

Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Section 1 CHEMICAL PRODUCT and COMPANY IDENTIFICATION

Product Identifiers: Product Name: STATICIDE® Concentrate
Product Number: # 3000Q, #3000G, #3000D, #3000P

Product description: Anti-static liquid concentrate to be diluted for topical surface treatments only. Not to be used as an additive or component in adhesives, paper products, or plastic articles.

Product type: Liquid

Application: Industrial applications, professional applications

Manufacturer: ACL Incorporated
840 W 49th PL
Chicago, IL 60609
PH: (01) 847.981.9212 [U.S.A.]
FAX: (01) 847.981.9278 [U.S.A.]

Email of responsible party for SDS: marykay@aclstaticide.com

US/Canada Emergency TEL: INFOTRAC: (01) 800.535.5053 (day or night)

International Emergency TEL: INFOTRAC: 352.323.3500 (day or night)

Section 2 HAZARDOUS IDENTIFICATION

2.1 Classification of the substance or mixture

Product definition: Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] & (US) OSHA HCS 2012:

PHYSICAL/CHEMICAL HAZARDS:

H225 HIGHLY FLAMMABLE LIQUID AND VAPOR - Category 2

HUMAN HEALTH HAZARDS:

H302 ACUTE TOXICITY: ORAL - Category 4

H314 SKIN CORROSION/IRRITATION - Category 1B

H318 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1

H336 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE): Central nervous system - Category 3

ENVIRONMENTAL HAZARDS:

H400 SHORT TERM (ACUTE) AQUATIC HAZARD - Category 1

H410 LONG TERM (CHRONIC) AQUATIC HAZARD - Category 1

Ingredients of unknown toxicity: Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 5.7%

Ingredients of unknown ecotoxicity: Percentage of the mixture consisting of ingredients(s) of unknown hazards to the aquatic environment: 54.2%

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms:



Signal word: DANGER

Hazard statements: H225: Highly flammable liquid and vapor.
H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.
H336: May cause drowsiness or dizziness.
H410: Very toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention:

P210: Keep away from heat, sparks, open flames and hot surfaces. - No smoking
P233: Keep container tightly closed
P235 Keep cool
P260 Do not breathe dust of mist
P261 Avoid breathing mist, vapors or spray.
P264+P265 Wash skin thoroughly after handling. Do not touch eyes.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P273: Avoid release to the environment.
P280: Wear protective gloves. Wear eye or face protection. Wear protective clothing.

Response:

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+P361+P354 IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes.
P305 + P354+P338: IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P317: Get medical help
P363 Wash contaminated clothing before reuse.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish

Storage

P403+P235: Store in a well-ventilated place and keep cool.
P391: Collect spillage.
P240: Ground and bond container and receiving equipment.
P241: Use explosion-proof equipment.
P242: Use only non-sparking tools.
P243: Take precautionary measures against static discharge
P405: Store locked up.

Disposal

P501: Dispose of contents and container in accordance with all local, regional, national and international regulations

Section 3	COMPOSITION / INFORMATION ON INGREDIENTS
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Substance/Mixture : Mixture

CHEMICAL	CAS	RISK CLASSIFICATION	Weight %
Methyl bis(2-hydroxyethyl) cocoalkyl quaternary ammonium nitrates	71487-00-8	Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute): 1	51 – 58
Methyl bis(2-hydroxyethyl) cocoalkyl quaternary ammonium chlorides	70750-47-9	Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318 Aquatic Acute 1; H400	6 - 9

		Aquatic Chronic 1; H410 M-Factor (Acute): 1	
Isopropyl alcohol	67-63-0	Flam. Liq. 2; H225 Eye Irrit. 2A; H319 STOT SE 3; H336	33 – 38

Section 4 FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. Oxygen may be administered if breathing is difficult. Seek medical attention.

Eye Contact: Check for and remove any contact lenses. Flush eyes with large amounts of water for 15 minutes. Cold water may be used. Get medical attention.

