

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

PRODUCT NAME ALBERT'S STAIN A

PRODUCT CODE 62010x

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2. HAZARDS IDENTIFICATION

CLASSIFICATION ACCORDING TO REGULATION (EC) No 1272/2008 [EU-GHS/CLP]

Chronic Aquatic Toxicity (Category 4) H413

LABELLING ACCORDING TO REGULATION (EC) No 1272/2008 [EU-GHS/CLP]

No signal word No symbol

Hazard statement(s)

H413 May cause long lasting harmful effects to aquatic life

Precautionary statement(s)

P273 Avoid release to the environment

3. COMPOSITION / INFORMATION ON INGREDIENTS

Name	EC #	CAS #	Content	Classification
MALACHITE GREEN [CI 42000]	209-322-8	569-64-2	0-1%	Carc. 2, Acute Tox. 4, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 1 H302 H318 H361d H410
[4-[α -[4-(Dimethylamino)phenyl]benzylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride				
TOLUIDINE BLUE [CI 52040]	202-146-2	92-31-9	0-1%	
(7-amino-8-methyl- phenothiazin-3-ylidene)- dimethyl-ammonium chloride				
ETHANOL	200-578-6	64-17-5	1-3%	Flam. Liq. 2 H225
ACETIC ACID	200-580-7	64-19-7	1-3%	Flam. Liq. 3, Skin Corr. 1A H226 H314

4. FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Get prompt medical attention.

INGESTION

Do not induce vomiting. Rinse mouth with water. Never make an unconscious person vomit or drink fluids. Get medical attention immediately.

SKIN CONTACT

Remove contaminated clothes and rinse skin thoroughly with water. Seek medical attention.

EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eyelids. Continue to rinse for at least 15 minutes. Get medical attention.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Use: Firefighting media appropriate for surrounding materials.

PROTECTIVE MEASURES IN FIRE

Self-contained breathing apparatus if necessary.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet. Evacuate personnel to a safe area. Avoid aerosol formation. Avoid breathing aerosols.

ENVIRONMENTAL PRECAUTIONS

Do not allow spillage to enter watercourses. Stop further spillage if possible without risk.

SPILL CLEAN-UP METHODS

Sweep up into bag and hold for hazardous disposal. Avoid raising aerosols. Flush area with water, absorb with disposable towels and hold for hazardous disposal – see section 13.

7. HANDLING & STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Avoid dust formation. Provide adequate exhaust function where dust is raised.

STORAGE PRECAUTIONS

Store in tightly closed original container in a cool, dry well-ventilated place.

STORAGE CLASS

Chemical storage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

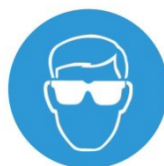
Name	Std	8h TWA		STEL	
ACETIC ACID	WEL	10 ppm	25 mg/m ³	15 ppm	35 mg/m ³
ETHANOL	WEL	1000 ppm	1920 mg/m ³		

WEL – Workplace Exposure Limit; 8h TWA – 8-hour Time-Weighted Average; STEL – Short-Term EL.

ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

PROTECTIVE EQUIPMENT



HAND PROTECTION

Use protective gloves. The most suitable glove should be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

EYE PROTECTION

Wear approved, tight-fitting safety glasses where dust is probable.

RESPIRATORY EQUIPMENT

Self-contained breathing apparatus where high dust levels are likely.

OTHER PROTECTION

Provide eyewash station.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Blue-green liquid
ODOUR	Faint, vinegar
SOLUBILITY / MISCIBLE WITH	Water, Alcohol
BOILING POINT	~ 99 °C
FLASH POINT	~ 75 °C

10. STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

INCOMPATIBLE MATERIALS

Strong oxidizers.

11. TOXICOLOGICAL INFORMATION

TOXIC DOSE (MALACHITE GREEN)

LD 50	Oral, Mouse	96 mg/kg
LD 50	Oral, Rabbit	150 mg/kg
LD 50	Intraperitoneal, Rat	8.9 mg/kg
LD 50	Intraperitoneal, Mouse	5.1 mg/kg

INHALATION

May be harmful if inhaled. May cause respiratory tract irritation.

INGESTION

May be harmful if swallowed.

SKIN CONTACT

May be harmful if absorbed through skin. May cause skin irritation.

EYE CONTACT

May cause eye irritation.

12. ECOLOGICAL INFORMATION

TOXIC DOSE (MALACHITE GREEN)

LC50	<i>Lepomis macrochirus</i>	0.0218 mg/L (96 h)
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ECOTOXICITY

May cause long lasting harmful effects to aquatic life. Avoid release to the environment.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14. TRANSPORT INFORMATION

	UN #	Class	Packing	Proper shipping name
<u>RID / ADR</u>	<i>Not regarded as hazardous for transport</i>			
<u>IATA</u>				
<u>IMDG</u>				

15. REGULATORY INFORMATION

STATUTORY INSTRUMENTS

This MSDS complies with regulation (EC) no. 1907/2006.
 Workplace Exposure Limits EH40/2011.

16. OTHER INFORMATION

GENERAL INFORMATION

This safety data sheet covers all codes for this product.

REVISION INFORMATION

Revision No.	05
Revision Date	09/2015
Comments	CHIP regulations removed.
Replaces Document Generated	09/2013

HAZARD STATEMENTS IN FULL

H225	Highly Flammable liquid and vapour
H226	Flammable liquid and vapour
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H361d	Suspected of damaging fertility
H410	Very toxic to aquatic life with long lasting effects
H413	May cause long lasting harmful effects to aquatic life