

# Material Safety Data Sheet



Nycote 7-11

## 1. Product and company identification

<b>Product name</b>	: Nycote 7-11
<b>Material uses</b>	: Not available.
<b>Supplier/Manufacturer</b>	: Nycote Laboratories Corporation 12750 Raymer St., Bldg. A-3 North Hollywood, California 91605 Tel: 1-(818)-764-8177
<b>MSDS authored by</b>	: KMK Regulatory Services Inc.
<b>In case of emergency</b>	: ChemTel 1-813-248-0585 1-800-255-3924

## 2. Hazards identification

### Emergency overview

<b>Physical state</b>	: Liquid. [Clear.]
<b>Color</b>	: Yellowish. [Light]
<b>Odor</b>	: Alcohol-like. [Slight]
<b>Signal word</b>	: WARNING !
<b>Hazard statements</b>	: FLAMMABLE LIQUID AND VAPOR. HARMFUL IF INHALED. CAUSES EYE AND SKIN IRRITATION. MAY CAUSE RESPIRATORY TRACT IRRITATION. HARMFUL OR FATAL IF SWALLOWED. CAN ENTER LUNGS AND CAUSE DAMAGE. CONTAINS MATERIAL THAT MAY CAUSE TARGET ORGAN DAMAGE, BASED ON ANIMAL DATA. CANCER HAZARD - CONTAINS MATERIAL WHICH CAN CAUSE CANCER.
<b>Precautionary measures</b>	: Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Do not eat, drink or smoke when using this product. Avoid contact with eyes, skin and clothing. Keep away from heat, sparks and flame. Keep container tightly closed. Use personal protective equipment as required. Wash thoroughly after handling.
<b>OSHA/HCS status</b>	: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

### Potential acute health effects

<b>Inhalation</b>	: Harmful by inhalation. Moderately irritating to the respiratory system. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
<b>Ingestion</b>	: Harmful if swallowed. Aspiration hazard if swallowed. Can enter lungs and cause damage.
<b>Skin</b>	: Irritating to skin. Can cause dermatitis.
<b>Eyes</b>	: Irritating to eyes.

### Potential chronic health effects

<b>Chronic effects</b>	: Contains material that may cause target organ damage, based on animal data.
<b>Carcinogenicity</b>	: Contains material which can cause cancer. Risk of cancer depends on duration and level of exposure.
<b>Mutagenicity</b>	: No known significant effects or critical hazards.
<b>Teratogenicity</b>	: No known significant effects or critical hazards.
<b>Developmental effects</b>	: No known significant effects or critical hazards.
<b>Fertility effects</b>	: No known significant effects or critical hazards.

## 2. Hazards identification

**Target organs** : Contains material which may cause damage to the following organs: blood, kidneys, the reproductive system, liver, gastrointestinal tract, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.

### Over-exposure signs/symptoms

**Inhalation** : Adverse symptoms may include the following:  
respiratory tract irritation  
coughing

**Ingestion** : Adverse symptoms may include the following:  
nausea or vomiting

**Skin** : Adverse symptoms may include the following:  
irritation  
redness

**Eyes** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness

**Medical conditions aggravated by over-exposure** : 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	30 - 60
Toluene	108-88-3	10 - 30
2-Nitropropane	79-46-9	5 - 10

### Canada

Name	CAS number	%
Ethyl Alcohol	64-17-5	30 - 60
Toluene	108-88-3	10 - 30
2-Nitropropane	79-46-9	5 - 10
Phenol	108-95-2	0.1 - 1

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. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Call medical doctor or poison control center immediately.

**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. Call medical doctor or poison control center immediately.

**Protection of first-aiders** : If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

**Notes to physician** : Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

## 5. Fire-fighting measures

**Flammability of the product** : Flammable liquid.

### Extinguishing media

**Suitable** : Use dry chemical, CO<sub>2</sub>, 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. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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** : Stop leak if without risk. 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 explosion-proof equipment. Dispose of via a licensed waste disposal contractor.

