

MATERIAL SAFETY DATA SHEET

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SECTION 1 – PRODUCT INFORMATION

Blackfast Chemicals Ltd. <i>Manufacturers name</i>	++44(0)20 8339 7370 <i>Telephone number</i>
Unit B, 121 Roebuck Road, Chessington, Surrey, UK, KT9 1EU <i>Manufacturers Address</i>	
<i>Product identification :</i> BLACKFAST 181 BLACKING AGENT	<i>Product ID #</i> 181-25L, 181-4PK, 181-5L, 181-25LU, 181-4PKU, 181-5LU
<i>Product use:</i> Blackening of iron and steel	<i>Size:</i> 25 litre, 4 pack, 5 litre
<i>Suppliers name:</i> e-Black Solutions	<i>Emergency #:</i> 1-866-878-8886
<i>Address:</i> 97 Wilkes Street, Brantford, Ontario, Canada N3T 4W2	

SECTION 2 – HAZARDOUS INGREDIENTS

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

This product contains no other hazardous ingredients

SECTION 3 – PHYSICAL DATA

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

SECTION 4 – FIRE OR EXPLOSION HAZARD

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

SECTION 5 – REACTIVITY DATA

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

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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 ³ Selenium Compound 8 hr TWA 0.1 mg/m ³ Copper Compound 8 hr TWA 0.1 mg/m ³ 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

June 2023, replaces all previous issues

NOTE:

NA: Not Applicable

NE: Not Established

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