

1. Product and Company Identification

Product Identifier

Product Name: ISE Startup Kit

Product Code: BT-6620941D
(BT-6620941AD contains Boric Acid, Tetramethylammonium Hydroxide)
(BT-6620942AD contains Boric Acid, Tetramethylammonium Hydroxide)
(BT-6620940SD contains Sodium Hydroxide, 1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione)
(BT-6620943D contains 1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione)
(BT-6620944D contains 1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione)

Recommended Use: This ISE Kit is for use only on BT 3000 TARGA ISE Analyzer.

Company Diamond Diagnostics Inc.
333 Fiske Street
Holliston, MA 01746

Company Phone Number 508-429-0450
Email support@diamonddiagnostics.com

Emergency Telephone No: 508-429-0450

2. Hazards Identification

GHS- Classification

Classification Flammable, Corrosive, Skin Irritant, Eye Irritant



Hazard Statements

H301 Toxic if swallowed.
H314 Causes severe skin burns and eye damage.
H361 Suspected of damaging fertility or the unborn child.
H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P281 Use personal protective equipment as required.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301 + P330 + P331 IFSWALLOWED: rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313 IF exposed or concerned: Get medical advice/attention.
P310 Immediately call a POISON CENTER or doctor/physician.
P321 Specific treatment (see supplemental first aid instructions on this label).
P363 Wash contaminated clothing before reuse.
P405 Store locked up.
P501 Dispose of contents/container to an approved waste disposal plant.

3. Composition/Information on ingredients

Chemical Name	EC No.	Reach Reg. No.	CAS-No.	Weight %	Classification
Boric Acid	233-139-2	01-2119486683-25-XXXX	10043-35	< 5 -10%%	Repr. 2; H361
TMAH	200-882-9		75-59-2	< 1.5%	Acute Tox. 2; Acute Tox. 3; Skin Corr. 1B; Eye Dam. 1; Aquatic Acute 2; Aquatic Chronic 2; H300, H300, H314, H411
1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione	229-222-8	Not available	6440-58-0	< 0.2%	Acute Tox. 4; Eye Irrit. 2A; Resp Sens 1; H302, H319, H334
Sodium Hydroxide	215-185-5	01-2119457892-27-XXXX	1310-73-2	< 0.5%	Met. Corr. 1; Skin Corr. 1A; Eye Dam. 1; Aquatic Acute 3; H290, H314, H318, H402

4. First Aid Measures

Eye Contact	Flush affected area for 15 minutes with water.
Skin Contact	Flush affected area with copious amounts of water.
Inhalation	Remove victim to fresh air. If breathing is difficult, give oxygen and seek medical aid.
Ingestion	If swallowed, drink water and seek medical aid if irritation persists.
Notes to Physician	Treat symptomatically

5. Fire-Fighting Measures

Flammable Properties	No information available
Flash Point	Not flammable
Suitable Extinguishing Media	Suitable for surrounding fire.
Hazardous Combustion Products	No information available
Protective Equipment and Precautions for Firefighters	Self-contained breathing apparatus and protective clothing.

6. Accidental Release Measures

Personnel Precautions	Use personnel protective equipment. Avoid inhaling, ingesting and contact with eyes and skin.
Methods for Containment & Cleaning	Soak up with non-combustible absorbent material. Rinse affected area with copious amounts of water. Dispose of in accordance with applicable federal, state, and local laws and regulations.
Environmental Precautions	Do not let product enter drains.

7. Handling and Storage

Handling	Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition – No Smoking. Take measures to prevent buildup of electrostatic charge.
Storage	Keep container closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Storage class (TRGS 510): Non-combustible, corrosive hazardous materials.
Specific use	See Section 1 – Recommended Use

8. Exposure Controls / Personnel

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Boric Acid 10043-35-3	Not listed	Not listed	Not Listed
1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione 6440-58-0	Not listed	Not listed	Not listed
Sodium Hydroxide 1310-73-2	C; 2.000000 mg/m3	TWA; 2.000000 mg/m3	C; 2.000000 mg/m3
TMAH 75-59-2	Not listed	Not listed	Not Listed

