



Master Protective Coatings Inc.

## Product Description

MPC-190 is a 100% solids, two component epoxy countertop coating system. It is ideal coating kitchen or bathroom countertop as well as butcher-blocks and bartops. It has a low mixed viscosity that helps avoid excess air entrapment and allows for excellent. This product contains less than 50 g/L VOC and when mixed/cured properly meets the requirements for direct food contact by the Canadian Food Inspection Agency.

## Areas of application

- Coating kitchen/bathroom countertops
- Coating butcher-blocks and bartops

## Packaging and Product Coverage

MPC- 190 is offered in the following kit sizes:

- 3-gallon kit (7.56L resin (A) and 3.78L hardener (B))
- Bulk and special packaging also available upon request

Metallic pigments are offered in 6 oz containers (1 pigment pod per 3-gallon kit)

Coverage: 10 – 12 ft<sup>2</sup>/gallon @ 1/8”  
6 – 8 ft<sup>2</sup>/gallon @ 1/4”

## Surface Preparation

Remove dust, dirt, grease, oil and all other contaminants with proper cleaner/degreaser. A seal coat is recommended on very porous material to help prevent air bubble release during the curing process.

## Mixing and Product Application

Warm up the resin and hardener to 24 – 27 °C. This will improve the flow characteristics and bubble release. In a dry, clean container mix 2 parts of resin with 1 part of hardener. Be sure to scrape the sides and bottom of the mixing container while mixing. Mix for 3-4 minutes using a paint paddle. After mixing, transfer the mix into a similar mixing container and mix again for another 1-2 minutes.

Pour material into the mold. Wait 15 – 20 minutes then lightly pass a lit propane torch over the surface at a 45°-degree angle with the tip of the torch being at least 6 inches from the surface until all bubbles are gone. The carbon dioxide at the end of the flame helps facilitate bubble release and popping the bubbles. This will help ensure a glass like finish. If latent bubbles exit, a similar torching at 30 minutes may be

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needed. Drips may be sanded off after the item has cured. Pour the epoxy to a maximum of 1/4" thick. Mix only the amount that you need at one time and pour the mixture within 15 minutes. Unused resin and hardener should be left in original containers. Mix exact amounts of both resin and hardener in separate mixing cups. Do not add more hardener than resin, as this will cause the finished coating to remain sticky. Inaccurate measuring will cause epoxy surface to remain soft or sticky spots on the epoxy surface.

Clean equipment with xylene. Once the product has hardened, it may only be removed mechanically.

### Product Restrictions

- **MPC-190** should be stored in a dry place between 24° C and 27° C
- Keep out of the sun and out of reach of children.
- Resin and hardener should not be left in an open container.
- Application should be used where humidity is under 60% and temperature is between 21°- 29°C.
- Use a de-humidifier if needed.
- **MPC-190** should be used within one year of purchase.
- Surfaces may discolor in areas exposed to regular ultraviolet light.
- When properly mixed and cured, this epoxy system is safe for direct food contact. However, because the customer is mixing/pouring, each mixture/application would have to be assessed individually to say if it is 100% food safe.

### Health and Safety

Components A and B contain toxic and corrosive ingredients. Consult the safety data sheet (S.D.S) for further information.

### Technical Properties

Mix Ratio:	By volume: 2-parts resin (A) to 1-part hardener (B) By weight: 100g of resin (A) to 45g of hardener (B)
Viscosity:	Mixed: 650 – 750 cps

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## Physical Properties

Pot Life @ 25° C	55 minutes
Tack-Free Time @ 25° C	12-14 hours
Ideal Working Temperature Range	Optimal 24 - 27°C
Recommended Full Cure	7 days @ 25°C
Tensile Strength	6500 psi
Elongation	6.7%
Compression Strength	6800 psi
Tg Ultimate	95°C (203°F)
Hardness, Shore D	80 - 90
VOC g/L	< 50 g/L

## Disclaimer

The information and recommendations contained in this technical data sheet are based on reliable test results according to MPC. The data mentioned are specific to the material indicated. If used in combination with other materials, the results may be different. It is the responsibility of the user to validate the information therein and to test the product before using it. MPC assumes no legal responsibility for the results obtained in such cases. MPC assumes no legal responsibility for any direct, indirect, consequential, economic or any other damages except to replace the product or to reimbursement the purchase price, as set out in the purchase contract.

