

CP-040, CP-050 Small Volume Safety Data Sheet

And

CP-040, CP-050 Material Safety Data Sheet

Guidance Statement

The MSDS portion of this PDF has been prepared based on large volumes of chemistry. Adaptations have been made in the SVSDS portion to more accurately represent the small volume of chemistry in the kits.



Issue Date: 02/14/2012 Version: 1

Small Volume Safety Data Sheet

CP-040, CP-050

1. Product and company identification

 Product name
 : CP-040, CP-050

 SVSDS #
 : PD-SVSDS-00023

Material uses : Stabilization of DNA in collection kit.

Supplier/Manufacturer: DNA Genotek Inc., a subsidiary of OraSure Technologies, Inc.

2 Beaverbrook Road

Ottawa, ON, Canada K2K 1L1

Tel: +1-613-723-5757 Fax: +1-613-723-5057

Toll Free: +1-866-813-6354 (North America)
Toll Free: +1-613-723-5757 (all other countries)

Email: support@dnagenotek.com Web site: www.dnagenotek.com

MSDS authored by : KMK Regulatory Services Inc.

<u>In case of emergency</u>: For Emergencies involving dangerous goods call

Canutec's 24-hour number 613-996-6666

Product type : Liquid.

This document provides safety information for the small volumes of stablizing solution that are present in each DNA Genotek product, and should be used in conjunction with PD-MSDS-00024 when the substance is in bulk.

2. Hazards identification

Physical state : Liquid.
Signal word : WARNING!

Hazard statements : FLAMMABLE LIQUID AND VAPOR. MAY CAUSE RESPIRATORY TRACT, EYE AND

SKIN IRRITATION. CONTAINS MATERIAL THAT MAY CAUSE TARGET ORGAN

DAMAGE, BASED ON ANIMAL DATA.

Precautions: Follow good industrial hygiene practice. Wash thoroughly after handling.

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard

(29 CFR 1910.1200).

Potential acute health effects

Inhalation: May cause respiratory tract irritation.

Ingestion: No known significant effects or critical hazards.

Skin : May cause skin irritation.

Eyes : May cause eye irritation.

Potential chronic health effects

Chronic effects
 Carcinogenicity
 Mo known significant effects or critical hazards.
 Mutagenicity
 No known significant effects or critical hazards.
 Teratogenicity
 No known significant effects or critical hazards.
 Developmental effects
 No known significant effects or critical hazards.
 No known significant effects or critical hazards.

Fertility effects: No known significant effects or critical hazards.

1

Issue Date: 02/14/2012 **Version:**

Hazards identification

Target organs : Contains material which may cause damage to the following organs: blood, the

reproductive system, liver, upper respiratory tract, skin, eyes, central nervous system

(CNS).

Over-exposure signs/symptoms

Inhalation : Adverse symptoms may include the following:

respiratory tract irritation

: No specific data. Ingestion

Skin : Adverse symptoms may include the following:

: Adverse symptoms may include the following: **Eyes**

irritation

Medical conditions aggravated by over: There is no known effect after over-exposure to this product.

exposure

See toxicological information (Section 11)

3. Composition/information on ingredients

Refer to PD-MSDS-00024.

First aid measures 4

Eye contact : Immediately flush eyes with plenty of water for at least 20 minutes, occasionally lifting

the upper and lower eyelids. Get medical attention if symptoms occur.

Skin contact : Wash with soap and water. Get medical attention if symptoms occur.

: Supply fresh air. Get medical attention if symptoms occur. Inhalation

Ingestion : Wash out mouth with water. Get medical attention if symptoms occur.

Notes to physician : No specific treatment.

5. Fire-fighting measures

Flammability of the product : Flammable liquid.

Extinguishing media

Suitable : Use dry chemical, CO₂, water spray (fog) or foam.

Not suitable : Do not use water jet. Special exposure hazards : No specific hazard.

Hazardous decomposition

products

: Decomposition products may include the following materials: carbon dioxide

carbon monoxide nitrogen oxides

Special protective

equipment for fire-fighters

: No special protection is required.

6. Accidental release measures

Personal precautions : No special measures required. **Environmental precautions** : No special measures required.