Skin Contact: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing and shoes before reuse. Seek immediate medical attention.

Ingestion: DO NOT INDUCE VOMITING unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training. Wear gloves

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data

Section 5 FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:

Alcohol-resistant foam, Carbon dioxide (CO₂), Dry chemical

Unsuitable extinguishing media: High volume water jet

5.2 Special hazards arising from the substance or mixture

Flammable in presence of open flames, sparks and static discharge. Vapor may cause flash fire. No sparking tools should be used. Take precautionary measures against static discharges.

5.3 Advice for firefighters Use an approved/certified respirator or equivalent. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion. Water spray may be ineffective unless used by experienced firefighters. Do not allow run-off from fire fighting to enter drains or water courses.

5.4 Further information: Hazardous Combustion Products include Carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂...), halogenated compounds, hydrogen chloride.

Section 6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For personal protection see section 8.

Keep away from heat. Keep away from sources of ignition. Stop leak if without risk.

6.2 Environmental precautions

Prevent entry into sewers, basements or confined areas; dike if needed.

6.3 Methods and materials for containment and cleaning up

Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. For large spills, absorb with DRY earth, sand or other non-combustible material. Do not touch spilled material.

6.4 Reference to other sections

For disposal see section 13.

Section 7	HANDLING AND STORAGE
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7.1 Precautions for safe handling

Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material.

Harmful if swallowed. When handling, wear eye protection and rubber gloves. KEEP OUT OF REACH OF CHILDREN. Wash thoroughly after handling. Launder contaminated clothing/equipment before reuse.

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Store in a segregated and approved area. Keep container in a cool, well-ventilated area (between 18°C - 28°C / 64°F - 82°F) out of direct sunlight and away from incompatible materials (See STABILITY AND REACTIVITY Section 10). Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Keep in grounded flammable cabinet. Follow all SDS and Label warnings even after container is emptied.

7.3 Specific end use(s) Apart from the uses mentioned in section 1.2

Concentrated surfactant. Dilute for use. Use to decay static topically on a wide variety of surfaces including plastic packaging, carpet, office machines and industrial equipment.

Section 8	EXPOSURE CONTROL / PERSONAL PROTECTION
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8.1 Control parameters

Occupational exposure limits

Product/ingredient name	OSHA PEL	ACGIH TLV	NIOSH REL
Isopropanol	400 ppm TWA ; 980 Mg/m ³ 500 ppm STEL ; 1225 Mg/m ³	400 ppm TWA ; 983 Mg/m ³ 500 ppm STEL ; 1230 Mg/m ³	400 ppm TWA 980 Mg/m ³ 500 ppm STEL 1225 Mg/m ³
Methyl bis(2-hydroxyethyl) cocoalkyl quaternary ammonium nitrates		No data available	No data available
Methyl bis(2-hydroxyethyl) cocoalkyl quaternary ammonium chlorides		No data available	No data available

Recommended monitoring procedures: Not established

DNELs/DMELs: No DNELs/DMELs available.

PNECs: No PNECs available

8.2 Exposure controls

Appropriate engineering controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. See section 2 for component exposure guidelines. Local Exhaust ventilation acceptable

Individual protection measures

Hygiene measures: Wash hands before eating, smoking and using the lavatory and at the end of the working period. When using, do not eat or drink. When using, do not smoke.

Eye/face protection: Ensure that eyewash stations are proximal to the work-station location. Tightly fitting splash Goggles are recommended. Wear face-shield and protective suit for abnormal processing problems.

Skin and protection: Wear lab coat or protective suit.

Hand protection: Gloves Recommended. Neoprene, nitrile rubber recommended.

Other skin protection: Ensure the safety showers are proximal to the work-station location.

Respiratory protection: In the case of vapor, use a respirator with an approved filter. Wear full face mask supplied with combination filter: ABEKP.

Environmental exposure controls: Prevent product from entering drains. If product contaminates rivers and lakes or drains, inform respective authorities.

