

WIRELOCK BOOSTER PACK

ST-R-WIR

MSDS Revision Date (mm/dd/yyyy): 11/30/2010

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MATERIAL SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product identifier : **WIRELOCK BOOSTER PACK**

Product Use : Accelerator used for attaching wire rope to a socket.

Chemical Family : Mixture.

Manufacturer part no. : ST-R-WIR

Supplier's name and address:

**STRIDER-RESOURCE A Division of the
O'Rourke Marketing Corporation Ltd.**

5667 King Road
Box 370
Nobleton, ON, Canada
LOG 1N0

Manufacturer's name and address:

Millfield Enterprises Limited

16 Shelley Road
Newburn Industrial Estate, Newburn
Newcastle Upon Tyne NE15 9RT
England

Information Telephone # : (905) 859-3901

24 Hr. Emergency Tel # : Not available.

SECTION 2 - HAZARDS IDENTIFICATION

Classification : WHMIS information: This product is a WHMIS Controlled Product. It meets one or more of the criteria for a controlled product provided in Part IV of the Canadian Controlled Products Regulations (CPR).

WHMIS classification:

- Class B4 (Flammable Solids);
- Class C (Oxidizing Material);
- Class D2B (Materials Causing Other Toxic Effects, Toxic Material);
- Class F (Dangerously Reactive Material).

Labelling: Phrases recommended to appear on a supplier label, can be found in Section 15.

WHMIS symbols required on a supplier label:



Emergency Overview

: Fine, white powder with no odour.
DANGER! Oxidizer Contact with combustible material may cause fire. Reactive flammable solid. Risk of explosion by shock, friction, fire or other sources of ignition. May cause eye irritation. May cause allergic skin reaction.

POTENTIAL HEALTH EFFECTS:

Signs and symptoms of short-term (acute) exposure

Inhalation : May cause irritation to the nose, throat and upper respiratory tract. Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough.

Skin : Direct skin contact may result in little or no irritation. May cause irritation, redness and pain.

Eyes : May cause mild to moderate irritation.

Ingestion : May cause irritation of mouth, throat, and stomach. Symptoms may include pain, nausea and vomiting.

Effects of long-term (chronic) exposure

: None known or reported by the manufacturer.

Carcinogenic status : See TOXICOLOGICAL INFORMATION, Section 11.

Additional health hazards : Possible sensitizer. See TOXICOLOGICAL INFORMATION, Section 11.

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Potential environmental effects

: See ECOLOGICAL INFORMATION, Section 12.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>CAS #</u>	<u>Wt.%</u>
Dibenzoyl peroxide	94-36-0	10.00 - 20.00

SECTION 4 - FIRST AID MEASURES

- Inhalation** : Immediately remove person to fresh air. Consult a physician for severe cases.
- Skin contact** : Remove contaminated clothing. Flush with cool running water. If irritation or symptoms develop, seek medical attention.
- Eye contact** : Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
- Ingestion** : Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.
- Notes For Physician** : Treat symptomatically.

SECTION 5 - FIRE FIGHTING MEASURES

Fire hazards/conditions of flammability

- : Flammable solid. Risk of explosion by shock, friction, fire or other sources of ignition. Strong oxidizer which will promote combustion. Contact with combustible material may cause fire. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure.

- Oxidizing properties** : Strong oxidizer which will promote combustion. Contact with combustible material may cause fire.

Explosion data: Sensitivity to mechanical impact / static discharge

- : Sensitive to mechanical impact / static discharge. Unstable, can decompose explosively if exposed to high temperature, pressure or shock.

- Suitable extinguishing media** : Use water fog or fine spray. Some chemical extinguishing agents may react with this material.

Special fire-fighting procedures/equipment

- : Fight fires from a safe distance. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Move containers from fire area if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame.

Hazardous combustion products

- : Carbon oxides; Benzoic acid; Benzene; Nitrous gases; Terphenyls; Biphenyls.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

- Personal precautions** : All persons dealing with the clean-up should wear the appropriate chemically protective equipment. Keep all other personnel upwind and away from the spill/release. Restrict access to area until completion of clean-up. For personal protection see section 8.

- Environmental precautions** : Ensure spilled product does not enter drains, sewers, waterways, or confined spaces.

Spill response/cleanup

- : Ventilate area of release. Remove all sources of ignition. Pick up and transfer to properly labelled containers. Use methods that do not generate dusts. Flush any residue in the spill area with water. Do not flush into surface water or sanitary sewer system. Refer to Section 13 for disposal of contaminated material. Notify the appropriate authorities as required.

Prohibited materials

- : Keep away from flammable and combustible materials.

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SECTION 7 - HANDLING AND STORAGE

- Safe Handling procedures** : Use in a well-ventilated area. Wear suitable protective equipment during handling. Avoid breathing dust. Avoid contact with skin, eyes and clothing. Keep away from heat and flame. Keep away from combustible material. Keep away from acids and other incompatibles. Protect from damage. Keep containers tightly closed when not in use. Containers of this material may still retain hazardous residues even when emptied. Do not pressurize, cut, heat or weld empty containers. Wash thoroughly after handling.
- Storage requirements** : Store in a cool, dry, well-ventilated area. Store away from incompatibles and out of direct sunlight. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. No smoking in the area.
- Incompatible materials** : Acids; Strong oxidizing agents; Metals; Strong oxidizing agents; Amines; Metal oxides; Combustible materials; Polymerization catalysts & accelerators.
- Special packaging materials** : Always keep in containers made of the same materials as the supply container.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits

<u>Ingredients</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
Dibenzoyl peroxide	5 mg/m ³	N/Av	5 mg/m ³	N/Av

Ventilation and engineering measures

- : Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits. An explosion-proof local exhaust system is acceptable.

