

**SPORANOX**

Version	Revision Date:	SDS Number:	Date of last issue:
1.90	2019/01/15	100000009856	2019/01/05
			Date of first issue: 2013/12/18

**SECTION 1. IDENTIFICATION**

Product name : SPORANOX  
Substance name : SPORANOX oral solution, 10 mg/ml  
Itraconazole

**Manufacturer or supplier's details**

Company name of supplier : Janssen Pharmaceutica NV

Address : Turnhoutseweg 30  
Beerse 2340  
Belgium

Telephone : +3214602111  
Telefax : +3214602841

E-mail address Responsible/issuing person : SDSJanssen@its.jnj.com

**Emergency telephone number** : **CHEMTREC US: 1-800-424-9300**  
**CHEMTREC International: +1 703-527-3887**

**Recommended use of the chemical and restrictions on use**

Recommended use : Finished Pharmaceutical Product  
Pharmacotherapeutic group: Antimycotics for systemic use  
This SDS is only intended for occupational use and not for consumer use (see patient packaging insert for consumer use). This SDS is written to provide environmental, health and safety information for personnel that will be handling this finished pharmaceutical product. For health and safety information during manufacturing of this product we refer to the appropriate SDS for each component.  
This dosage form is not exempt from the requirements of the OSHA Hazard Communication Standard (US OSHA Standard 29 CFR Part 1910.1200).

**SECTION 2. HAZARDS IDENTIFICATION****GHS classification in accordance with 29 CFR 1910.1200**

Not a hazardous substance or mixture.

**GHS label elements**

Not a hazardous substance or mixture., Medicinal products in the finished state, intended for the final user, are not subject to GHS labeling.

**Other hazards**

This Finished Pharmaceutical Product is non-hazardous based on chemical classification rules. Refer to the pharmacotherapeutic group (section 1.2) and the patient packaging insert to evaluate the possible workplace hazards when this Finished Pharmaceutical Product is accidentally leaking, broken or crushed.

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**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture  
Chemical nature : Liquid  
Substance name : SPORANOX oral solution, 10 mg/ml

**Hazardous components**

Chemical name	CAS-No.	Concentration (% w/w)
PROPYLENE GLYCOL	57-55-6	>= 10 - < 20
ITRACONAZOLE	84625-61-6	>= 1 - < 5
hydrochloric acid	7647-01-0	>= 0.1 - < 1

**SECTION 4. FIRST AID MEASURES**

If inhaled : If breathed in, move person into fresh air.  
Consult a physician.

In case of skin contact : Take off contaminated clothing and shoes immediately.  
Wash off with soap and water.  
If symptoms persist, call a physician.

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids,  
for at least 5 minutes.  
Remove contact lenses.  
If eye irritation persists, consult a specialist.

If swallowed : If swallowed, rinse mouth with water (only if the person is con-  
scious).  
Call a physician immediately.

Most important symptoms and effects, both acute and delayed : Consult the patient packaging insert for more information  
about this Finished Pharmaceutical Product.  
Abdominal pain  
headache  
nausea  
Dizziness  
Cough  
Diarrhoea  
Vomiting  
Fever  
Shortness of breath  
Rash

Notes to physician : Treat symptomatically.  
Consult the patient packaging insert for more information  
about this Finished Pharmaceutical Product.

**SECTION 5. FIREFIGHTING MEASURES**

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- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Specific hazards during fire-fighting : Heating can release hazardous gases.
- Hazardous combustion products : No hazardous combustion products are known
- Further information : Avoid dust formation.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and emergency procedures : In the event of an accidental release the emergency response team must respond based on a risk assessment and use personal protective equipment as appropriate. Evacuate personnel to safe areas.
- Environmental precautions : Should not be released into the environment. Do not flush into surface water or sanitary sewer system.
- Methods and materials for containment and cleaning up : Large spills: Dam up. Soak up with inert absorbent material. Keep in properly labelled containers.  
Small spills: Gently cover the spill with an absorbent towel or pad.  
Large spills + Small spills: Keep in suitable, closed containers for disposal. Treat recovered material as described in the section "Disposal considerations".