In Case of Large Spill: Splash goggles, full suit, vapor respirator, boots, gloves and a self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

Section 9	PHYSICAL AND CHEMICAL PROPERTIES
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9.1 Information on basic physical and chemical properties

Appearance	Liquid, yellow
Odor	Alcohol like
pH	6.5 – 7.5[Neutral]
Melting point/freezing point	Weighted average: -86° C (-122.8° F)
Initial boiling point and boiling range	80° C (176° F)
Flash point and method	20° C (68 °F) CC, Pensky-Martens
Evaporation rate	Weighted average: 1.68 compared to Butyl acetate
Flammability (solid, gas, liquid)	liquid
Upper/lower flammability or explosive limits	LEL: 2% UEL: 12% (Isopropyl alcohol)
Vapor pressure	760mm Hg @ 82.5° C
Vapor density (air=1)	The highest known value is 2.07 (Isopropyl alcohol)
Relative density	0.91 - .95 g/cm ² (25° C / 77° F)
Solubility(ies).	Partially soluble in cold water
Partition coefficient: n-octanol/water	NE
Autoignition temperature	The lowest known value is 450° C (842° F) (Isopropyl alcohol)
Decomposition temperature	NE
Viscosity	37cp @ 25° C; 25cp @ 40° C
Volatile by weight	40%

9.2 Other safety information

VOC	No restricted VOC
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Section 10	STABILITY AND REACTIVITY
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10.1 Reactivity No data available

10.2 Chemical stability Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions Vapours may form explosive mixture with air.

10.4 Conditions to avoid: Heat, flames and sparks. Extremes of temperature and direct sunlight.

10.5 Incompatible materials Oxidizing agents, Acid anhydrides, Aluminium, Halogenated compounds, Acids

10.6 Hazardous decomposition products: Hazardous Polymerization will not occur.

Other decomposition products

In the event of fire: see section 5

Section 11 TOXICOLOGY INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Isopropanol	LD ₅₀ dermal	Rabbit	12,800 mg/kg	-
	LC ₅₀ inhalation	Rat	72.6 mg/l	4 hours
	LD ₅₀ oral	Rabbit	6410 mg/kg	-
quaternary ammonium compounds, coco alkylbis(hydroxyethyl) methyl, nitrates	LD ₅₀ oral	Rat	300 – 2,000 mg/kg	-
quaternary ammonium compounds, coco alkylbis(hydroxyethyl) methyl, chlorides	LD ₅₀ oral	Rat	300 – 2,000 mg/kg	-

Conclusion/Summary: Not available.

Irritation/Corrosion

Product/ingredient name	Result	Species	Exposure
Isopropanol	Eye irritation	Rabbit	24 hours
	Mild skin irritation	Rabbit	
quaternary ammonium compounds, coco alkylbis(hydroxyethyl) methyl, nitrates	Burns skin Risk of serious eye damage	Rabbit Rabbit	Read across analogy
quaternary ammonium compounds, coco alkylbis(hydroxyethyl) methyl, chlorides	Burns skin Risk of serious eye damage	Rabbit Rabbit	OECD Test Guideline 404

Conclusion/Summary : Not available

Sensitization Conclusion/Summary: Not available.

Product/ingredient name	Result	Species	Test
Isopropanol	Does not cause skin sensitization	Guinea Pig	Bueler
quaternary ammonium compounds, coco alkylbis(hydroxyethyl) methyl, nitrates	No data available		
quaternary ammonium compounds, coco alkylbis(hydroxyethyl) methyl, chlorides	No data available		

Mutagenicity Conclusion/Summary: Not available.

Product/ingredient name	Result	Species	Test
Isopropanol	Negative	Bacteria	Ames test Method: OECD Test Guideline 471
quaternary ammonium compounds, coco alkylbis(hydroxyethyl) methyl, nitrates	No data available		
quaternary ammonium compounds, coco	Result: negative	-	Ames test Method: OECD Test

alkylbis(hydroxyethyl) methyl,chlorides			Guideline 471
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Carcinogenicity Conclusion/Summary:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity Conclusion/Summary: Not available.