**Large spill** : Stop leak if without risk. 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 of 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. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. 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. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. **Store between the following temperatures: 65°F (18.33°C) and 80°F (26.67°C). Keep from freezing.**

## 8. Exposure controls/personal protection

### United States

Ingredient	Exposure limits
Ethyl Alcohol	<p><b>ACGIH TLV (United States, 2/2010).</b> STEL: 1000 ppm 15 minute(s).</p> <p><b>NIOSH REL (United States, 6/2009).</b> TWA: 1900 mg/m<sup>3</sup> 10 hour(s). TWA: 1000 ppm 10 hour(s).</p> <p><b>OSHA PEL (United States, 6/2010).</b> TWA: 1900 mg/m<sup>3</sup> 8 hour(s). TWA: 1000 ppm 8 hour(s).</p>
Toluene	<p><b>NIOSH REL (United States, 6/2009).</b> STEL: 560 mg/m<sup>3</sup> 15 minute(s). STEL: 150 ppm 15 minute(s). TWA: 375 mg/m<sup>3</sup> 10 hour(s). TWA: 100 ppm 10 hour(s).</p> <p><b>OSHA PEL Z2 (United States, 11/2006).</b> AMP: 500 ppm 10 minute(s). CEIL: 300 ppm TWA: 200 ppm 8 hour(s).</p> <p><b>ACGIH TLV (United States, 2/2010).</b> TWA: 20 ppm 8 hour(s).</p>
2-Nitropropane	<p><b>ACGIH TLV (United States, 2/2010).</b> TWA: 36 mg/m<sup>3</sup> 8 hour(s). TWA: 10 ppm 8 hour(s).</p> <p><b>OSHA PEL (United States, 6/2010).</b> TWA: 90 mg/m<sup>3</sup> 8 hour(s). TWA: 25 ppm 8 hour(s).</p>

### Canada

Occupational exposure limits		TWA (8 hours)			STEL (15 mins)			Ceiling			Notations
Ingredient	List name	ppm	mg/m <sup>3</sup>	Other	ppm	mg/m <sup>3</sup>	Other	ppm	mg/m <sup>3</sup>	Other	
Ethyl Alcohol	US ACGIH 2/2010	-	-	-	1000	-	-	-	-	-	
	AB 4/2009	1000	1880	-	-	-	-	-	-	-	
	BC 9/2010	-	-	-	1000	-	-	-	-	-	
	ON 7/2010	-	-	-	1000	-	-	-	-	-	
	QC 6/2008	1000	1880	-	-	-	-	-	-	-	
Toluene	US ACGIH 2/2010	20	-	-	-	-	-	-	-	-	
	AB 4/2009	50	188	-	-	-	-	-	-	-	[1]
	BC 9/2010	20	-	-	-	-	-	-	-	-	
	ON 7/2010	20	-	-	-	-	-	-	-	-	
	QC 6/2008	50	188	-	-	-	-	-	-	-	[1]
2-Nitropropane	US ACGIH 2/2010	10	36	-	-	-	-	-	-	-	
	AB 4/2009	10	36	-	-	-	-	-	-	-	
	BC 9/2010	5	-	-	-	-	-	-	-	-	
	ON 7/2010	10	35	-	20	70	-	-	-	-	
	QC 6/2008	10	36	-	-	-	-	-	-	-	
Phenol	US ACGIH 2/2010	5	19	-	-	-	-	-	-	-	[1]
	AB 4/2009	5	19	-	-	-	-	-	-	-	[1]
	BC 9/2010	5	-	-	-	-	-	-	-	-	[1]
	ON 7/2010	5	19	-	-	-	-	-	-	-	[1]
	QC 6/2008	5	19	-	-	-	-	-	-	-	[1]

[1]Absorbed through skin.

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.

## 8. Exposure controls/personal protection

### Personal protection

- Respiratory** : 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.
- 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: Overalls.
- Environmental exposure controls** : In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## 9. Physical and chemical properties

- Physical state** : Liquid. [Clear.]
- Flash point** : Open cup: 21°C (69.8°F) [Cleveland.]
- Color** : Yellowish. [Light]
- Odor** : Alcohol-like. [Slight]
- Boiling/condensation point** : 77°C (170.6°F)
- Relative density** : 0.89
- Vapor pressure** : 0.013 kPa (0.1 mm Hg) [20°C]

## 10. Stability and reactivity

- Chemical stability** : The product is stable.
- Conditions to avoid** : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Avoid exposure - obtain special instructions before use. Do not swallow.
- Incompatible materials** : Reactive or incompatible with the following materials: oxidizing materials, acids and alkalis.
- Hazardous decomposition products** : 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.