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**Section 1. Identification**

**Product identifier** MPC-190A

**Other means of identification** None

**Recommended use and restrictions on use** Epoxy Resin

**Initial manufacturer identifier** Master Protective Coatings Inc.  
 8615 rue du Creusot  
 St.-Leonard, Quebec H1P 2A8  
 1-800-324-5819

**Emergency telephone number/restriction on use** Canada – CANUTEC 24 hour number 613-996-6666

**Section 2. Hazard identification**

**Classification of hazardous product (name of the category or subcategory of the hazard class)**

- Skin irritation (Category 2)
- Sensitization – Skin (Category 1)
- Eye irritation (Category 2A)
- Hazardous to the aquatic environment – Chronic (Category 2)

**Information elements (symbols, signal words, hazard statements and precautionary statements of the category/subcategory)**



Warning

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H411 Toxic to aquatic life with long lasting effects.
- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
- P264 Wash hands/nails/face thoroughly after handling.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P280 Wear gloves/protective clothing/eye protection/face protection.
- P302+P352 IF ON SKIN, Wash with plenty of water for several minutes.
- P333 + P313 IF SKIN irritation or rash occurs: Get medical attention.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P305 + P351 + P338 IF IN EYES, Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337 + P313 If eye irritation persists: Get medical attention.
- P273 Avoid release to the environment.
- P391 Collect spillage.
- P501 Dispose of contents/container into safe container in accordance with local, regional or national regulations.

**Other hazards known** None

**Section 3. Composition/information on ingredients**

Chemical name (common name/synonyms)	CAS number or other	Concentration (%)*
Reaction product - Bisphenol A (Epichlorohydrin)	25068-38-6	60-100
Alkyl (C12-C14) glycidyl ether	68609-97-2	1-10
Benzyl Alcohol	100-51-6	1-10

\* Statement - This safety data sheet provides concentration range(s) instead of the actual concentration(s) considered trade secret(s).

**Section 4. First-aid measures**





<b>Inhalation</b>	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell. If experiencing respiratory symptoms: Call a doctor.
<b>Ingestion</b>	IF SWALLOWED: Immediately call a doctor. DO NOT INDUCE VOMITING. NEVER give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Rinse mouth thoroughly with water. Have victim drink two glasses of water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration.
<b>Skin contact</b>	IF ON SKIN, Wash with plenty of water for several minutes. (15-20) IF SKIN irritation or rash occurs: Get medical attention.
<b>Eye contact</b>	IF IN EYES, Rinse cautiously with water for several minutes (15-20). Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
<b>Most important symptoms and effects (acute or delayed)</b>	Causes serious eye irritation. Causes skin irritation.
<b>Indication of immediate medical attention/special treatment</b>	In all cases, call a doctor. Do not forget this document.

## Section 5. Fire-fighting measures

### Specific hazards of the hazardous product (hazardous combustion products)

Carbon oxides and other irritant/toxic gases and fumes.

### Suitable and unsuitable extinguishing media

In case of fire: Use carbon dioxide, chemical powder agent and appropriate foam to extinguish surrounding products.

### Special protective equipment and precautions for fire-fighters

During a fire, irritating/toxic smoke and fumes may be generated. Do not enter fire area without proper protection. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece. Shield personnel to protect from venting, rupturing or bursting cans. Move containers from fire area if it can be done without risk. Water spray may be useful in cooling equipment and cans exposed to heat and flame.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. All persons dealing with clean-up should wear the appropriate protective equipment (See Section 8).

### Methods and materials for containment and cleaning up

Ventilate area of release. Stop the leak if it can be done safely. Contain and absorb any spilled liquid concentrate with inert absorbent material, then place material into a container for later disposal (see Section 13). Contaminated absorbent material may pose the same hazards as the spilled product. Notify the appropriate authorities as required.

## Section 7. Handling and storage

### Precautions for safe handling

Wear gloves/protective clothing/eye protection/face protection.

Before handling, it is very important that engineering controls are operating, and that protective equipment requirements and personal hygiene measures are being followed. People working with this chemical should be properly trained regarding its hazards and its safe use. Inspect containers for leaks before handling. Label containers appropriately. Ensure proper ventilation. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with eyes, skin and clothing. Keep away from heat, sparks and flame. Avoid generating high concentrations of dusts, vapours or mists. Keep away from incompatible materials (Section 10). Keep containers closed when not in use. Empty containers are always dangerous. Refer also to Section 8.

### Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up. Store away from incompatible materials (Section 10). Inspect all incoming containers to make sure they are properly labelled and not damaged. Storage area should be clearly identified, clear of obstruction and accessible only to trained personnel. Inspect periodically for damage or leaks.