Engineering Measures

Showers
Eye Wash Stations
Ventilation Systems

Personnel Protective Equipment

Eye/Face Protection

Safety goggles with side-shields

Skin Protection

Wear protective gloves/clothing

Respiratory Protection

If exposure limits are exceeded or irritation is experienced; NISOH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required high airborne containment concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures

Complete suit protecting against chemicals, Flame resistant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Environment Exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

9. Physical and Chemical Properties

Appearance	Clear Liquid
Odor	No information available
Odor Threshold	No information available
pH	No information available
Melting Point	No information available
Freezing Point	No information available
Initial Boiling Point	Approx. 100 °C
Flash Point	No information available
Evaporation Rate	No information available
Flammability (solid, gas)	No information available
Upper/Lower flammability or explosive limits	No information available
Vapor pressure	No information available
Vapor density	No information available
Relative density	No information available
Water Solubility	No information available
Partition coefficient: (n-octanol/water)	No information available
Auto-ignition temperature	No information available
Decomposition Temperature °C	No information available
Viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available

10. Stability and Reactivity

Reactivity	No information available
Chemical Stability	Stable
Incompatible Materials	Strong Oxidizers, Strong Aides, Boron Oxides, and Nitrogen Oxides. Acids, Ammonia, Metals, Oxidizable material and Chlorinated Isocyanurates. Alcohol, Alkalis, Tannins and salts of heavy metals. Bases, Amines, and Alkali Metals.
Hazardous Decomposition Products	Thermal decomposition of this product may produce carbon oxides, boron oxides and nitrogen oxides. Formaldehyde will be released when heated to 90°C. Toxic fumes of Hydrogen Chloride Gas.
Hazardous Polymerization:	Will not occur
Conditions to avoid:	Any conditions that are incompatible with water, mixing this product with incompatible chemicals. Avoid exposure to extreme heat and light.
Suggested Storage:	Store as recommended on product label.

11. Toxicological Information

Acute Toxicity	No information available
Chronic Toxicity	No adverse health effects should occur from routine, operational use of this product in the manner specified by the manufacturer's instructions. May cause allergic response in persons with preexisting sensitivity to formaldehyde. Irritation of affected area.
Target Organ Effects	No information available
Carcinogenicity	<p>IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.</p> <p>ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH.</p> <p>NTP: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.</p> <p>OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.</p>

12. Ecological Information

Ecotoxicity	Toxic to fish, daphnia and other aquatic invertebrates.
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13. Disposal Considerations

Waste Disposal Method	In accordance with applicable federal, state, and local laws and regulations.
Contaminated Packaging	In accordance with applicable federal, state, and local laws and regulations.

14. Transport Information

IATA	Not regulated
DOR	Not regulated

15. Regulatory Information

SARA 302 Components	No chemicals in this material are subject to reporting requirements of SARA Title III, Section 302.	
SARA 313 Components	The following components are subject to reporting levels established by SARA Title III, Section 313.	
Hydrochloric Acid	CAS-No. 7647-01-0	Revision Date: 1993-04-24
SARA 311/312 Hazards	Acute Health Hazard	
Massachusetts right to know components		
Sodium Hydroxide	CAS-No. 1310-73-2	Revision Date: 2007-03-01
Hydrochloric Acid	7647-01-0	1993-04-24
Pennsylvania right to know components		
1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione	CAS-No. 6440-58-0	Revision Date:
Sodium Hydroxide	1310-73-2	2007-03-01
Boric Acid	10043-35-3	2009-07-17
Tetramethylammonium Hydroxide	75-59-2	2007-03-01
Hydrochloric Acid	7647-01-0	1993-04-24
New Jersey right to know components		
1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione	CAS-No. 6440-58-0	Revision Date:
Sodium Hydroxide	1310-73-2	2007-03-01
Boric Acid	10043-35-3	2009-07-17
Tetramethylammonium Hydroxide	75-59-2	2007-03-01
Hydrochloric Acid	7647-01-0	1993-04-24
California Prop. 65 Components	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.	

16. Other Information

Issuing Date	09-December-2011
Revision Date	18-November-2015
Revision Note	No information available
Recommended Restrictions	No Restrictions

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in text.