## 11. Toxicological information

### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Ethyl Alcohol	LC50 Inhalation Vapor	Rat	124700 mg/m <sup>3</sup>	4 hours
	LD50 Oral	Rat	7 g/kg	-
Toluene	LC50 Inhalation Vapor	Rat	49 g/m <sup>3</sup>	4 hours
	LD50 Oral	Rat	636 mg/kg	-
2-Nitropropane	LC50 Inhalation Vapor	Rat	12070 mg/m <sup>3</sup>	1 hours
	LD50 Dermal	Rabbit	>2000 mg/kg	-
Phenol	LD50 Oral	Rat	565 mg/kg	-
	LC50 Inhalation Vapor	Rat	316 mg/m <sup>3</sup>	4 hours
	LD50 Dermal	Rabbit	630 mg/kg	-
	LD50 Dermal	Rat	669 mg/kg	-
	LD50 Oral	Rat	317 mg/kg	-

# 11. Toxicological information

## Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Ethyl Alcohol	Eyes - Moderate irritant	Rabbit	-	-	-
	Skin - Moderate irritant	Rabbit	-	-	-
Toluene	Eyes - Mild irritant	Rabbit	-	-	-
	Skin - Moderate irritant	Rabbit	-	-	-
2-Nitropropane	Eyes - Mild irritant	Rabbit	-	-	-
Phenol	Eyes - Severe irritant	Rabbit	-	-	-
	Skin - Severe irritant	Rabbit	-	-	-

**Skin** : Applicable.

**Eyes** : Applicable.

## Carcinogenicity

### Classification

Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
Ethyl Alcohol	A3	1	-	-	-	-
Toluene	A4	3	-	-	-	-
2-Nitropropane	A3	2B	-	+	Possible	-

**IDLH** : Not available.

**Synergistic products** : Not 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
Toluene	Acute LC50 42000 ug/L Fresh water Chronic NOEC <6.3 g/L Fresh water Acute EC50 12500 ug/L Fresh water Acute EC50 6000 ug/L Fresh water	Fish - Oncorhynchus mykiss Daphnia - Daphnia magna Algae - Pseudokirchneriella subcapitata Daphnia - Daphnia magna - Juvenile (Fledgling, Hatchling, Weanling)	4 days 48 hours 72 hours 48 hours
2-Nitropropane	Acute LC50 15.5 ppm Marine water	Crustaceans - Palaemonetes pugio - Adult	48 hours
Phenol	Acute LC50 5500 ug/L Fresh water Chronic NOEC 28000 ug/L Fresh water Acute LC50 <210000 ug/L Fresh water Acute EC50 61.1 ug/L Fresh water	Fish - Oncorhynchus kisutch - Fry - 1 g Daphnia - Daphnia magna - <=24 hours Fish - Pimephales promelas Algae - Pseudokirchneriella subcapitata - 4 to 7 days	96 hours 48 hours 96 hours 96 hours
	Acute EC50 10 ppm Marine water	Aquatic plants - Macrocystis pyrifera - Young	4 days
	Acute LC50 1500000 ug/L Fresh water Acute LC50 800 ug/L Marine water	Aquatic plants - Lemna minor Crustaceans - Archaeomysis kokuboi - Juvenile (Fledgling, Hatchling, Weanling)	72 hours 48 hours
	Acute LC50 3000 ug/L Fresh water Acute LC50 1.75 ug/L Fresh water Chronic NOEC 2200 ug/L Fresh water	Daphnia - Ceriodaphnia dubia - <24 hours Fish - Cyprinus carpio - Larvae - 8 mm Daphnia - Daphnia magna - <=24 hours	48 hours 96 hours 48 hours

**Other adverse effects** : No known significant effects or critical hazards.

# 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. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Empty containers or liners may retain some product residues. 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.

### 13. Disposal considerations

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

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
<b>DOT Classification</b>	UN1993	FLAMMABLE LIQUIDS, N.O.S. (Ethyl Alcohol, Toluene)	3	II		-
<b>TDG Classification</b>	UN1993	FLAMMABLE LIQUIDS, N.O.S. (Ethyl Alcohol, Toluene)	3	II		-
<b>IMDG Class</b>	UN1993	FLAMMABLE LIQUIDS, N.O.S. (Ethyl Alcohol, Toluene)	3	II		-
<b>IATA-DGR Class</b>	UN1993	FLAMMABLE LIQUIDS, N.O.S. (Ethyl Alcohol, Toluene)	3	II		-

PG\* : Packing group

Exemption to the above classification may apply.