## Section 8. Exposure controls/Personal protection

### Control parameters (biological limit values or exposure limit values and source of those values)

Exposure limits: None known.

### Appropriate engineering controls



Use under well-ventilated conditions. Local exhaust ventilation system is recommended to maintain concentrations of contaminants below exposure limits. Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

**Individual protection measures/personal protective equipment**

Respiratory protection is required if the concentrations are higher than the exposure limits. Use a NIOSH approved respirators if the exposure limits are unknown. We recommend wearing chemically protective gloves (impervious), and other protective clothing to prevent prolonged or repeated skin contact during all handling operations. We recommend wearing protective chemical splash goggles/safety glasses or other to prevent mists from entering the eyes. Wash hands/nails/face thoroughly after handling. Do not eat, drink or smoke when using this product. Practice good personal hygiene after using this material. Remove and wash contaminated work clothing before re-use.

**Section 9. Physical and chemical properties**

<b>Appearance, physical state/colour</b>	Liquid	<b>Vapour pressure</b>	Not available
<b>Odour</b>	Characteristic	<b>Vapour density</b>	Not available
<b>Odour threshold</b>	Not available	<b>Relative density</b>	1.127
<b>pH</b>	Not available	<b>Solubility</b>	Not available
<b>Melting/freezing point</b>	Not available	<b>Partition coefficient - n-octanol/water</b>	Not available
<b>Initial boiling point/range</b>	Not available	<b>Auto-ignition temperature</b>	Not available
<b>Flash point</b>	> 93°C	<b>Decomposition temperature</b>	Not available
<b>Evaporation rate</b>	Not available	<b>Viscosity</b>	Not available
<b>Flammability (solids and gases)</b>	Not available	<b>VOC</b>	Not available
<b>Upper and lower flammability/explosive limits</b>	Not available	<b>Other</b>	None known

**Section 10. Stability and reactivity**

**Reactivity**

Does not react under the recommended storage and handling conditions prescribed.

**Chemical stability**

Stable under the recommended storage and handling conditions prescribed.

**Possibility of hazardous reactions**

None known

**Conditions to avoid (static discharge, shock or vibration)**

None known

**Incompatible materials**

Oxidizing materials; etc.

**Hazardous decomposition products**

None known

**Section 11. Toxicological information**

**Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact)**

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.

**Symptoms related to the physical, chemical and toxicological characteristics**

Skin irritation, redness, stinging, pain; Eye irritation, redness, tearing;

**Delayed and immediate effects (chronic effects from short-term and long-term exposure)**

Skin Sensitization – Possible;  
 Respiratory Sensitization – No data available;  
 Germ Cell Mutagenicity – No data available;  
 Carcinogenicity – No ingredient listed by IARC, ACGIH, NTP or OSHA;  
 Reproductive Toxicity – No data available;  
 Specific Target Organ Toxicity — Single Exposure – No data available;  
 Specific Target Organ Toxicity — Repeated Exposure – No data available;  
 Aspiration Hazard – No data available;  
 Health Hazards Not Otherwise Classified – No data available.

**Numerical measures of toxicity (ATE; LD<sub>50</sub> & LC<sub>50</sub>)**

CAS 100-51-6 LD<sub>50</sub>, Oral - Rat 1360 mg/kg;

ATE not available in this document.

## Section 12. Ecological information

**Ecotoxicity (aquatic and terrestrial information)** No data available for this product

**Persistence and degradability** No data available

**Bioaccumulative potential** No data available

**Mobility in soil** No data available

**Other adverse effects** Toxic to aquatic life with long lasting effects.

## Section 13. Disposal considerations

**Information on safe handling for disposal/methods of disposal/contaminated packaging**

Dispose of contents/container into safe container in accordance with local, regional or national regulations.

## Section 14. Transport information

**UN number; Proper shipping name; Class(es); Packing group (PG) of the TDG Regulations**

Not regulated

**UN number; Proper shipping name; Class(es); Packing group (PG) of the 49 CFR (USA)**

Not regulated except in bulk

**UN number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime)**

UN3082; ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epichlorhydrin); Class 9; PG III;

**UN number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air)**

UN3082; ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epichlorhydrin); Class 9; PG III;

**Special precautions (transport/conveyance)** None

**Environmental hazards (IMDG or other)** Marine pollutant

**Bulk transport (usually more than 450 L in capacity)** Possible

## Section 15. Regulatory information

**Safety/health Canadian regulations specifics** Refer to Section 2 for the appropriate classification. This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).

