

MATERIAL SAFETY DATA SHEET

PAGE 1

SECTION 1 – PRODUCT INFORMATION

Blackfast Chemicals Ltd. <i>Manufacturers name</i>	++44(0)20 8339 7370 <i>Telephone number</i>
Unit #5, Russell House, Molesey Road, Walton-on-Thames, Surrey, United Kingdom KT12 3PE <i>Manufacturers Address</i>	
Product identification : BLACKFAST 181 BLACKING AGENT	Product ID # 181-25L, 181-4PK, 181-5L, 181-25LU, 181-4PKU, 181-5LU
Product use: Blacking of iron and steel	Size: 25 litre, 4 pack, 5 litre
Suppliers name: e-Black Solutions	Emergency #: 1-866-878-8886
Address: 13 Whitehall Lane, Cambridge, Ontario, Canada N1R 8N3	

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

Conditions of Flammability: Not Flammable, Will not support combustion		
Means of extinction: 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>	
Explosion Data:	NO <i>Sensitivity to mechanical impact</i>	NO <i>Sensitivity to static discharge</i>

SECTION 5 – REACTIVITY DATA

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

Continued to page 2

SECTION 6 – HEALTH HAZARD DATA (TOXICOLOGICAL PROPERTIES)			
<i>Route of entry:</i> Skin contact, eyes contact, inhalation and ingestion.			
<i>Effects of acute exposure to the product:</i> NE			
<i>Effect of chronic exposure to product:</i> 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)
<i>Engineering controls (specify: ex. ventilation, enclosed process, etc.)</i> Local exhaust ventilation is recommended when in continuous use.		
<i>Leak and spill procedure:</i> Absorb liquid in absorbent clay granules.		
<i>Waste disposal:</i> According to government regulations.		
<i>Handling procedures end equipment:</i> Avoid inhaling the vapor. Avoid contact with skin and eyes. When using, do not eat, drink or smoke.		
<i>Storage requirements:</i> Store in clean, dry conditions. Keep container closed and ensure label intact and legible. Prevent from freezing. Cover when not in use.		
<i>Shipping information:</i> No special precautions are necessary. WHMIS CLASSIFICATION: N/A (Not Controlled)		

SECTION 8 – FIRST AID MEASURES
<i>Specific measures:</i>
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 October 2020, replaces all previous issues

NOTE:	NA: Not Applicable	NE: Not Established
--------------	---------------------------	----------------------------

THE INFORMATION CONTAINED HEREIN DERIVES FROM DATA CONSIDERED TO THE BEST OF KNOWLEDGE TO BE ACCURATE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THIS DATA OR THE RESULTS OBTAINED FROM THE USE THEREOF.