**SECTION 7. HANDLING AND STORAGE**

- Advice on safe handling : To avoid thermal decomposition, do not overheat. Avoid inhalation, ingestion and contact with skin and eyes. Do not break, crush or spill this Finished Pharmaceutical Product. Use personal protective equipment as required.
- Conditions for safe storage : To maintain product quality, do not store in heat or direct sunlight. Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition. Keep locked up.
- Materials to avoid : Do not freeze.
- Recommended storage temperature : < 25 °C

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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
PROPYLENE GLYCOL	57-55-6	TWA	10 mg/m <sup>3</sup>	US WEEL
ITRACONAZOLE	84625-61-6	TWA	0.360 mg/m <sup>3</sup>	J&J OEL/PBOEL HHC
		PBOEL-HHC	1 B	J&J OEL/PBOEL HHC
	Further information: J&J has a hazard banding notation: PBOEL HHC. This substance is classified by J&J as being PBOEL HHC 1B.			
hydrochloric acid	7647-01-0	C	2 ppm	ACGIH
		C	5 ppm 7 mg/m <sup>3</sup>	NIOSH REL
		C	5 ppm 7 mg/m <sup>3</sup>	OSHA Z-1
		C	5 ppm 7 mg/m <sup>3</sup>	OSHA P0

**Engineering measures** : All personal protective equipment should be based on a risk assessment. Consult a Environment Health Safety expert if necessary.  
If this product is processed not in accordance with the prescribed use, contact the Industrial Hygiene / Environment Health Safety Expert to assess the situation.  
Validated Industrial Hygiene Analytical methods are developed to monitor and quantify inhalable exposure to the Active Pharmaceutical Ingredient. For more information contact Maxxam Analytics ([www.maxxamlabs.com](http://www.maxxamlabs.com)) or the Laboratory of Occupational and Environmental Hygiene ([www.lamh.be](http://www.lamh.be)).

### Personal protective equipment

**Respiratory protection** : No personal respiratory protective equipment normally required.  
Engineering controls should always be the primary method of controlling exposures.  
If respiratory protective equipment is needed for certain activities, the type as well as the corresponding protection factor will depend upon the risk assessment and air concentrations, hazards, physical and warning properties of substances present.

Hand protection

Remarks : No special precautions required.

Eye protection : No special precautions required.

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Skin and body protection : No special precautions required.

Protective measures : The type of protective equipment must be selected based on the Environmental Health and Safety risk assessment. Consult a Environmental Health and Safety expert if necessary.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid, solution

Colour : clear

Odour : No data available

Odour Threshold : No data available

pH : No data available

Melting point/range : No data available

Boiling point/boiling range : No data available

Flash point : No data available

Evaporation rate : No data available

Flammability (solid, gas) : No information available.

Self-ignition : No data available

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapour pressure : No data available

Relative vapour density : No data available

Relative density : No data available

Density : No data available

Solubility(ies)  
Water solubility : No data available

Partition coefficient: n-octanol/water : No data available

Decomposition temperature : No data available

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Viscosity  
 Viscosity, dynamic : No data available

Viscosity, kinematic : No data available

Explosive properties : No data available

Oxidizing properties : No data available

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity : None reasonably foreseeable.

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.

Conditions to avoid : To avoid thermal decomposition, do not overheat.

Incompatible materials : None known.

Hazardous decomposition products : None known.

**SECTION 11. TOXICOLOGICAL INFORMATION****Acute toxicity****Product:**

Acute oral toxicity : Acute toxicity estimate: > 5,000 mg/kg  
 Method: Calculation method

**Components:****PROPYLENE GLYCOL:**

Acute oral toxicity : LD50 (Rat): > 10,400 mg/kg

Acute inhalation toxicity : LC50 (Rabbit): > 317,042 mg/l  
 Exposure time: 2 h  
 Test atmosphere: vapour

Acute dermal toxicity : LD50 (Rabbit): 20,800 mg/kg

**ITRACONAZOLE:**

Acute oral toxicity : LD50 (Rat): > 320 mg/kg  
 Assessment: The component/mixture is moderately toxic after single ingestion.