**Environmental Canadian regulations specifics** Refer to Section 3 for ingredient(s) of the DSL

**Safety/health/environmental outside regulations specifics**

United States OSHA information: This product is regulated according to OSHA (29 CFR).

United States EPA (Environmental Protection Agency) information: 40 CFR Refer to the ingredients listed in Section 3 & Sections 12; 13 & 14.

United States TCSA information: Refer to the ingredients listed in Section 3.

National Fire Protection Association (NFPA):

HEALTH: 1 FLAMMABILITY: 1 INSTABILITY: 0 SPECIAL HAZARDS: Refer to Section 2 & 3.

HAZARD SCALE: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Proposition 65: This product does not contain a chemical known to the State of California to cause cancer or other reproductive harm.

## Section 16. Other information

**Date of the latest revision of the safety data sheet** March 11, 2020 version 1 (NSS ENTREPRISE INC.)

**References** Safety Data Sheets from manufacturer/supplier & from Canadian Centre for Occupational Health and Safety, CCOHS.

**Abbreviations**

ACGIH American Conference of Governmental Industrial Hygienists



ATE	Acute toxicity estimate
CAS	Chemical Abstract Service
DSL	Domestic Substance List
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods Code
LC	Lethal concentration
LD	Lethal Dosage
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program (U.S.A.)
OSHA	Occupational Safety and Health Administration (U.S.A.)
PEL	Permissible Exposure Limit
STEL	Short-term Exposure Limit
TDG	Transport of dangerous goods in Canada
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
WHMIS	Workplace Hazardous Materials Information System

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.





**Section 1. Identification**

<b>Product identifier</b>	MPC-190B
<b>Other means of identification</b>	None
<b>Recommended use and restrictions on use</b>	Hardener
<b>Initial manufacturer identifier</b>	Master Protective Coatings Inc. 8615 rue du Creusot St.-Leonard, Quebec H1P 2A8 1-800-324-5819
<b>Emergency telephone number/restriction on use</b>	Canada – CANUTEC 24 hour number 613-996-6666

**Section 2. Hazard identification**

**Classification of hazardous product (name of the category or subcategory of the hazard class)**

- Acute toxicity oral (Category 4)
- Acute toxicity dermal (Category 4)
- Skin corrosion (Category 1)
- Serious eye damage (Category 1)
- Skin sensitization (Category 1)
- Reproductive toxicity (Category 2)
- Hazardous to the aquatic environment – Acute (Category 1)
- Hazardous to the aquatic environment – Chronic (Category 1)

**Information elements (symbols, signal words, hazard statements and precautionary statements of the category/subcategory)**



Danger

- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H361 Suspected of damaging fertility or the unborn child.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood.
- P260 Do not breathe dusts or mists.
- P264 Wash hands/nails/face thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
- P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P312 Call a doctor if you feel unwell.
- P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. P363 Wash contaminated clothing before reuse. P332 + P313 IF SKIN irritation or rash occurs: Get medical attention.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P310 Immediately call a doctor.
- P308 + P313 IF exposed or concerned: Get medical attention.
- P391 Collect spillage. P405 Store locked up. P501 Dispose of contents/container into safe container in accordance with local, regional or national regulations.



**Other hazards known** None

### Section 3. Composition/information on ingredients

Chemical name (common name/synonyms)	CAS number or other	Concentration (%)
Isophorone diamine	2855-13-2	< 20
Benzyl alcohol	100-51-6	< 5
4-Nonylphenol, branched	84852-15-3	< 20
Polyoxypropylene diamine	9046-10-0	< 20
Trimethylolpropane poly(oxypropylene)triamine	39423-51-3	30-60

\* Statement - This safety data sheet provides concentration range(s) instead of the actual concentration(s) considered trade secret(s).

### Section 4. First-aid measures

<b>Inhalation</b>	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a doctor.
<b>Ingestion</b>	IF SWALLOWED: Immediately call a doctor. DO NOT INDUCE VOMITING. NEVER give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Rinse mouth thoroughly with water. Have victim drink two glasses of water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration.
<b>Skin contact</b>	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water (15-20 minutes). Wash contaminated clothing before reuse.
<b>Eye contact</b>	IF IN EYES, Rinse cautiously with water for several minutes (15-20). Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
<b>Most important symptoms and effects (acute or delayed)</b>	Causes severe skin, respiratory or digestive tract burns and eye damage.
<b>Indication of immediate medical attention/special treatment</b>	In all cases, call a doctor. Do not forget this document.

