Safety Data Sheet

according to OSHA HCS 2012 (CFR 29 1910.1200)

1 Identification

· **Product identifier:**

· **Product Name:** Epicote HP Black

· **Product Number:** 79021

· **Relevant identified uses of the substance or mixture and uses advised against:**
No further relevant information available.

· **Manufacturer/Supplier:**
No Skidding Products, Inc.
266 Wildcat Road
Toronto, Ontario
Canada M3J 2N5

· **Information telephone number:**
Toll Free 1-800-375-0571
Local 416-667-1788

· **Emergency telephone number:** Canutec: 1-613-996-6666

2 Hazard identification

· **Classification of the substance or mixture:**

Flam. Liq. 3	H226	Flammable liquid and vapor.
Skin Sens. 1	H317	May cause an allergic skin reaction.
Muta. 1B	H340	May cause genetic defects.
Carc. 1A	H350	May cause cancer.
Repr. 2	H361	Suspected of damaging fertility or the unborn child.
Asp. Tox. 1	H304	May be fatal if swallowed and enters airways.

· **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms:**

GHS02 GHS07 GHS08

· **Signal word:** Danger

· **Hazard-determining components of labeling:**
Quartz (SiO2)
Distillates (petroleum), hydrotreated light
Naphtha (petroleum), hydrotreated heavy
cristobalite
ethanol
2-Ethylhexanoic Acid, Zirconium Salt
2-butanone oxime

· **Hazard statements:**
Flammable liquid and vapor.
May cause an allergic skin reaction.
May cause genetic defects.
May cause cancer.
Suspected of damaging fertility or the unborn child.
May be fatal if swallowed and enters airways.

· **Precautionary statements:**
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Use explosion-proof electrical/ventilating/lighting/equipment.
Avoid breathing dust/fume/gas/mist/vapors/spray
Wear protective gloves / eye protection / face protection.

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Ground/bond container and receiving equipment.
Keep container tightly closed.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Contaminated work clothing must not be allowed out of the workplace.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
If swallowed: Immediately call a doctor.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
Specific treatment (see on this label).
Wash contaminated clothing before reuse.
IF exposed or concerned: Get medical advice/attention.
If skin irritation or rash occurs: Get medical advice/attention.
Do NOT induce vomiting.
In case of fire: Use for extinction: CO2, sand, extinguishing powder.
Store locked up.
Store in a well-ventilated place. Keep cool.
Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Classification system:**
· **NFPA ratings (scale 0 - 4)**

Health = 2
Fire = 2
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**

Health = *2
Fire = 2
Reactivity = 0

· **Other hazards:**
· **Results of PBT and vPvB assessment:**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

3 Composition/information on ingredients

· **Chemical characterization: Mixture**
· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Hazardous components:**		
14808-60-7	Quartz (SiO2)	40-60%
64742-47-8	Distillates (petroleum), hydrotreated light	10-20%
471-34-1	calcium carbonate	10-20%
14464-46-1	cristobalite	2.5-5%
68855-54-9	Kieselguhr, soda ash flux-calcined	2.5-5%
64-17-5	ethanol	0.1-≤0.5%
64742-48-9	Naphtha (petroleum), hydrotreated heavy	0.1-≤0.5%
96-29-7	2-butanone oxime	0.1-≤0.5%
22464-99-9	2-Ethylhexanoic Acid, Zirconium Salt	0.1-≤0.5%

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4 First-aid measures:

· **Description of first aid measures:**
· **For inhalation:** Supply fresh air; consult doctor in case of complaints.
· **For skin contact:** Immediately rinse with water.
· **For eye contact:** Rinse opened eye for several minutes under running water.
· **For swallowing:**
Do not induce vomiting; immediately call for medical help.
A person vomiting while lying on their back should be turned onto their side.
· **Information for doctor:**
· **Most important symptoms and effects, both acute and delayed:** No further relevant information available.
· **Indication of any immediate medical attention and special treatment needed:**
No further relevant information available.

5 Fire-fighting measures:

· **Extinguishing media:**
· **Suitable extinguishing agents:** CO2, sand, extinguishing powder. Do not use water.
· **For safety reasons unsuitable extinguishing agents:** Water with full jet
· **Special hazards arising from the substance or mixture:** No further relevant information available.
· **Advice for firefighters:**
· **Protective equipment:** Wear self-contained respiratory protective device.

6 Accidental release measures:

· **Personal precautions, protective equipment and emergency procedures:**
Wear protective equipment. Keep unprotected persons away.
· **Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
· **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, universal binder or other inert absorbent).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents
· **Reference to other sections:**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage:

· **Handling:**
· **Precautions for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Prevent formation of aerosols.
· **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Keep respiratory protective device available.

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· **Conditions for safe storage, including any incompatibilities:**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:** No special requirements.
· **Information about storage in one common storage facility:** Not required.
· **Further information about storage conditions:**
Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
· **Specific end use(s):** No further relevant information available.

