



SAFETY DATA SHEET

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SDS Number: CAN347-B
Date Revised: 02/15/2013

This Safety Data Sheet complies with Regulation (EC) No. 1907/2006, ISO 11014-1 and ANSI Z400.1

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

Product Name: G-TECH GRINDING FLUID
Application: Wet grinding of tungsten electrodes
Classification: N/A
Supplier: ESAB GROUP CANADA, INC., 6010 Tomken Road, Mississauga, ON L5T 1X9
Telephone No.: (905) 670-0220, 1-877-935-3226
Web site: www.esab.ca

2. HAZARDS IDENTIFICATION

Repeated or prolonged skin contact may cause irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is a preparation of substances. The product contains no ingredients with a hazard classification according to European Council Directive 67/548/EEC.

Ingredients	Weight % less than	CAS#	EINECS#	Hazard Classification
Sodium Benzoate	2	532-32-1	208-534-8	No

4. FIRST AID MEASURES

Inhalation: Move away from source of exposure and into fresh air.
Eye contact: Immediately rinse with excess amounts of water, for at least 15 min. Hold eyelids apart. Remove contact lenses. Obtain medical assistance if soreness or redness persists.
Skin contact: Wash affected skin with mild soap and water.
Ingestion: Rinse mouth with water. Do not induce vomiting. Seek medical assistance.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Foam, carbon dioxide or powder.
Personal Precautions: Avoid inhalation of hazardous fumes from the fire.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up:
Surround any spillage with absorbent material such as sand, mineral wool matting or some other suitable material and transfer it into suitable containers.

7. HANDLING AND STORAGE

Handling: Avoid inhalation and contact with skin or eyes. Do not ingest.
Storage: Store in sealed containers at +1 °C to +35°C

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Personal protective equipment:
Wear eye protection if any risk of eye contact, and PVC or rubber gloves if any risk of contact with skin.

Substance	CAS#	ACGIH TLV ⁽¹⁾ mg/m ³	OSHA PEL ⁽²⁾ mg/m ³
Sodium Benzoate	532-32-1	None established	None established

⁽¹⁾ Threshold Limit Values according to American Conference of Governmental Hygienists, 2013

⁽²⁾ Permissible Exposure Limits according to the Occupational Safety & Health Administration (USA)

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Green liquid
Odour: Faint
pH: 8.0
Boiling point: 100°C

Melting point: < 0°C
Density: 1.0 g/cm³
Solubility: Mixable in water



10. STABILITY AND REACTIVITY

Stability: This product is stable under normal conditions.

11. TOXICOLOGICAL INFORMATION

Short-term effects: Eye contact will cause irritation.

Long-term effects: Long-term or repeated skin contact may cause irritation.

12. ECOLOGICAL INFORMATION

Avoid exposure to conditions that could lead to leaching of the product into soil or groundwater.

13. DISPOSAL CONSIDERATIONS

Discard any product, residue, disposable container or liner in an environmentally acceptable manner, in full compliance with federal and local regulations. Use recycling procedures if available.

14. TRANSPORT INFORMATION

No international regulations or restrictions are applicable.

15. REGULATORY INFORMATION

Read and understand the manufacturer's instructions, your employer's safety practices and the health and safety instructions on the label. Observe any federal and local regulations. Take precautions when welding and protect yourself and others.

Canada: WHMIS classification: Class D; Division 2, Subdivision A

16. OTHER INFORMATION

This Safety Data Sheet has been revised due to modifications to Sections 1, 3, 7, 8, 9 and 16. This SDS supersedes CAN347-A.

Refer to ESAB "Welding and Cutting - Risks and Measures", F52-529 "Precautions and Safe Practices for Electric Welding and Cutting" and F2035 "Precautions and Safe Practices for Gas Welding, Cutting and Heating" available from ESAB, and to:

USA: Contact ESAB at www.esabna.com or 1-800-ESAB-123 if you have questions about this SDS.

American National Standard Z49.1 "Safety in Welding and Cutting", ANSI/AWS F1.5 "Methods for Sampling and Analyzing Gases from Welding and Allied Processes", ANSI/AWS F1.1 "Method for Sampling Airborne Particles Generated by Welding and Allied Processes", AWSF3.2M/F3.2 "Ventilation Guide for Weld Fume", American Welding Society, 550 North Le Jeune Road, Miami, Florida, 33135. Safety and Health Fact Sheets available from AWS at www.aws.org.

OSHA Publication 2206 (29 C.F.R. 1910), U.S. Government Printing Office, Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954.

American Conference of Governmental Hygienists (ACGIH), Threshold Limit Values and Biological Exposure Indices, 6500 Glenway Ave., Cincinnati, Ohio 45211, USA.

NFPA 51B "Standard for Fire Prevention During Welding, Cutting and Other Hot Work" published by the National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169.

Canada: CSA Standard CAN/CSA-W117.2-01 "Safety in Welding, Cutting and Allied Processes"

ESAB requests the users of this product to study this Safety Data Sheet (SDS) and become aware of product hazards and safety information. To promote safe use of this product a user should:

- notify its employees, agents and contractors of the information on this SDS and any product hazards/safety information.
- furnish this same information to each of its customers for this product.
- request such customers to notify employees and customers for the same product hazards and safety information.

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