### Section 5. Fire-fighting measures

#### Specific hazards of the hazardous product (hazardous combustion products)

Carbon oxides and other irritant/toxic gases and fumes.

#### Suitable and unsuitable extinguishing media

In case of fire: Use carbon dioxide, chemical powder agent and appropriate foam to extinguish surrounding products.

#### Special protective equipment and precautions for fire-fighters

During a fire, irritating/toxic smoke and fumes may be generated. Do not enter fire area without proper protection. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece. Shield personnel to protect from venting, rupturing or bursting cans. Move containers from fire area if it can be done without risk. Water spray may be useful in cooling equipment and cans exposed to heat and flame.

### Section 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. All persons dealing with clean-up should wear the appropriate protective equipment (See Section 8).

#### Methods and materials for containment and cleaning up

Ventilate area of release. Stop the leak if it can be done safely. Contain and absorb any spilled liquid concentrate with inert absorbent material, then place material into a container for later disposal (see Section 13). Contaminated absorbent material may pose the same hazards as the spilled product. Notify the appropriate authorities as required.

### Section 7. Handling and storage

#### Precautions for safe handling

Wear gloves/protective clothing/eye protection/face protection.

Before handling, it is very important that engineering controls are operating, and that protective equipment requirements and personal hygiene measures are being followed. People working with this chemical should be properly trained regarding its hazards and its safe use. Inspect containers



for leaks before handling. Label containers appropriately. Ensure proper ventilation. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with eyes, skin and clothing. Keep away from heat, sparks and flame. Avoid generating high concentrations of dusts, vapours or mists. Keep away from incompatible materials (Section 10). Keep containers closed when not in use. Empty containers are always dangerous. Refer also to Section 8.

**Conditions for safe storage, including any incompatibilities**

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up. Store away from incompatible materials (Section 10). Inspect all incoming containers to make sure they are properly labelled and not damaged. Storage area should be clearly identified, clear of obstruction and accessible only to trained personnel. Inspect periodically for damage or leaks.

**Section 8. Exposure controls/Personal protection**

**Control parameters (biological limit values or exposure limit values and source of those values)**

Exposure limits: None;

**Appropriate engineering controls**

Use under well-ventilated conditions. Local exhaust ventilation system is recommended to maintain concentrations of contaminants below exposure limits. Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

**Individual protection measures/personal protective equipment**

Respiratory protection is required if the concentrations are higher than the exposure limits. Use a NIOSH approved respirators if the exposure limits are unknown. We recommend wearing chemically protective gloves (impervious), and other protective clothing to prevent prolonged or repeated skin contact during all handling operations. We recommend wearing protective chemical splash goggles/safety glasses or other to prevent mists from entering the eyes. Wash hands/nails/face thoroughly after handling. Do not eat, drink or smoke when using this product. Practice good personal hygiene after using this material. Remove and wash contaminated work clothing before re-use.

**Section 9. Physical and chemical properties**

<b>Appearance, physical state/colour</b>	Viscous liquid	<b>Vapour pressure</b>	Not available
<b>Odour</b> Characteristic		<b>Vapour density</b>	Not available
<b>Odour threshold</b> Not available		<b>Relative density</b>	0.967
<b>pH</b> Not available		<b>Solubility</b>	Not available
<b>Melting/freezing point</b> Not available		<b>Partition coefficient - n- octanol/water</b>	Not available
<b>Initial boiling point/range</b> Not available		<b>Auto-ignition temperature</b>	Not available
<b>Flash point</b> > 93°C		<b>Decomposition temperature</b>	Not available
<b>Evaporation rate</b> Not available		<b>Viscosity</b>	Not available
<b>Flammability (solids and gases)</b> Not available		<b>VOC</b>	Not available
<b>Upper and lower flammability/explosive limits</b> Not available		<b>Other</b>	None known

**Section 10. Stability and reactivity**

**Reactivity**

Does not react under the recommended storage and handling conditions prescribed.

**Chemical stability**

Stable under the recommended storage and handling conditions prescribed.

**Possibility of hazardous reactions**

None known

**Conditions to avoid (static discharge, shock or vibration)**

None known

**Incompatible materials**

Oxidizing materials; Acids; etc.

**Hazardous decomposition products**

None known



**Section 11. Toxicological information**

**Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact)**

Harmful if swallowed. Harmful in contact with skin. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child.

**Symptoms related to the physical, chemical and toxicological characteristics**

Skin burn, redness, stinging, pain; Eye burn, redness, tearing; Digestive tract burn; Respiratory tract burn, coughing, shortness of breath, dizziness, drowsiness, nausea and headaches.