Methods for cleaning up

Small spill : No special measures required.



Issue Date: 02/14/2012 Version: 1

7. Handling and storage

Handling : Put on appropriate personal protective equipment (see Section 8). Use only with

adequate ventilation. Keep away from heat, sparks and flame.

Storage: Store in accordance with local regulations. Store at room temperature. Store away from

direct sunlight.

8. Exposure controls/personal protection

United States

Ingredient	Exposure limits	
Ethyl Alcohol	ACGIH TLV (United States, 2/2010). STEL: 1000 ppm 15 minute(s). NIOSH REL (United States, 6/2009). TWA: 1900 mg/m³ 10 hour(s). TWA: 1000 ppm 10 hour(s). OSHA PEL (United States, 6/2010). TWA: 1900 mg/m³ 8 hour(s). TWA: 1000 ppm 8 hour(s).	

Canada

Occupational exposure limits		TWA (8 hours)		STEL (15 mins)		Ceiling					
Ingredient	List name	ppm	mg/m³	Other	ppm	mg/m³	Other	ppm	mg/m³	Other	Notations
	US ACGIH 2/2010 AB 4/2009 BC 9/2010 ON 7/2010 QC 6/2008	- 1000 - - 1000	- 1880 - - 1880	- - -	1000 - 1000 1000	- - - -	- - - -	- - - -	- - - -	- - -	

Mexico

Ingredient	Exposure limits
Ethyl Alcohol	NOM-010-STPS (Mexico, 9/2000). LMPE-PPT: 1900 mg/m³ 8 hour(s). LMPE-PPT: 1000 ppm 8 hour(s).

Consult local authorities for acceptable exposure limits.

Recommended monitoring

procedures

: Not required.

Engineering measures

: No special measures required.

Hygiene measures

: Follow good industrial hygiene practice.

Personal protection

Respiratory

: Not required.

Hands

: Not required under normal conditions of use. Recommended: Disposable vinyl gloves.

Eyes

: Not required under normal conditions of use. Recommended: Safety glasses.

Skin

: Not required.

Environmental exposure

: None.

controls

CP-040, CP-050 PD-SVSDS-00023

9. Physical and chemical properties

Refer to PD-MSDS-00024.

10. Stability and reactivity

Refer to PD-MSDS-00024.

11. Toxicological information

Refer to PD-MSDS-00024.

12. Ecological information

Refer to PD-MSDS-00024.

13. Disposal considerations

Waste disposal

: The generation of waste should be avoided or minimized wherever possible. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

14. Transport information

DOT/TDG/MXT/IMDG/IATA

Not regulated.

Not restricted, Special Provision A58

15. Regulatory information

Refer to PD-MSDS-00024.

16. Other information

Refer to PD-MSDS-00024.



Issue Date: 02/22/2012 Version: 1

Material Safety Data Sheet

CP-040, CP-050

1. Product and company identification

Product name : CP-040, CP-050

Material uses : Stabilization of DNA in collection kit.

Supplier/Manufacturer : DNA Genotek Inc., a subsidiary of OraSure Technologies, Inc.

2 Beaverbrook Road

Ottawa, ON, Canada K2K 1L1

Tel: +1-613-723-5757 Fax: +1-613-723-5057

Toll Free: +1-866-813-6354 (North America)
Toll Free: +1-613-723-5757 (all other countries)

Email: support@dnagenotek.com Web site: www.dnagenotek.com

MSDS authored by : KMK Regulatory Services Inc.

In case of emergency : For Emergencies involving dangerous goods call

Canutec's 24-hour number 613-996-6666

2. Hazards identification

Physical state : Liquid.
Signal word : WARNING!

Hazard statements : FLAMMABLE LIQUID AND VAPOR. CAUSES RESPIRATORY TRACT, EYE AND

SKIN IRRITATION. CONTAINS MATERIAL THAT MAY CAUSE TARGET ORGAN

DAMAGE, BASED ON ANIMAL DATA.

Precautions: Keep away from heat, sparks and flame. Do not breathe vapor or mist. Avoid contact

with eyes, skin and clothing. Use only with adequate ventilation. Keep container tightly

closed and sealed until ready for use. Wash thoroughly after handling.

