

Creation Date 12-Dec-2011

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Revision Number 1

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Name DAB Quanto
Cat No. TA-060-QHDX, TA-125-QHDX
Synonyms No information available.
Recommended Use Laboratory chemicals

Company Thermo Fisher Scientific
 Anatomical Pathology
 46360 Fremont Blvd.
 Fremont, CA 94538, USA
 Tel: 1-510-771-1560
 Fax: 1-510-771-1570
<http://www.thermo.com/labvision>

Emergency Telephone Number Chemtrec US: (800) 424-9300
 Chemtrec EU: 001 (202) 483-7616

2. HAZARDS IDENTIFICATION

The product is non-dangerous in accordance with Directive 1999/45/EC.

R-phrases(s)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Haz/Non-haz

Component	Weight %	EC-No.	67/548/EEC Classification
3,3'-Diaminobenzidine tetrahydrochloride 7411-49-6	<1	EEC No. 231-018-9	Xn; R20/22 Xi; R36/37/38; Carc.Cat.3; R40
Non-hazardous ingredients NA	>99	-	-

For the full text of the R-phrases and H-Statements mentioned in this Section, see Section 16

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4. FIRST AID MEASURES

Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician
Skin Contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes
Ingestion	Clean mouth with water and drink afterwards plenty of water
Inhalation	Move to fresh air
Notes to Physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Extinguishing media which must not be used for safety reasons

No information available.

Specific Hazards Arising from the Chemical

Keep product and empty container away from heat and sources of ignition

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Flash Point	Not applicable
Method	No information available.
Autoignition Temperature	No information available.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Ensure adequate ventilation
Environmental Precautions	Prevent further leakage or spillage if safe to do so
Methods for Containment and Clean Up	Soak up with inert absorbent material Keep in suitable, closed containers for disposal.

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7. HANDLING AND STORAGE

Handling	Ensure adequate ventilation
Storage	Keep container tightly closed in a dry and well-ventilated place
Specific use(s)	No information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits

The product does not contain any hazardous materials with occupational exposure limits established.

Component	European Union	The United Kingdom	Belgium	France	Spain	Germany
3,3'-Diaminobenzidine tetrahydrochloride						Skin

Component	Italy	Portugal	The Netherlands	Finland	Austria
3,3'-Diaminobenzidine tetrahydrochloride					Skin

Component	Switzerland	Poland	Norway	Ireland	Denmark	Australia
3,3'-Diaminobenzidine tetrahydrochloride	MAK: 0.003 ppm 8 Stunden MAK: 0.03 mg/m ³ 8 Stunden					

Occupational exposure controls

Engineering Measures	Ensure adequate ventilation, especially in confined areas
Personal Protective Equipment	
Respiratory Protection	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced
Eye Protection	Tightly fitting safety goggles
Skin and body protection	Wear appropriate protective gloves and clothing to prevent skin exposure
Hand Protection	Protective gloves
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice
Environmental exposure controls	No information available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Brown

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9. PHYSICAL AND CHEMICAL PROPERTIES

odor	odorless
pH	No information available.
Boiling Point/Range	Not applicable
Melting Point/Range	No information available.
Flash Point	Not applicable

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Conditions to Avoid	Incompatible products
Incompatible Materials	Strong oxidizing agents
Hazardous Decomposition Products	None under normal use conditions
Hazardous Polymerization	No information available
Hazardous Reactions .	None under normal processing.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Component Information

Chronic Toxicity

Carcinogenicity There are no known carcinogenic chemicals in this product

Sensitization No information available.

Neurological Effects No information available.

Mutagenic Effects No information available.

Reproductive Effects No information available.

Developmental Effects No information available.

Target Organs No information available.

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12. ECOLOGICAL INFORMATION**Ecotoxicity**

Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants

Persistence and Degradability No information available

Bioaccumulative Potential No information available.

Mobility No information available.

13. DISPOSAL CONSIDERATIONS

Waste from Residues / Unused Products Dispose of in accordance with local regulations

Contaminated Packaging Empty containers should be taken to local recyclers for disposal

14. TRANSPORT INFORMATION

IMDG/IMO Not regulated

ADR Not regulated

IATA Not regulated

15. REGULATORY INFORMATION

The product is non-dangerous in accordance with Directive 1999/45/EC

Labelling

R-phrase(s)

S-phrase(s)

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S24/25 - Avoid contact with skin and eyes

S37/39 - Wear suitable gloves and eye/face protection

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International Inventories

Component	EINECS	ELINCS	NLP	TSCA	DSL	NDSL	PICCS	ENCS	CHINA	AICS	KECL
3,3'-Diaminobenzidine tetrahydrochloride	231-018-9	-		X	X	-	X	-	X	X	-

16. OTHER INFORMATION

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

R40 - Limited evidence of a carcinogenic effect

R20/22 - Harmful by inhalation and if swallowed

R36/37/38 - Irritating to eyes, respiratory system and skin

Prepared By	Regulatory Affairs
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Revision Summary	"****", and red text indicates revision
Restrictions on use	No information available.
Training advice	No information available.
Literary reference	No information available.

Disclaimer

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End of Safety Data Sheet