**Delayed and immediate effects (chronic effects from short-term and long-term exposure)**

Skin Sensitization – Possible;  
 Respiratory Sensitization – No data available;  
 Germ Cell Mutagenicity – No data available;  
 Carcinogenicity – No ingredient listed by IARC, ACGIH, NTP or OSHA;  
 Reproductive Toxicity – Possible;  
 Specific Target Organ Toxicity — Single Exposure – No data available;  
 Specific Target Organ Toxicity — Repeated Exposure – No data available;  
 Aspiration Hazard – No data available;  
 Health Hazards Not Otherwise Classified – No data available.

**Numerical measures of toxicity (ATE; LD<sub>50</sub> & LC<sub>50</sub>)**

CAS 84852-15-3 LD<sub>50</sub> Oral - Rat – 1246 mg/kg & LD<sub>50</sub> Dermal - Rabbit – 2040 mg/kg; CAS 2855-13-2 LD<sub>50</sub>, Oral - Rat 1030 mg/kg; CAS 100-51-6 LD<sub>50</sub>, Oral - Rat 1360 mg/kg; CAS 9046-10-0 LD<sub>50</sub>, Oral- Rat - 2885.3 mg/kg; LC<sub>50</sub>, Inhalation - Rat - 8h > 0.74 mg/l; LD<sub>50</sub>, Dermal-Rabbit - 2980 mg/kg;  
 ATE not available in this document.

**Section 12. Ecological information**

**Ecotoxicity (aquatic and terrestrial information)** No data available for this product

**Persistence and degradability** No data available

**Bioaccumulative potential** No data available

**Mobility in soil** No data available

**Other adverse effects** Very toxic to aquatic life with long lasting effects.

**Section 13. Disposal considerations**

**Information on safe handling for disposal/methods of disposal/contaminated packaging**

Dispose of contents/container into safe container in accordance with local, regional or national regulations.

**Section 14. Transport information**

**UN number; Proper shipping name; Class(es); Packing group (PG) of the TDG Regulations**

UN3267; CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Isophorone diamine; P-Nonylphenol); CLASS 8; PG III

**UN number; Proper shipping name; Class(es); Packing group (PG) of the 49 CFR (USA)**

UN3267; CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Isophorone diamine; P-Nonylphenol); CLASS 8; PG III

**UN number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime)**

UN3267; CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Isophorone diamine; P-Nonylphenol); CLASS 8; PG III

**UN number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air)**

UN3267; CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Isophorone diamine; P-Nonylphenol); CLASS 8; PG III

**Special precautions (transport/conveyance)**

May also be shipped as a LIMITED QUANTITY in accordance with TDG.

**Environmental hazards (IMDG or other)**

Marine Pollutant



Bulk transport (usually more than 450 L in capacity)

Possible

### Section 15. Regulatory information

#### Safety/health Canadian regulations specifics

Refer to Section 2 for the appropriate classification. This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).

#### Environmental Canadian regulations specifics

Refer to Section 3 for ingredient(s) of the DSL

#### Safety/health/environmental outside regulations specifics

United States OSHA information: This product is regulated according to OSHA (29 CFR).

United States EPA (Environmental Protection Agency) information: 40 CFR Refer to the ingredients listed in Section 3 & Sections 12; 13 & 14.

United States TCSA information: Refer to the ingredients listed in Section 3.

National Fire Protection Association (NFPA):

HEALTH: 3 FLAMMABILITY: 1 INSTABILITY: 0 SPECIAL HAZARDS: Refer to Section 2 & 3.

HAZARD SCALE: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Proposition 65: This product does not contain a chemical known to the State of California to cause cancer or other reproductive harm.

### Section 16. Other information

#### Date of the latest revision of the safety data sheet

April 06, 2020 version 1 (NSS ENTREPRISE INC.)

#### References

Safety Data Sheets from manufacturer/supplier & from Canadian Centre for Occupational Health and Safety, CCOHS.

#### Abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
ATE	Acute toxicity estimate
CAS	Chemical Abstract Service
DSL	Domestic Substance List
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods Code
LC	Lethal concentration
LD	Lethal Dosage
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program (U.S.A.)
OSHA	Occupational Safety and Health Administration (U.S.A.)
PEL	Permissible Exposure Limit
STEL	Short-term Exposure Limit
TDG	Transport of dangerous goods in Canada
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
WHMIS	Workplace Hazardous Materials Information System

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.