LD50 (Mouse): > 320 mg/kg

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Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

Acute toxicity (other routes of administration) : LD50 (Rat): 40 - 46 mg/kg  
Application Route: intravenous injection

LD50 (Mouse): 46 mg/kg  
Application Route: intravenous injection

**hydrochloric acid:**

Acute oral toxicity : LD50 Oral (Rabbit): 900 mg/kg

LD50 Oral (Rat): 700 mg/kg

LD50 Oral (Mouse): 1,449 mg/kg

Acute inhalation toxicity : LC50 (Mouse): 20.487 mg/m<sup>3</sup>/5M  
Test atmosphere: vapour

LC50 (Mouse): 3.940 mg/m<sup>3</sup>/30M  
Test atmosphere: vapour

LC50 (Mouse): 8.300 mg/m<sup>3</sup>/30M  
Test atmosphere: vapour

LC50 (Rat): 45.000 - 60.938 mg/m<sup>3</sup>/5M  
Test atmosphere: vapour

LC50 (Rat): 7.400 - 8.300 mg/m<sup>3</sup>/30M  
Test atmosphere: vapour

Acute dermal toxicity : LD50 (Rabbit): > 5,010 mg/kg

Acute toxicity (other routes of administration) : Remarks: No data available

**Skin corrosion/irritation****Components:****ITRACONAZOLE:**

Remarks: No data available

**hydrochloric acid:**

Result: Corrosive to skin

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**Serious eye damage/eye irritation****Components:****ITRACONAZOLE:**

Remarks: No data available

**hydrochloric acid:**

Remarks: Causes eye burns.

**Respiratory or skin sensitisation****Components:****ITRACONAZOLE:**

Remarks: No data available

**hydrochloric acid:**

Remarks: No data available

**Germ cell mutagenicity****Components:****ITRACONAZOLE:**

Genotoxicity in vitro	:	Test Type: Ames test Result: negative
	:	Test Type: Chromosome aberration test in vitro Species: Human lymphocytes Result: negative
Genotoxicity in vivo	:	Test Type: In vivo micronucleus test Species: Mouse Result: negative
Germ cell mutagenicity - Assessment	:	Did not show mutagenic effects in animal experiments.

**hydrochloric acid:**

Germ cell mutagenicity - Assessment	:	No information available.
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**Carcinogenicity****Components:****ITRACONAZOLE:**

Carcinogenicity - Assess- ment	:	Animal testing did not show any carcinogenic effects.
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**hydrochloric acid:**

Carcinogenicity - Assessment : No information available.

**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.

**OSHA**

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**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.

**Reproductive toxicity****Components:****ITRACONAZOLE:**

Reproductive toxicity - Assessment : In animal testing, risk of impaired fertility was shown only after administration of very high doses of this substance.

Teratogenicity - Assessment : Ingestion of excessive amounts by pregnant animals resulted in maternal and foetal toxicity.

**hydrochloric acid:**

Reproductive toxicity - Assessment : No information available.

Teratogenicity - Assessment : No information available.

**STOT - single exposure****Components:****ITRACONAZOLE:**

Remarks: No data available

**hydrochloric acid:**

Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.

**STOT - repeated exposure**

No data available

**Repeated dose toxicity****Components:****ITRACONAZOLE:**

Species: Rat

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NOAEL: 10 mg/kg  
Application Route: Oral  
Exposure time: 3 m

Species: Rat  
NOAEL: 20 mg/kg  
Application Route: Oral  
Exposure time: 3 m  
Subsequent observation period: 1 m

Species: Dog  
NOAEL: 2.5 mg/kg  
Application Route: Oral  
Exposure time: 3 m

Species: Dog  
NOAEL: 5 mg/kg  
Application Route: Oral  
Exposure time: 3 m  
Subsequent observation period: 1 m

Species: Rat  
NOAEL: < 7 mg/kg  
Application Route: Oral  
Exposure time: 6m

Species: Rat  
NOAEL: < 3 mg/kg  
Application Route: Oral  
Exposure time: 12 m

Species: Dog  
NOAEL: 5 mg/kg  
Application Route: Oral  
Exposure time: 12 m

**Aspiration toxicity**

No data available

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Components:****PROPYLENE GLYCOL:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 51,600 mg/l  
Exposure time: 96 h  
Remarks: No data available

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 43,500 mg/l  
aquatic invertebrates Exposure time: 48 h

Toxicity to fish (Chronic tox- : NOEC: > 100 mg/l

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icity)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : (Daphnia sp. (water flea)): 13,020 mg/l  
Exposure time: 7 d

**ITRACONAZOLE:**

Toxicity to fish : EC50 (Lepomis macrochirus (Bluegill sunfish)): > 1,000 mg/l  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 1,000 mg/l  
Method: OECD Test Guideline 202