Respiratory protection

- : If the TLV is exceeded, a NIOSH/MSHA-approved respirator is advised. Advice should be sought from respiratory protection specialists.

Skin protection

- : Impervious gloves must be worn when using this product. Advice should be sought from glove suppliers.

Eye / face protection

- : Chemical splash goggles are recommended.

Other protective equipment

- : Other equipment may be required depending on workplace standards. An eyewash station and safety shower should be made available in the immediate working area.

General hygiene considerations

- : Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink, smoke or use cosmetics while working with this product. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: powder	Appearance	: white
Odour	: No odour.	Odour threshold	: N/Av
pH	: N/Av		
Boiling point	: N/Av	Specific gravity	: 2.29
Melting/Freezing point	: N/Av	Coefficient of water/oil distribution	: N/Av
Vapour pressure (mmHg @ 20° C / 68° F)	: N/Av	Solubility in water	: Nil
Vapour density (Air = 1)	: N/Av	Evaporation rate (n-Butyl acetate = 1)	: N/Av
Volatile organic Compounds (VOC's)	: N/Av	Volatiles (% by weight)	: N/Av
Flash point	: N/Av		
Flash point Method	: N/Av	Auto-ignition temperature	: > 380°C
Lower flammable limit (% by vol.)	: N/Av	Upper flammable limit (% by vol.)	: N/Av

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SECTION 14: TRANSPORT INFORMATION

Regulatory Information	UN Number	Shipping Name	Class	Packing Group	Label
TDG	None	Not regulated.	Not regulated	None	
TDG Additional information	None.				

SECTION 15 - REGULATORY INFORMATION

Labelling:

DANGER! Oxidizer Contact with combustible material may cause fire. Reactive flammable solid. Risk of explosion by shock, friction, fire or other sources of ignition. May cause eye irritation. May cause allergic skin reaction.

PRECAUTIONS: Use in a well-ventilated area. Wear suitable protective equipment during handling. Avoid breathing dust. Avoid contact with skin, eyes and clothing. Keep away from heat and flame. Keep away from combustible material. Keep away from acids and other incompatibles. Protect from damage. Keep container tightly closed when not in use. Containers of this material may still retain hazardous residues even when emptied. Do not pressurize, cut, heat or weld empty containers. Wash thoroughly after handling. Store in a cool, dry, well ventilated area, away from heat and ignition sources.

FIRST AID: If inhaled, move to fresh air. Consult a physician for severe cases. In case of skin contact, flush contaminated skin with plenty of water. Remove contaminated clothing. If irritation develops, get medical attention. For eye contact, flush with running water for at least 15 minutes. Get medical attention. If ingested, do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.

Refer To Material Safety Data Sheet for further information.

Canadian Information:

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

WHMIS information: Refer to Section 2 for a WHMIS Classification for this product.

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

US Federal Information:

TSCA: All listed ingredients appear on the Toxic Substances Control Act (TSCA) inventory.

SECTION 16 - OTHER INFORMATION

Legend : ACGIH: American Conference of Governmental Industrial Hygienists
CAS: Chemical Abstract Services
HSDB: Hazardous Substances Data Bank
IARC: International Agency for Research on Cancer
Inh: Inhalation
LC: Lethal Concentration
LD: Lethal Dose
MSHA: Mine Safety and Health Administration
N/Ap: Not Applicable
N/Av: Not Available
NIOSH: National Institute of Occupational Safety and Health
NTP: National Toxicology Program
OSHA: Occupational Safety and Health Administration
PEL: Permissible exposure limit

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RTECS: Registry of Toxic Effects of Chemical Substances
STEL: Short Term Exposure Limit
TDG: Canadian Transportation of Dangerous Goods Act & Regulations
TLV: Threshold Limit Values
TWA: Time Weighted Average
WHMIS: Workplace Hazardous Materials Identification System

References

- : 1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices for 2010.
- 2. International Agency for Research on Cancer Monographs, searched 2010.
- 3. Canadian Centre for Occupational Health and Safety, CCIInfoWeb databases, 2010 (Chempendium, HSDB and RTECs).
- 4. Material Safety Data Sheets from manufacturer (Millfield Enterprises Limited, England - March 26, 1996).

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Revision Information

- : Sections 2 and 3, switched.
- (M)SDS sections updated:
 - 2. HAZARDS IDENTIFICATION;
 - 3. COMPOSITION/INFORMATION ON INGREDIENTS;
 - 5. FIRE-FIGHTING MEASURES;
 - 9. PHYSICAL AND CHEMICAL PROPERTIES;
 - 10. STABILITY AND REACTIVITY;
 - 11. TOXICOLOGICAL INFORMATION;
 - 12. ECOLOGICAL INFORMATION;
 - 15. REGULATORY INFORMATION.

END OF DOCUMENT