**AERG** : 128

### 15. Regulatory information

**United States**

**HCS Classification** : Flammable liquid  
 Toxic material  
 Irritating material  
 Carcinogen  
 Target organ effects

**U.S. Federal regulations** : **TSCA 4(a) final test rules:** 2-Nitropropane  
**TSCA 8(a) PAIR:** 2-Nitropropane  
**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; Toluene; 2-Nitropropane  
**SARA 311/312 MSDS distribution - chemical inventory - hazard identification:** Ethyl Alcohol: Fire hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard;  
 Toluene: Fire hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard;  
 2-Nitropropane: Fire hazard, reactive, Immediate (acute) health hazard, Delayed (chronic) health hazard  
**Clean Water Act (CWA) 307:** Toluene; Phenol  
**Clean Water Act (CWA) 311:** Toluene; Phenol

**Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)** : Listed

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed

## 15. Regulatory information

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Listed

### SARA 313

	Product name	CAS number	Concentration
<b>Form R - Reporting requirements</b>	Toluene	108-88-3	10 - 30
	2-Nitropropane	79-46-9	5 - 10
<b>Supplier notification</b>	Toluene	108-88-3	10 - 30
	2-Nitropropane	79-46-9	5 - 10

SARA 313 notifications must not be detached from the MSDS and any copying and redistribution of the MSDS shall include copying and redistribution of the notice attached to copies of the MSDS subsequently redistributed.

### State regulations

**Massachusetts** : The following components are listed: Ethyl Alcohol; Toluene; 2-Nitropropane

**New York** : The following components are listed: Toluene; 2-Nitropropane

**New Jersey** : The following components are listed: Ethyl Alcohol; Toluene; 2-Nitropropane

**Pennsylvania** : The following components are listed: Ethyl Alcohol; Toluene; 2-Nitropropane

### California Prop. 65

**WARNING:** This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

Ingredient name	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
Toluene	No.	Yes.	No.	7000 µg/day (ingestion) 13000 µg/day (inhalation)
2-Nitropropane	Yes.	No.	No.	No.

### Canada

**WHMIS (Canada)** : Class B-2: Flammable liquid  
Class D-1A: Material causing immediate and serious toxic effects (Very toxic).  
Class D-2A: Material causing other toxic effects (Very toxic).  
Class D-2B: Material causing other toxic effects (Toxic).

### Canadian lists

**Canadian NPRI** : The following components are listed: Ethyl alcohol; Toluene; 2-Nitropropane

**CEPA Toxic substances** : None of the components are listed.

**Canada inventory** : All components are listed or exempted.

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.

### International regulations

**International lists** : **Australia inventory (AICS):** All components are listed or exempted.  
**China inventory (IECSC):** All components are listed or exempted.  
**Japan inventory:** Not determined.  
**Korea inventory:** All components are listed or exempted.  
**New Zealand Inventory of Chemicals (NZIoC):** All components are listed or exempted.  
**Philippines inventory (PICCS):** All components are listed or exempted.

## 16. Other information

**Label requirements** : FLAMMABLE LIQUID AND VAPOR. HARMFUL IF INHALED. CAUSES EYE AND SKIN IRRITATION. MAY CAUSE RESPIRATORY TRACT IRRITATION. HARMFUL OR FATAL IF SWALLOWED. CAN ENTER LUNGS AND CAUSE DAMAGE. CONTAINS MATERIAL THAT MAY CAUSE TARGET ORGAN DAMAGE, BASED ON ANIMAL DATA. CANCER HAZARD - CONTAINS MATERIAL WHICH CAN CAUSE CANCER.

**Hazardous Material Information System (U.S.A.)** : **Health** : 2 \* **Flammability** : 3 **Physical hazards** : 0

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 Association (U.S.A.)** : **Health** : 2 **Flammability** : 3 **Instability** : 0

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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.

### History

**Date of issue** : 05/15/2011  
**Date of previous issue** : 03/15/2010  
**Version** : 3

### 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.



Dr. Luc Séguin, PhD chemist, 25 years as a professional in regulatory compliance



Global - Multilingual authoring services for all regulatory documents



Optimizing your company's GHS deployment

