



SAFETY DATA SHEET

1. Identification of the Substance / Preparation and Company

ProKlenz Booster
Process and Research Cleaner
Product No. 1609
MSDS No. 1609

Prepared by: M. Ebers

Date Created: January 31, 2005

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NFPA 704 HAZARD RATING:

HEALTH: 1

FIRE: 0

REACTIVITY: 1

Date Reviewed: NA

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2. Composition/Information on Ingredients

Hazardous Component	% By Wt.	CAS No.	EU No.	Symbol	R Phrases	Oral LD ₅₀	LC ₅₀
Hydrogen peroxide	3 - 7	7722-84-1	231-765-0	O, C	5, 8, 20/22, 35	1193 mg/kg (rat)	>0.17 mg/l - 50% H ₂ O ₂ (rat)

3. Hazards Identification

May cause skin irritation. Risk of serious damage to eyes.

4. First Aid Measures

Eye Contact: Flush eyes immediately with water for at least 15 minutes. Get medical attention.

Skin Contact: Flush skin immediately with water for at least 15 minutes. Get medical attention if irritation persists.

Inhalation: Remove patient to fresh air. If not breathing, give artificial respiration. Get medical attention.

Ingestion: Do not induce vomiting. Get medical attention. Do not give anything by mouth to an unconscious person. If conscious, drink a large quantity of milk or water.

5. Fire-Fighting Measures

Conditions of Flammability/Flash Point/Auto-ignition Temperature: Not flammable.

Upper Flammable Limit: NA **Lower Flammable Limit:** NA

Special Hazards: Contains hydrogen peroxide. Decomposition will release oxygen.

Explosibility Data: ND **Extinguishing Media:** Use media appropriate for the primary source of fire.

Special Fire Fighting Procedures: None known. **Hazard Combustion Products:** CO, CO₂

6. Accidental Release Measures

Spills may be picked up with a mop and followed by a water rinse. Small spills may be flushed to a sanitary sewer with copious amounts of water if in accordance with National and local regulations.

7. Handling and Storage

7.1 Handling

Wash hands thoroughly after use.

7.2 Storage

Avoid exposure to high temperature or humidity. Keep container closed when not in use.

8. Exposure Control/Personal Protection

8.1 Occupational Exposure Limits

Hydrogen peroxide: ACGIH TLV and OSHA PEL = 1 ppm; UK HSE EH40 STEL = 2 ppm; IDLH = 75 ppm

8.2 Personal Protection

Respirator Protection: Not required for normal use. If product is applied by means of spraying and ventilation is not sufficient to maintain levels below exposure limits, a NIOSH N95 is the minimum required respirator type.

Eye Protection: Safety glasses.

Protective Gloves: Rubber.

Other Protective Clothing and Equipment: Clothes sufficient to avoid contact.

Engineering Controls/Ventilation: Adequate to maintain levels below exposure limits.

9. Physical and Chemical Properties

Solubility in Water: Complete **Specific Gravity:** Approximately 1.04

Physical State/Appearance/Odor: Light amber liquid Slight chemical odor. **pH:** Approximately 4.5 – 6.0

Odor Threshold, Vapor Pressure, Vapor Density, Evaporation Rate, Boiling Point and Freezing Point: ND

Coefficient of Water/Oil Distribution: NA

10. Stability and Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur.

Incompatible Materials: Cyanides, hexavalent chromium compounds, nitric acid, potassium permanganate, oxidizers, reducers, combustible materials and flammable vapors.

Conditions to Avoid/Conditions of Reactivity: Heat and light.

Hazardous Decomposition or Byproducts: aldehydes, CO and CO₂ in fire situations. Contamination may cause rapid decomposition, oxygen gas release and dangerous pressures. May react dangerously with alkalis, copper, dirt, dust, iron, heavy metals and their salts and with organic materials (especially vinyl monomers).

11. Toxicological Information

11.1 Acute (Primary Routes of Exposure)

Eyes (Irritancy): Irritating to eyes.

Skin (Irritancy or Sensitization): Irritating to skin. Not a skin sensitizer.

Inhalation: Vapors or mists may be irritating to nose, throat and lungs.

Ingestion: May cause upset to gastrointestinal tract.

11.2 Long Term Exposure

Carcinogenicity: IARC, NTP and OSHA do not list this product or its ingredients as carcinogens.

Reproductive Toxicity/Teratogenicity/Mutagenicity/Toxicologically Synergistic Products: ND

12. Ecological Information: The surfactants in the product comply with the EU Detergents Directive 684/2004 for biodegradability.

13. Disposal Considerations

Dispose in accordance with local, state, and Federal regulations. Empty containers should be rinsed and discarded in a waste container or offered for recycling if possible. Do not use empty containers for other purposes.

14. Transport Information

Ground: Non-hazardous

Sea: IMDG Class: Non-hazardous

Air: Do not ship by air transport due to the existence of a vented closure necessitated by potential of pressure increase due to release of oxygen.

15. Regulatory Information

EU Regulations: This preparation is classified as dangerous as defined by the UK Chemicals (Hazard Information and Packaging for Supply) Regulations. These regulations implement a number of EC Directives including the Dangerous Substances Directive (67/548/EEC and amendments), the Dangerous Preparations Directive (1999/45/EEC and amendments) and the Safety Data Sheets Directive (91/155/EEC and amendment).

EU Classification: IRRITANT

Hazard Symbol: Xi

Risk Phrases: R38: Irritating to skin. R41: Risk of serious damage to eyes.

Safety Phrases: S24: Avoid contact with skin. S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

S2: Keep out of reach of children

WHMIS Classification: D2 – Materials Causing Other Toxic Effects (Irritant)

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the Controlled Products Regulation.

16. Other Information

The information on this sheet is not a specification and does not guarantee specific properties. The information is intended to provide general knowledge as to health and safety based upon our knowledge of the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product or where instructions or recommendations are not followed.

NA - Not Applicable

ND - No Data