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Section 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product Code	17044
Product Name	Sovereign Black
Product Category	Ink Product

1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended uses	Printing operations
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1.3 Details of the supplier of the safety data sheet

#16-20 Wertheim Crt. Richmond Hill,
ON L4B 3A8

Telephone: +1 905 482 3106
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Section 2. HAZARDS IDENTIFICATION

2.1 Classification of substance or mixture

Aspiration Toxicity

Category 1 –(H304)

2.2 Label Elements




Signal Word

Danger

Hazard Statements

H304 – May be fatal if swallowed and enters airways

Precautionary Statements

P331 – Do NOT induce vomiting 

2.3 Hazards not otherwise classified (HNOC)

General Hazards

No information available.

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

Component	CAS-No	Weight %	Trade Secret	Note
Distillates, petroleum, hydrotreated middle	97-64-3	30-60		1
Petroleum distillates, hydrotreated light	53651-69-7	10 - 30		
Carbon black	108-94-1	10 - 30		1

*The exact percentage (concentration) of composition has been withheld as a trade secret

Section 4. FIRST AID MEASURES

4.1 Description of first aid measures

General Advice

Show this safety data sheet to the doctor in attendance.

Eye Contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention if irritation develops and persists.

Skin Contact

Wash off immediately with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. If irritation (redness, rash, blistering) develops, get medical attention.

Inhalation

Remove person to fresh air and keep comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. Get medical attention immediately.

Ingestion

Do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

None under normal use conditions.

4.3 Indication of any immediate symptoms and effects, both acute and delayed

Note to Physician

Treat Symptomatically.

Section 5. FIRE FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media

Foam. Carbon dioxide (CO₂). Dry chemical. Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

No information available

5.2 Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapors. May emit toxic fumes under fire conditions.

5.3 Advice for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers / tanks with water spray. Sealed containers may rupture when heated.

5.4 Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers/tanks with spray. Sealed containers may rupture when heated.

Section 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precaution, protective equipment and emergency procedures

Remove all sources of ignition. Ventilate the area. Avoid contact with eyes, skin and clothing. Avoid breathing dust or vapor. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

6.2 Environmental precautions

Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. Keep out of drains, sewers, ditches and waterways. Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and materials for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Use clean non-sparking tools to collect absorbed material.

Section 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Handling	Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Ensure adequate ventilation.
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7.2 Conditions for safe storage, including any incompatibilities

Control parameters	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep container closed when not in use. Keep out of the reach of children.
Incompatible products	Strong acids. Strong bases. Strong oxidizing agents. Reducing agents.

Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Exposure limits

Component	ACGIH TLV
Carbon black 1333-86-4	TWA: 3 mg/m ³ (inhalable fraction)

Component	OSHA PEL
Carbon black 1333-86-4	TWA: 3.5 mg/m ³

Component	Ontario TWAEV
Carbon black 1333-86-4	TWA: 3.5 mg/m ³

Component	Mexico OEL (TWA)
Carbon black 1333-86-4	TWA: 3.5 mg/m ³ STEL/LMPE-CT: 7 mg/m ³

8.2 Exposure controls

Engineering Measures

Provide a good standard of general ventilation. Natural ventilation is from doors, windows etc. Controlled ventilation means air is supplied or removed by a powered fan. Users are advised to consider national Occupational Exposure Limits or other equivalent values. In case of insufficient ventilation, wear suitable respiratory equipment.

Individual protection measures, such as Personal Protective Equipment

Eye/Face Protection

Wear safety glasses with side shields (or goggles). If splashes are likely to occur: Wear suitable face shield. Ensure that eyewash stations and safety showers are close to the workstation location. Safety glasses with side-shields. Goggles. Face-shield. Avoid contact with eyes. Ensure that eyewash stations and safety showers are close to the workstation location.

Skin Protection

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice. Wash hands before eating, drinking or smoking. Wash contaminated clothing before reuse. Avoid contact with eyes, skin and clothing. Wear suitable gloves and eye/face protection. Regular cleaning of equipment, work area and clothing is recommended.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Important on basic physical and chemical properties

Physical State

Liquid

Appearance

Colored Liquid

Odor	Characteristic	Odor Threshold	No information available
Property	Values	Remarks	
pH		No data available	
Melting point/freezing point		No data available	
Boiling point/Boiling Range	> 149 °C / 300 °F		
Flash Point	> 94 °C / > 201 °F	No data available	
Evaporation rate		No data available	
Flammability Limit in Air			
Upper flammability limit		No data available	
Lower flammability limit		No data available	
Vapor Pressure		No data available	
Vapor Density		No data available	
Specific Gravity	0.86		
Water Solubility		No data available	
Solubility in other solvents		No data available	
Partition coefficient: n-octanol/water		No data available	
Autoignition Temperature		No data available	
Decomposition Temperature		No data available	
Kinematic viscosity		No data available	
Dynamic viscosity		No data available	
Explosive Properties	No data available		
Oxidizing Properties	No data available		

9.2 Other Information

Photochemically Reactive	No
Weight Per Gallon (lbs/gal)	7.14

VOC by weight % (less water)	VOC by volume % (less water)	VOC lbs/gal (less water)	VOC grams/liter (less water)
84.5	85.69	6.04	723.88

Section 10. STABILITY AND REACTIVITY

10.1 Reactivity

No information available

10.2 Chemical Stability

Stable under normal conditions

10.3 Possibility of Hazardous Reactions

None under normal conditions

10.4 Conditions to avoid

Keep away from open flames, hot surfaces and sources of ignition

10.5 Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents. Reducing agent

10.6 Hazardous decomposition products

Thermal decomposition can lead to release of irritating gases and vapors. Carbon dioxide (CO₂).