Teratogenicity Conclusion/Summary: Not available.

Specific target organ toxicity (single exposure) Inhalation, Oral - May cause drowsiness or dizziness.

Specific target organ toxicity (repeated exposure): Not available.

Aspiration hazard: Not available.

Information on the likely routes of exposure: Not available.

Section 12	ECOLOGICAL INFORMATION
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12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
Isopropanol	LC50 > 1,400 mg/l	Lepomis macrochirus (Bluegill sunfish)	96 hours
	EC50 > 2,285 mg/l	Daphnia (water flea)	48 hours
quaternary ammonium compounds, coco alkylbis(hydroxyethyl) methyl, nitrates	LC50 > 1 – 10 mg/l	Fish	96 hours
	EC50 > .1 – 1 mg/l	Daphnia (water flea)	48 hours
quaternary ammonium compounds, coco alkylbis(hydroxyethyl) methyl,chlorides	LC50: > 1 - 10 mg/l	Danio rerio (zebra fish)	96 hours
	EC50 > .1 – 1 mg/l	Daphnia (water flea)	48 hours
	EC50: > 0.01 - 0.1 mg/l	Pseudokirchneriella subcapitata	72 hours
	EC10: > 0.01 - 0.1 mg/l	(green algae)	

Conclusion/Summary: Not available.

12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
Isopropanol	OECD Test Guideline 203	Not determined	-	-
quaternary ammonium compounds, coco alkylbis(hydroxyethyl) methyl, nitrates	OECD Test Guideline 203	Not determined	-	-
quaternary ammonium compounds, coco alkylbis(hydroxyethyl) methyl,chlorides	OECD Test Guideline 301B OECD Test Guideline 211 OECD Test Guideline 201	Not determined	-	-

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Isopropanol	-	-	Readily biodegradable
quaternary ammonium compounds, coco alkylbis(hydroxyethyl) methyl,	-	-	Not readily biodegradable

nitrates			
quaternary ammonium compounds, coco alkylbis(hydroxyethyl) methyl, chlorides	-	-	Readily biodegradable

Conclusion/Summary : Not available.

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Isopropanol	Low value	-	Not likely
quaternary ammonium compounds, coco alkylbis(hydroxyethyl) methyl, nitrates	Low value	-	Not likely
quaternary ammonium compounds, coco alkylbis(hydroxyethyl) methyl, chlorides	Low value	-	Not likely

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}): Not available.

Mobility: Not available.

12.5 Results of PBT and vPvB assessment

PBT: Not available.

vPvB: Not available.

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

Section 13	DISPOSAL CONSIDERATIONS
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The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product

Methods of disposal: Offer surplus and non-recyclable solutions to a licensed disposal company

Hazardous waste: RCRA 40 CFR 261 Classifications: Code D001 Ignitable Waste

Contaminated Packaging

Methods of disposal: Dispose of as unused product. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions:

Federal, State, and Local laws governing disposal of material can differ. Ensure proper disposal compliance with proper authorities before disposal.

Section 14	TRANSPORTATION INFORMATION
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	Proper Shipping Name	Hazard Class	Packing Group	UN number	Limitations
US DOT ground	Hazardous Material: Isopropanol	3	II	1219	NA
US DOT air	Hazardous Material: Isopropanol	3	II	1219	NA
IATA	Hazardous Material: Isopropanol	3	II	1219	NA

IMDG	Hazardous Material: Isopropanol	3	II	1219	NA
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Section 15 REGULATORY INFORMATION

US Federal Regulations: SDS complies with the OSHA Hazard Communication Rule, 29 CFR 1910.1200. CERCLA/Superfund, 40 CFR 117, 302: None of the chemicals are CERCLA hazards

SARA Superfund and Reauthorization Act of 1986 Title III sections 302, 311,312 and 313:

Section 302 – None of the chemicals are extremely hazardous substances (40 CFR 355).