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard

(29 CFR 1910.1200).

Potential acute health effects

Inhalation: Irritating to respiratory system. Exposure to decomposition products may cause a health

hazard. Serious effects may be delayed following exposure.

Ingestion: No known significant effects or critical hazards.

Skin : May cause skin irritation.

Eyes : May cause eye irritation.

Potential chronic health effects

Chronic effects : Contains material that may cause target organ damage, based on animal data.

Carcinogenicity: No known significant effects or critical hazards.Mutagenicity: No known significant effects or critical hazards.Teratogenicity: No known significant effects or critical hazards.Developmental effects: No known significant effects or critical hazards.Fertility effects: No known significant effects or critical hazards.

Target organs : Contains material which may cause damage to the following organs: blood, the

reproductive system, liver, upper respiratory tract, skin, eyes, central nervous system

(CNS).



PD-MSDS-00024

Version:

Issue Date: 02/22/2012

2. Hazards identification

Over-exposure signs/symptoms

Inhalation: Adverse symptoms may include the following:

respiratory tract irritation

coughing

Ingestion: No specific data.

Skin: Adverse symptoms may include the following:

irritation

Eyes: Adverse symptoms may include the following:

irritation

Medical conditions aggravated by overexposure : Pre-existing disorders involving any target organs mentioned in this MSDS as being at

risk may be aggravated by over-exposure to this product.

See toxicological information (Section 11)

3. Composition/information on ingredients

United States

Name	CAS number	%
Ethyl Alcohol	64-17-5	10 - 30
1,3-Propanediol, 2-amino-2-(hydroxymethyl)-	77-86-1	1 - 5

Canada

Name	CAS number	%
Ethyl Alcohol	64-17-5	10 - 30
1,3-Propanediol, 2-amino-2-(hydroxymethyl)-	77-86-1	1 - 5

Mexico						Classification			
Name	CAS number	UN number	%	IDLH	Н	F	R	Special	
Ethyl Alcohol 1,3-Propanediol, 2-amino-2- (hydroxymethyl)-	64-17-5 77-86-1	UN1170 Not regulated.	10 - 30 1 - 5	3300 ppm -	1	3	0		

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First aid measures

Eye contact: Immediately flush eyes with plenty of water for at least 20 minutes, occasionally lifting

the upper and lower eyelids. Get medical attention if symptoms occur.

Skin contact: In case of contact, immediately flush skin with plenty of water for at least 20 minutes.

Get medical attention if symptoms occur.

Inhalation: Move exposed person to fresh air. Get medical attention if symptoms occur.

Ingestion: Wash out mouth with water. Do not induce vomiting unless directed to do so by medical

personnel. Never give anything by mouth to an unconscious person. Get medical

attention if symptoms occur.

Notes to physician : No specific treatment.

PD-MSDS-00024

Issue Date: 02/22/2012 Version:

5. Fire-fighting measures

Flammability of the product : Flammable liquid.

Extinguishing media

Suitable

: Use dry chemical, CO₂, water spray (fog) or foam.

Not suitable

: Do not use water jet.

Special exposure hazards

Move containers from fire area if this can be done without risk. Use water spray to keep

fire-exposed containers cool.

Hazardous decomposition

products

: Decomposition products may include the following materials:

carbon dioxide carbon monoxide nitrogen oxides

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

Personal precautions

: Shut off all ignition sources. No flares, smoking or flames in hazard area. Provide adequate ventilation. Put on appropriate personal protective equipment (see Section 8).

Environmental precautions

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods for cleaning up

Small spill

: Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Use spark-proof tools and explosionproof equipment. Dispose via a licensed waste disposal contractor.

Large spill

: Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Use spark-proof tools and explosion-proof equipment. Dispose via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

7. Handling and storage

Handling

: Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Keep away from heat, sparks and flame.

Storage

Store in accordance with local regulations. Store at room temperature. Store away from direct sunlight.