Carbon monoxide.

Section 11. TOXICOLOGY INFORMATION

11.1 Information on toxicological effects

Acute Toxicity

Inhalation	There is no data for this product.
Eye Contact	There is no data for this product.
Skin Contact	There is no data for this product.
Ingestion	There is no data for this product.

Component	Oral LD50
Distillates, petroleum, hydrotreated. middle 64742-46-7	7400 mg/kg (Rat)
Petroleum distillates, hydrotreated light 64742-47-8	>5000 mg/kg (Rat)
Carbon black 1333-86-4	7400 mg/kg (Rat)

Component	LD50 Dermal
Distillates, petroleum, hydrotreated. middle 64742-46-7	>2000 mg/kg (Rat)
Petroleum distillates, hydrotreated light 64742-47-8	>2000 mg/kg (Rat)
Carbon black 1333-86-4	>3 g/kg (Rabbit)

Component	Inhalation LC50
Distillates, petroleum, hydrotreated. middle 64742-46-7	4.6mg/L (Rat) 4 h
Petroleum distillates, hydrotreated light 64742-47-8	>5.2 mg/L (Rat) 4 h

11.2 Information on toxicological effects

Symptoms There is no data for this product

11.3 Delayed and immediate effect as well as chronic effects from short and long-term exposure

Skin corrosion/irritation There is no data for this product
Eye damage/irritation There is no data for this product
Sensitization There is no data for this product
Mutagenic Effects There is no data for this product
Carcinogenic effects There is no data for this product
Reproductive Effects There is no data for this product

STOT – single exposure There is no data for this product
STOT – repeated There is no data for this product

exposure**Aspiration Hazard**

No information available.

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen

Component

Carbon black 1333-86-4

ACGIH

A3

Component

Carbon black 1333-86-4

IARC

Group 2B

Component

Carbon black 1333-86-4

OSHA

X

Numerical Measures of toxicity – Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	7,595.00 mg/kg
ATEmix (dermal)	2,236.00 mg/kg mg/l
ATEmix (inhalation-dust/mist)	30.70 mg/l

Section 12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

None known

0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Component	Fish
Distillates, petroleum, hydrotreated middle 64742-46-7	96h LC50 Pimephales promelas: 35 mg/L [flow-through] 96h LC50 Pimephales promelas: >10000 mg/L (static)

Component	Fish
Petroleum distillates, hydrotreated light 64742-47-8	96h LC50 Den-dronereides heteropoda: 4720 gm/L
Carbon black 1333-86-4	24h EC50 Daphnia magna: >5600 mg/L

12.2 Persistence and degradability

No information available

12.3 Bio accumulative potential

No information available

Component
Propyl Alcohol

Partition coefficient
0.34

12.4 Mobility in Soil

No information available

12.5 Results of PBT and vPvB assessment

This mixture contains no substance considered to be persistent, bio accumulating or toxic (PBT).

This mixture contains no substance considered to be very persistent or very bio accumulating (vPvB).

12.6 Other adverse effects

No information available

Section 13. DISPOSAL CONSIDERATIONS

13.1 Water treatment methods

Waste from residues/unused products Contain and dispose of waste according to local regulations.

Contaminated Packaging Empty containers should be taken to an approved waste handling site for recycling or disposal

Section 14. TRANSPORT CONSIDERATIONS

DOT

Proper Shipping Name

Not regulated

Printing ink

ICAO/IATA/IMDG/IMO

Proper Shipping Name

Not regulated

Printing ink

Section 15. REGULATORY INFORMATION

15.1 International Inventories

All components are listed on the TSCA Inventory. For further information, please contact: Supplier (manufacturer/importer/downstream user/distributor)

15.2 U.S. Federal Regulations

SARA 313

Section 313 of the Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any hazardous air pollutants (HAP), as defined by the US Clean Air Act Section 112 (40 CFR 61)

U.S. State Regulations

Component	Massachusetts Right to know
Carbon black 1333-86-4	X

Component	Minnesota Right to know
Carbon black 1333-86-4	X

Component	New Jersey Right to know
Carbon black 1333-86-4	X

Component	Pennsylvania Right to know
Carbon black 1333-86-4	X

California Prop.65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm

Component

Carbon Black

California Prop 65

Carcinogen

**This product contains carbon black in a non-respirable form. Inhalation of carbon black is unlikely to occur from exposure to this product*

Canada**Component**

Petroleum distillates, hydrotreated light 64742-47-8

NPRI National Pollutant Release Inventory

Part 5, Other Groups and Mixtures

Section 16. OTHER INFORMATION

HMIS:	Health	Flammability	Reactivity	Personal Protection
	1*	1	0	X

Key or legend to abbreviations and acronyms used in the safety data sheet**Legend – Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	Time-weighted average
STEL	Short Term Exposure Limit
Ceiling	Maximum limit value

ACGIH: (American Conference of Government Industrial Hygienists)

A1 – Known Human Carcinogen

A2 – Suspected Human Carcinogen

A3 – Animal Carcinogen

IARC: (International Agency for Research on Cancer)

Group 1- Carcinogenic to Humans

Group 2A – Probably Carcinogenic to Humans

Group 2B – Possibly Carcinogenic to Humans

NTP: (National Toxicity Program)

Known – Known Carcinogen

Reasonably Anticipated to be a Human Carcinogen

OSHA (Occupational Safety & Health Administration)

X - Present

Issuing Date

12-December-2018

Disclaimer

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Date Sheet