8 Exposure controls/personal protection:

· **Additional information about design of technical systems:** No further data; see item 7.

· **Control parameters:**

· **Components with limit values that require monitoring at the workplace:**	
14808-60-7 Quartz (SiO2)	
PEL	see Quartz listing
REL	Long-term value: 0.05* mg/m³ *respirable dust; See Pocket Guide App. A
TLV	Long-term value: 0.025* mg/m³ *as respirable fraction
471-34-1 calcium carbonate	
PEL	Long-term value: 15* 5** mg/m³ *total dust **respirable fraction
REL	Long-term value: 10* 5** mg/m³ *total dust **respirable fraction
TLV	TLV withdrawn
14464-46-1 cristobalite	
PEL	½ value from respirable dust formulae for Quartz
REL	Long-term value: 0.05* mg/m³ *respirable dust; See Pocket Guide App. A
TLV	Long-term value: 0.025* mg/m³ *as respirable fraction

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls:**
· **Personal protective equipment:**
· **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before eating, smoking, using the restroom and at the end of the workday.
Store protective clothing separately.
· **Breathing equipment:**
In case of brief exposure or low concentrations, use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
· **Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves:**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material:**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**

Tightly sealed goggles

9 Physical and chemical properties

· **Information on basic physical and chemical properties:**	
· **General Information:**	
· **Appearance:**	
Form:	Liquid
Color:	Black
· **Odor:**	Solvent Like
· **Odour threshold:**	Not determined.
· **pH-value:**	Not applicable.
· **Change in condition:**	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	> 157 °C (> 315 °F)
· **Flash point:**	41 °C (106 °F)
· **Flammability (solid, gaseous):**	Not applicable.
· **Ignition temperature:**	210 °C (410 °F)
· **Decomposition temperature:**	Not determined.
· **Auto igniting:**	Product is not selfigniting.
· **Danger of explosion:**	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· **Explosion limits:**	
Lower:	0.5 Vol %
Upper:	6.5 Vol %
· **Vapor pressure at 20 °C (68 °F):**	2 hPa (2 mm Hg)
· **Density at 20 °C (68 °F):**	1.578 g/cm³ (13.168 lbs/gal)
· **Relative density:**	Not determined.
· **Vapour density:**	Heavier than air.
· **Evaporation rate:**	Slower than ether.
· **Solubility in / Miscibility with:**	
Water:	Not miscible or difficult to mix.
· **Partition coefficient (n-octanol/water):**	Not determined.
· **Viscosity:**	
Dynamic:	Not determined.

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Kinematic:	Not determined.
· **Solvent content:**	
Organic solvents:	20.2 %
VOC content:	20.2 % <340 g/l
Solids content:	79.8 %
· **Other information:**	No further relevant information available.

10 Stability and reactivity

· **Reactivity:**
· **Chemical stability:**
· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
· **Possibility of hazardous reactions:** No dangerous reactions known.
· **Conditions to avoid:** Do not store or use near sparks, flame, or other ignition sources.
· **Incompatible materials:** Strong acids and alkalis, bleach, strong oxidizers.
· **Hazardous decomposition products:**
Burning may yield carbon monoxide, carbon dioxide, oxides of nitrogen, and various hydrocarbons.

11 Toxicological information

· **Information on toxicological effects:**
· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**		
64742-48-9 Naphtha (petroleum), hydrotreated heavy		
Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>3000 mg/kg (rab)

· **Primary irritant effect:**
· **on the skin:** No irritant effect.
· **on the eye:** No irritating effect.
· **Sensitization:** No sensitizing effects known.
· **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Carcinogenic.
The product can cause inheritable damage.

· **Carcinogenic categories:**

· **IARC (International Agency for Research on Cancer):**		
14808-60-7	Quartz (SiO2)	1
14464-46-1	cristobalite	1
64-17-5	ethanol	1
68955-83-9	Fatty Acids, C9-13-neo-, cobalt salts	2B
27253-31-2	Neodecanoic Acid,, cobalt salt	2B
56-23-5	carbon tetrachloride	2B
98-82-8	cumene	2B

· **NTP (National Toxicology Program):**		
14808-60-7	Quartz (SiO2)	K
14464-46-1	cristobalite	K
56-23-5	carbon tetrachloride	R

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98-82-8	cumene	R

· **OSHA-Ca (Occupational Safety & Health Administration):**
None of the ingredients is listed.

12 Ecological information

· **Toxicity:**
· **Aquatic toxicity:** No further relevant information available.
· **Persistence and degradability:** No further relevant information available.
· **Behavior in environmental systems:**
· **Bioaccumulative potential:** No further relevant information available.
· **Mobility in soil:** No further relevant information available.
· **Additional ecological information:**
· **General notes:**
Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
· **Results of PBT and vPvB assessment:**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **Other adverse effects:** No further relevant information available.