PD-MSDS-00024

Version:

Issue Date: 02/22/2012

8. Exposure controls/personal protection

United States

Ingredient	Exposure limits	
Ethyl Alcohol	ACGIH TLV (United States, 2/2010). STEL: 1000 ppm 15 minute(s). NIOSH REL (United States, 6/2009). TWA: 1900 mg/m³ 10 hour(s). TWA: 1000 ppm 10 hour(s). OSHA PEL (United States, 6/2010). TWA: 1900 mg/m³ 8 hour(s). TWA: 1000 ppm 8 hour(s).	

Canada

Occupational exposure limits		TWA (8 hours)		STEL (15 mins)		Ceiling					
Ingredient	List name	ppm	mg/m³	Other	ppm	mg/m³	Other	ppm	mg/m³	Other	Notations
	US ACGIH 2/2010 AB 4/2009 BC 9/2010 ON 7/2010 QC 6/2008	- 1000 - - 1000	- 1880 - - 1880	- - -	1000 - 1000 1000 -	- - - -	- - - -	- - - -	- - - -	-	

Mexico

Ingredient	Exposure limits
Ethyl Alcohol	NOM-010-STPS (Mexico, 9/2000). LMPE-PPT: 1900 mg/m³ 8 hour(s). LMPE-PPT: 1000 ppm 8 hour(s).

Consult local authorities for acceptable exposure limits.

Recommended monitoring procedures

: Personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

Engineering measures

: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Use explosion-proof ventilation equipment.

Hygiene measures

: Ensure that eyewash stations and safety showers are close to the workstation location. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

Personal protection

Respiratory

: Not required under normal conditions of use. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Ensure a MSHA/NIOSH-approved respirator or equivalent is used.

Hands

: Use gloves appropriate for work or task being performed. Recommended: Natural rubber (latex).

Eyes

: Safety eyewear should be used when there is a likelihood of exposure. Recommended: Safety glasses with side shields.

Skin

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended: Lab coat.

Environmental exposure controls

: None.

DNA genotek

9. Physical and chemical properties

Physical state : Liquid.

Flash point : Closed cup: 29°C (84.2°F) [Pensky-Martens.]

: Not applicable.

Auto-ignition temperature : Not available. : Not available. Flammable limits **Burning time** Not applicable. **Burning rate** : Not applicable. : Not available. Color Odor : Not available. : Not available. **Taste** Molecular weight Not applicable.

pH : 9.6

Molecular formula

: Not available. **Boiling/condensation point** Melting/freezing point : Not available. : Not available. Critical temperature Relative density : Not available. : Not available. Vapor pressure Vapor density : Not available. : Not available. Volatility : Not available. Odor threshold : Not available. **Evaporation rate** VOC : 19.2 % (w/w) : Not available. **Viscosity** : Not available. Ionicity (in water) : Not available. **Dispersibility properties** Solubility Not available.

10. Stability and reactivity

Chemical stability: The product is stable.

Conditions to avoid : Avoid all possible sources of ignition (spark or flame).

Materials to avoid : Reactive or incompatible with the following materials: oxidizing materials, acids and

alkalis.

: Not available.

: Not available.

Slightly reactive or incompatible with the following materials: metals.

Hazardous decomposition

products

LogKow

Physical/chemical

properties comments

: Decomposition products may include the following materials: carbon dioxide

carbon monoxide nitrogen oxides

Possibility of hazardous

reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

Hazardous polymerization: Under normal conditions of storage and use, hazardous polymerization will not occur.

PD-MSDS-00024

Issue Date: 02/22/2012 Version:

11. Toxicological information

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure	
Ethyl Alcohol	LC50 Inhalation Vapor	Rat	124700 mg/m3	4 hours	
	LD50 Oral	Rat	7 g/kg	-	

Chronic toxicity

: No specific data.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Ethyl Alcohol	Eyes - Moderate irritant	Rabbit	-	100 microliters	-
	Skin - Moderate irritant	Rabbit	-	24 hours 20 milligrams	-
1,3-Propanediol, 2-amino-2- (hydroxymethyl)-	Skin - Moderate irritant	Rabbit	-	25 Percent	-
	Skin - Severe irritant	Rabbit	-	500 milligrams	-

Sensitizer

Skin : There is no data available.

Respiratory : There is no data available.

12. Ecological information

Ecotoxicity: No known significant effects or critical hazards.