Section 311/312 – Material Safety Data Sheet Requirements (40 CFR 370): By our hazard evaluation, this product is hazardous:

- Flammable (gases, aerosols, liquids, or solids)
- Acute toxicity (any route of exposure)
- Skin corrosion or irritation
- Serious eye damage or eye irritation
- Specific target organ toxicity (single or repeated exposure)

Section 313 – List of Toxic Chemicals (40CFR 372): This product contains chemicals (at level of 1% or greater) that are found on the 313 list of Toxic Chemicals.: Isopropyl alcohol (CAS 67-63-0)

Toxic Substance Control Act (TSCA): **All substances are TSCA listed.**

(AICS): Not all substances are listed

Resource Conservation and Recovery Act (RCRA 40 CFR 261) Subpart C & D: **Refer to Section 13.**

Clean Air Act

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

This product does not contain any chemicals subject to disclosure and listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCMII Intermediate or Final VOC's (40 CFR 60.489): 2-Propanol (67-63-0) 33 – 38%

STATE REGULATIONS:

The following chemicals are specifically listed by individual state; other product specific health and safety data in other sections of the SDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state

STATE	CHEMICAL	C.A.S. NUMBER	WEIGHT %
PA, NJ, MA	Isopropyl alcohol	67-63-0	33 – 38

California Proposition 65: --- **None of the chemicals are on the Proposition 65 list---**

INTERNATIONAL REGULATIONS:

Canada WHMIS:

904 (1050 FR) Isopropanol is listed on Ingredient Disclosure List (SOR/88-64)

Class B-2: Flammable liquid with a flash point lower than 37.8° C (100° F)

All Intentionally present components are listed on the DSL

To the best of our ability, this SDS is written in accordance to REACH Directive EC1907/2006 Annex II and GHS requirements. This product is not subject to REACH restrictions. It does not contain any candidates on the SvHC.

Sections 16 OTHER INFORMATION

Additional Classifications

NFPA HAZARD RATING:	(3) Fire	(3) Health	(0) Reactivity
HMIS:	(3) Fire	(3) Health	(0) Reactivity

REVISION DATES, SECTIONS, REVISED BY:

01-MAR-94	Original release date
02-APR-01,	Reviewed
05-DEC-01	Revised section 11 (ld)
01-JULY-04	New Format, All Sections, mkb
09-AUG-04	Revised section 7, mkb
20-JAN-06	Revised section 15, mkb
17-Aug-07	Revised section 11, mkb
21- Oct – 08	Revised section 9, mkb
29-Dec-08	Revised to EU format, mkb
26-Feb-09	Revised section 15, mkb
23-Nov-09	Revised address, mkb
25-Jun-10	Section 8, added substance, mkb
6-July-11	Sections 2, 9, 14, mkb
6-March-12	Sections 2, 3, mkb
11-April-13	Section 2, mkb
15-FEB-15	Reviewed, mkb
23-Apr-15	Revised Section 1, mkb
09-July-15	Revised all sections, mkb
08-Aug-16	Revised sections 2, 7, mkb
31-Jan-18	Revised section 14, mkb
27-Apr-18	Revised section 14, mkb
13-Jul-20	Section 15, mkb
11-Feb-21	Section 14. Mkb
12-July-22	Revised Sections 2 and 14, mkb
01-January-25	Reviewed djc

ABBREVIATIONS USED IN THIS DOCUMENT:

NE – Not Established, NA – Not Applicable, NIF – No Information Found

ABRIDGED LIST OF REFERENCES:

Code of Federal Regulations (CFR)
The Sigma-Aldrich Library of Regulatory and Safety Data
Chemical Guide and OSHA Hazardous Communication Standard
US Department of Labor; Occupational Safety & Health Administration (www.osha.gov)
The Environmental Protection Agency (www.epa.gov)
The Globally Harmonized System of Classification and Labeling of Chemicals (GHS)
Government of Canada: <http://canadagazette.gc.ca/news-e.html>

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