13 Disposal considerations

· **Waste treatment methods:**
· **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**
· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information:

· **UN-Number:**
· **DOT, IMDG, IATA** UN1263

· **UN proper shipping name:**
· **DOT** This material has a flash point at or above 38°C and may be reclassified as a combustible liquid. A combustible liquid in non-bulk packaging (≤450 liters; ≤119 gallons) is exempt from the DOT regulation when transported by ground.
Paint
· **IMDG, IATA** PAINT

· **Transport hazard class(es):**

· **DOT**

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· **Class**	3 Flammable liquids This material has a flash point at or above 38°C and may be reclassified as a combustible liquid. A combustible liquid in non-bulk packaging (≤450 liters; ≤119 gallons) is exempt from the DOT regulation when transported by ground.
· **Label**	3

· **IMDG, IATA**

· **Class**	3 Flammable liquids
· **Label**	3
· **Packing group:**	
· **DOT, IMDG, IATA**	III
· **Environmental hazards:**	
· **Marine pollutant:**	No
· **Special precautions for user:**	Warning: Flammable liquids
· **Danger code (Kemler):**	30
· **EMS Number:**	F-E,S-E
· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:**	Not applicable.
· **Transport/Additional information:**	
· **DOT**	
· **Quantity limitations:**	On passenger aircraft/rail: 60 L On cargo aircraft only: 220 L
· **IMDG**	
· **Limited quantities (LQ):**	5L
· **Excepted quantities (EQ):**	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· **UN "Model Regulation":**	UN1263, Paint, 3, III

15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
· **SARA:**

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

68955-83-9	Fatty Acids, C9-13-neo-, cobalt salts
67-56-1	methanol
27253-31-2	Neodecanoic Acid,, cobalt salt
56-23-5	carbon tetrachloride
111-77-3	2-(2-methoxyethoxy)ethanol
98-82-8	cumene

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

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· **Proposition 65:**

· **Chemicals known to cause cancer:**	
14808-60-7	Quartz (SiO2)
14464-46-1	cristobalite
56-23-5	carbon tetrachloride
98-82-8	cumene

· **Chemicals known to cause reproductive toxicity for females:**
None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**
None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**	
64-17-5	ethanol
67-56-1	methanol

· **Carcinogenic categories:**

· **EPA (Environmental Protection Agency)**		
56-23-5	carbon tetrachloride	L
98-82-8	cumene	D, CBD

· **TLV (Threshold Limit Value established by ACGIH)**		
14808-60-7	Quartz (SiO2)	A2
14464-46-1	cristobalite	A2
64-17-5	ethanol	A3
56-23-5	carbon tetrachloride	A2

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**	
14808-60-7	Quartz (SiO2)
14464-46-1	cristobalite
56-23-5	carbon tetrachloride

· **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
· **Hazard pictograms:**

GHS02 GHS07 GHS08

· **Signal word:** Danger

· **Hazard-determining components of labeling:**
Quartz (SiO2)
Distillates (petroleum), hydrotreated light
Naphtha (petroleum), hydrotreated heavy
cristobalite
ethanol
2-Ethylhexanoic Acid, Zirconium Salt
2-butanone oxime
· **Hazard statements:**
Flammable liquid and vapor.
May cause an allergic skin reaction.
May cause genetic defects.
May cause cancer.
Suspected of damaging fertility or the unborn child.

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May be fatal if swallowed and enters airways.

· **Precautionary statements:**
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Use explosion-proof electrical/ventilating/lighting/equipment.
Avoid breathing dust/fume/gas/mist/vapors/spray
Wear protective gloves / eye protection / face protection.
Ground/bond container and receiving equipment.
Keep container tightly closed.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Contaminated work clothing must not be allowed out of the workplace.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
If swallowed: Immediately call a doctor.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
Specific treatment (see on this label).
Wash contaminated clothing before reuse.
IF exposed or concerned: Get medical advice/attention.
If skin irritation or rash occurs: Get medical advice/attention.
Do NOT induce vomiting.
In case of fire: Use for extinction: CO2, sand, extinguishing powder.
Store locked up.
Store in a well-ventilated place. Keep cool.
Dispose of contents/container in accordance with local/regional/national/international regulations.

· **National regulations:**

· **Information about limitation of use:**
Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation.
Exceptions can be made by the authorities in certain cases.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing SDS:** No Skidding Technical
· **Date of preparation / last revision: 05/24/18**
· **Abbreviations and acronyms:**
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
Flam. Liq. 3: Flammable liquids, Hazard Category 3
Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
Muta. 1B: Germ cell mutagenicity, Hazard Category 1B
Carc. 1A: Carcinogenicity, Hazard Category 1A
Repr. 2: Reproductive toxicity, Hazard Category 2
Asp. Tox. 1: Aspiration hazard, Hazard Category 1