Aquatic ecotoxicity

Product/ingredient name	Result	Species	Exposure
Ethyl Alcohol	Acute EC50 17.921 mg/L Marine water Acute EC50 2000 ug/L Fresh water Acute LC50 25500 ug/L Marine water	Algae - Ulva pertusa Daphnia - Daphnia magna Crustaceans - Artemia franchiscana - Larvae	96 hours 48 hours 48 hours
	Acute LC50 42000 ug/L Fresh water Chronic NOEC 0.375 ul/L Fresh water	Fish - Oncorhynchus mykiss Fish - Gambusia holbrooki - Larvae - 3 days	4 days 12 weeks

13. Disposal considerations

Waste disposal

: The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.



PD-MSDS-00024

1

Issue Date: 02/22/2012

Version:

14. Transport information

International transport regulations

DOT/TDG/MXT/IMDG/IATA : Not restricted, Special Provision A58

15. Regulatory information

United States

HCS Classification : Flammable liquid

Irritating material Target organ effects

U.S. Federal regulations : United States inventory (TSCA 8b): All components are listed or exempted.

> SARA 302/304/311/312 extremely hazardous substances: No products were found. SARA 302/304 emergency planning and notification: No products were found. SARA 302/304/311/312 hazardous chemicals: Ethyl Alcohol; Acetic acid, sodium salt,

trihydrate

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Ethyl Alcohol: Fire hazard. Immediate (acute) health hazard. Delayed (chronic) health hazard:

Acetic acid, sodium salt, trihydrate: Delayed (chronic) health hazard

Clean Air Act Section

112(b) Hazardous Air Pollutants (HAPs)

: Not listed

Clean Air Act Section 602 : Not listed

Class I Substances

Clean Air Act Section 602

Class II Substances

: Not listed

DEA List I Chemicals

(Precursor Chemicals)

: Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

State regulations

Massachusetts : The following components are listed: Ethyl Alcohol

New York : None of the components are listed.

New Jersey : The following components are listed: Ethyl Alcohol : The following components are listed: Ethyl Alcohol Pennsylvania

California Prop. 65

No products were found.

Canada

WHMIS (Canada) : Class B-2: Flammable liquid

Class D-2B: Material causing other toxic effects (Toxic).

Canadian lists

Canadian NPRI : The following components are listed: Ethyl alcohol

CEPA Toxic substances : None of the components are listed. : All components are listed or exempted. Canada inventory

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.



PD-MSDS-00024

1

Issue Date: 02/22/2012

Version:

15. Regulatory information

<u>Mexico</u>

Classification :



International regulations

International lists : Australia inventory (AICS): Not determined.

China inventory (IECSC): All components are listed or exempted.

Japan inventory: Not determined. Korea inventory: Not determined.

New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted.

Philippines inventory (PICCS): Not determined.

16. Other information

United States

Hazardous Material : Health : 1 * Flammability : 2 Physical hazards : 0 Information System (U.S.A.)

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

National Fire Protection : Health: 1 Flammability: 2 Instability: 0

Association (U.S.A.)

Reprinted with permission from NFPA 704-2001, Identification of the Hazards of Materials for Emergency Response Copyright ©1997, National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete and official position of the National Fire Protection Association, on the referenced subject which is represented only by the standard in its entirety.

Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Canada

WHMIS (Canada)





References : ANSI Z400.1, MSDS Standard, 2004. - Manufacturer's Material Safety Data Sheet. -

29CFR Part1910.1200 OSHA MSDS Requirements. - 49CFR Table List of Hazardous Materials, UN#, Proper Shipping Names, PG. - Canada Gazette Part II, Vol. 122, No. 2. Registration SOR/88-64, 31 December 1987. Hazardous Products Act "Ingredient Disclosure List" - Canadian Transport of Dangerous Goods, Regulations and Schedules, Clear Language version 2005. - Official Mexican Standards NOM-018-STPS-2000 and

NOM-004-SCT2-1994.

History

Date of issue : 02/22/2012

Version : 1



PD-MSDS-00024

1

Issue Date: 02/22/2012

Version:

16. Other information

Notice to reader

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.