

# MATERIAL SAFETY DATA SHEET

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## SECTION 1 – PRODUCT INFORMATION

<b>Blackfast Chemicals Ltd.</b> <i>Manufacturers name</i>	<b>020 - 8336 2900</b> <i>Telephone number</i>
<b>78 Coombe Road, New Malden, Surrey KT3 4QS, England</b> <i>Manufacturers Address</i>	
<i>Product identification :</i> <b>BLACKFAST 181 BLACKING SOLUTION</b>	<i>Product ID #</i> 181-25L, 181-4PK, 181-5L, 181-25LU, 181-4PKU, 181-5LU
<i>Product use:</i> <b>Blacking of iron and steel</b>	<i>Size:</i> 25 litre, 4 pack, 5 litre
<i>Suppliers name:</i> <b>e-Black Solutions</b>	<i>Emergency #:</i> <b>1-866-878-8886</b>
<i>Address:</i> <b>120 Homewood Avenue, Suite 3708, Toronto, Ontario, Canada M4Y 2J3</b>	

## SECTION 2 – HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	CAS NUMBER	LD50 OF INGREDIENT
<b>Selenium Compound as Se</b>	<1%	<b>7446-08-4</b>	<b>Oral Rat 1-15 mg/kg Oral Rabbit 4 mg/kg</b>
<b>Copper Compound as Cu</b>	<1%	<b>7440-50-8</b>	<b>Oral Rat 750 mg/kg</b>
<b>Nickel Compound as Ni</b>	<1%	<b>7786-81-4</b>	<b>Oral Rat 500 mg/kg Oral Mice 21 mg/kg</b>

This product contains no other hazardous ingredients

## SECTION 3 – PHYSICAL DATA

<b>Liquid</b> <i>Physical state</i>	<b>Odourless Blue Liquid</b> <i>Colour and appearance</i>		<b>NA</b> <i>Odour threshold</i>	
<b>NA</b> <i>Vapor pressure</i>	<b>NA</b> <i>Vapor density</i>	<b>NA</b> <i>Evaporation rate</i>	<b>100° C</b> <i>Boiling point</i>	<b>0° C</b> <i>Freezing Point</i>
<b>3.5 - 4</b> <i>pH</i>	<b>1.18 @ 20° C</b> <i>Specific Gravity</i>		<b>Complete</b> <i>Solubility/ Miscibility in water</i>	

## SECTION 4 – FIRE OR EXPLOSION HAZARD

<i>Conditions of Flammability:</i> <b>Not Flammable, Will not support combustion</b>		
<i>Means of extinction:</i> <b>NA</b>		
<b>NA</b> <i>Flash point and method</i>	<b>NA</b> <i>Upper flammable limit</i>	<b>NA</b> <i>Lower flammable limit</i>
<b>NA</b> <i>Auto-ignition temperature</i>	<b>NA</b> <i>Hazardous combustion products</i>	
<i>Explosion Data:</i>	<b>NO</b> <i>Sensitivity to mechanical impact</i>	<b>NO</b> <i>Sensitivity to static discharge</i>

## SECTION 5 – REACTIVITY DATA

<i>Chemical stability:</i> <b>Solution is stable under normal conditions.</b>
<i>Incompatibility with other substances:</i> <b>NE</b>
<i>Reactivity and under what conditions?:</i> <b>Avoid temperatures above 40° C and below 5° C. Irritant gases may be released above 50° C. Avoid sources of ignition.</b>
<i>Hazardous decomposition products:</i> <b>Oxides of Carbon, Phosphorus, Selenium, Chlorine and Chlorine Oxides.</b>

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**SECTION 6 – HEALTH HAZARD DATA (TOXICOLOGICAL PROPERTIES)**

*Route of entry:* Skin contact, eyes contact, inhalation and ingestion.

*Effects of acute exposure to the product:* NE

*Effect of chronic exposure to product:* NE

Nickel Compound 8 hr TWA 0.1 mg/m <sup>3</sup> Selenium Compound 8 hr TWA 0.1 mg/m <sup>3</sup> Copper Compound 8 hr TWA 0.1 mg/m <sup>3</sup> OSHA (PELs) Exposure limits	NE <i>Irritancy of product</i>	NE <i>Sensitization to product</i>	NE <i>Carcinogenicity</i>
NE <i>Teratogenicity</i>	NE <i>Reproductive toxicity</i>	NE <i>Mutagenicity</i>	NE <i>Synergistic products</i>

**SECTION 7 – PREVENTIVE MEASURES****Personal protective equipment:**

PVC GLOVES <i>Gloves (specify)</i>	NA <i>Respirator (specify)</i>	SAFETY GOGGLES <i>Eyes (specify)</i>
NA <i>Footwear (specify)</i>	RUBBER APRON <i>Clothing (specify)</i>	Other (specify)

*Engineering controls (specify: ex. ventilation, enclosed process, etc.)*

**Local exhaust ventilation is recommended when in continuous use.**

*Leak and spill procedure:* Absorb liquid in absorbent clay granules.

*Waste disposal:* According to government regulations.

*Handling procedures and equipment:* Avoid inhaling the vapor. Avoid contact with skin and eyes. When using, do not eat, drink or smoke.

*Storage requirements:* Store in clean, dry conditions. Keep container closed and ensure label intact and legible. Prevent from freezing. Cover when not in use.

*Shipping information:* No special precautions are necessary.  
WHMIS CLASSIFICATION: N/A (Not Controlled)

**SECTION 8 – FIRST AID MEASURES**

*Specific measures:*

**SKIN:** Remove contaminated clothing and wash skin with plenty of water. Seek medical aid.

**EYES:** Flush with clean water immediately for 10 minutes. Seek medical aid.

**INHILATION:** Harmful. Remove to fresh air. Seek medical aid.

**INGESTION:** Harmful. Gargle, rinse mouth and drink plenty of water. Do not induce vomiting. Seek medical aid.

**SECTION 9 – PREPARATION INFORMATION**

e-Black Solutions Tel: 1-866-878-8886

December 2011, replaces all previous issues

**NOTE:**

**NA:** Not Applicable

**NE:** Not Established

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