFA2 or EN140 A2 Wear PVC or nitrile gloves Use eye protection such as goggles to BS EN 166 Chemical Grade
<b>Disposal Considerations:</b>	Absorb in inert material such as sand or absorbent granules Scoop up and place in plastic container to await transfer Spill is classed as special waste

#### 7 - Handling and Storage

<b>Handling:</b>	Avoid skin contact Avoid eye contact Avoid inhalation of vapour Ensure adequate ventilation Use local extraction equipment where possible Wear suitable protective clothing (see section 8)
<b>Storage:</b>	Store in tightly closed labelled containers Store in a cool, dry, well ventilated area

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## 8 - Exposure Controls

**Occupational Exposure Limit:** 266mg/m<sup>3</sup> 8hrTWA 333mg/m<sup>3</sup> 15minSTEL WEL Sk Methanol  
1920mg/m<sup>3</sup> 8hrTWA WEL ethanol

Wear PVC or nitrile gloves  
Wear suitable overalls or apron and change if contaminated  
Wear suitable eye protection such as BS EN 166  
Use in well ventilated areas.  
Use mechanical ventilation if possible  
If excessive inhalation in a poorly ventilated area is likely then use a respirator with filter type A  
After contact with skin wash off immediately

## 9 - Physical & Chemical Properties

<b>Appearance</b>	: Blueish-greenish liquid
<b>Odour</b>	: Characteristic pungent alcoholic
<b>pH</b>	: n/e
<b>Boiling point/range</b>	: 72.5°C
<b>Melting point/range</b>	: n/e
<b>Flash point</b>	: <0°C (Closed Cup)
<b>Flammability</b>	: HIGHLY -FLAMMABLE
<b>Autoflammability</b>	: n/e
<b>Explosive properties</b>	: n/e
<b>Oxidising properties</b>	: None
<b>Vapour pressure</b>	: n/e
<b>Relative density</b>	: 0.823
<b>Solubility</b>	: n/e
<b>Vapour Density</b>	: n/e
<b>Viscosity</b>	: n/e
<b>Evaporation rate (Bu Ac = 1)</b>	: n/e

(n/e = not established)

## 10 - Stability and Reactivity

Stable at normal temperatures  
Materials to avoid: oxidising agents  
Conditions to avoid: high temperature, sources of ignition & direct sunlight  
No hazardous decomposition products when stored and handled correctly

## 11 - Toxicological Information

Routes of exposure: inhalation, skin absorption and ingestion  
Acute effects from ingestion: Nausea, vomiting and stomach pain  
Unconsciousness in severe cases  
Health effects: Irritating to eyes, skin and respiratory tract  
Repeated skin contact may cause dermatitis  
Ingestion may cause very serious damage to the optic nerve  
Inhalation may cause depression of central nervous system  
Chronic effects: May cause kidney & liver damage

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## 12 - Ecological Information

Ecotoxicity:- Not likely to be dangerous to the aquatic environment  
Persistence:- Not persistent  
Bioaccumulative potential:- Low  
Mobility:- Mobile volatile liquid

## 13 -Disposal Considerations

Waste materials must be treated as a fire hazard  
Incinerate through a licensed site  
Do not discharge into drains or watercourses  
Dispose through properly licensed contractors  
Dispose of in accordance with the Hazardous Waste Regulations 2005

## 14 -Transport Information

**UN/SI Number:** 1986  
**IMO:** Class 3 **Packing Group** II  
**IATA/IACO** Class 3 **Packing Group** II  
**ADR/RID** Class 3 **Packing Group** II  
**Proper Shipping Name (PSN):** ALCOHOLS, FLAMMABLE, TOXIC, NOS (Ethanol/methanol solution)  
**HAZCHEM/Kemler Code:** 3WYE/336

## 15 - Regulatory Information

### a) Risk & Safety

R11 HIGHLY FLAMMABLE  
R23/24/25 TOXIC BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED  
R39/23/24/25 TOXIC: DANGER OF VERY SERIOUS IRREVERSIBLE EFFECTS THROUGH INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED  
S7 Keep container tightly closed  
S16 Keep away from sources of ignition – No Smoking  
S24/25 Avoid contact with eyes and skin  
S36/37 Wear suitable protective clothing and gloves  
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

### b) Other Regulations

Health & Safety at Work etc. Act 1974  
Control of Substances Hazardous to Health Regulations 2002 as amended  
Environmental Protection Act 1990  
Hazardous Waste Regulations 2005

## 16 - Other Information

The information in this Safety Data Sheet should be provided to all who will use, handle, store, transport or otherwise be exposed to this product. This information is believed to be reliable and updated at Revision Date, and represents the best information currently available and known by Source BioScience. However, Source BioScience makes no guarantee or warranty, express or implied, with respect to such information and we assume no liability resulting from its use. The information related herein is based on proper handling and anticipated uses and is for the material without chemical additions or alterations. Users should make their own investigations to determine the suitability of the information for their particular purposes. It is the responsibility of the user to undertake a suitable risk assessment/COSHH assessment prior to using this material.