Toxicity to algae : (Scenedesmus capricornutum (fresh water algae)): > 1,000 mg/l  
Test Type: Growth inhibition  
Method: OECD Test Guideline 201

(microcystis aeruginosa (blue green algae)): > 1,000 mg/l  
Test Type: Growth inhibition  
Method: OECD Test Guideline 201

Toxicity to microorganisms : NOEC (activated sludge): >= 2,000 mg/l  
Exposure time: 3 h  
Method: OECD Test Guideline 209

EC50 (activated sludge): > 2,000 mg/l  
Exposure time: 3 h  
Method: OECD Test Guideline 209

**hydrochloric acid:**

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 862 mg/l  
Exposure time: 48 h

EC50 (Scenedesmus capricornutum (fresh water algae)): 8.5 mg/l

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 71 mg/l  
Exposure time: 24 h

Toxicity to algae : EC50: 25.5 mg/l  
Exposure time: 120 h  
Method: OECD Test Guideline 201

**Persistence and degradability****Components:****PROPYLENE GLYCOL:**

Biodegradability : Biodegradation: 81 %  
Exposure time: 28 d

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**ITRACONAZOLE:**

Biodegradability : Remarks: No data available

**hydrochloric acid:**

Biodegradability : Remarks: No data available

**Bioaccumulative potential****Components:****PROPYLENE GLYCOL:**Bioaccumulation : Bioconcentration factor (BCF): < 100  
Remarks: No data available

Partition coefficient: n-octanol/water : log Pow: -0.92

**ITRACONAZOLE:**

Bioaccumulation : Remarks: No data available

Partition coefficient: n-octanol/water : Pow: 5.18

**hydrochloric acid:**

Bioaccumulation : Remarks: No data available

**Mobility in soil****Components:****PROPYLENE GLYCOL:**

Distribution among environmental compartments : Remarks: No data available

**ITRACONAZOLE:**Distribution among environmental compartments : log Koc: 15.3  
Method: OECD Test Guideline 121  
Remarks: immobile**Other adverse effects****Product:**Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances  
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

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**Components:****PROPYLENE GLYCOL:**

Results of PBT and vPvB assessment : No information available.

Additional ecological information : No data available

**ITRACONAZOLE:**

Results of PBT and vPvB assessment : No information available.

Additional ecological information : No data available

**hydrochloric acid:**

Environmental fate and pathways : No data available

Results of PBT and vPvB assessment : No information available.

Additional ecological information : No data available

**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

Waste from residues : In accordance with National, Federal, State and Local regulations.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

**SECTION 14. TRANSPORT INFORMATION****International Regulations****UNRTDG**

Not regulated as a dangerous good

**IATA-DGR**

Not regulated as a dangerous good

**IMDG-Code**

Not regulated as a dangerous good

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**National Regulations**

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**49 CFR**

Not regulated as a dangerous good

**SECTION 15. REGULATORY INFORMATION****EPCRA - Emergency Planning and Community Right-to-Know Act****CERCLA Reportable Quantity**

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Hydrochloric acid	7647-01-0	5000	*

\*: Calculated RQ exceeds reasonably attainable upper limit.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 302 Extremely Hazardous Substances Threshold Planning Quantity**

This material does not contain any components with a section 302 EHS TPQ.

**SARA 313**

: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**Clean Air Act**

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

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 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 SOCM I Intermediate or Final VOC's (40 CFR 60.489):

PROPYLENE GLYCOL	57-55-6	10.4 %
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**Clean Water Act**

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

hydrochloric acid	7647-01-0	0.2161 %
isopentyl acetate	123-92-2	0.0012 %
2-furaldehyde	98-01-1	0.0005 %

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

hydrochloric acid	7647-01-0	0.2161 %
2-furaldehyde	98-01-1	0.0005 %

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

**US State Regulations****Massachusetts Right To Know**

hydrochloric acid	7647-01-0
NATRIUMSACCHARINAAT	128-44-9

**Pennsylvania Right To Know**

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HYDROXYPROPYL-BETA-CYCLODEXTRIN	128446-35-5
SORBITOL 70% NIET KRIST.	Not Assigned
Purified water, USP	7789-20-0
PROPYLENE GLYCOL	57-55-6
hydrochloric acid	7647-01-0
NATRIUMSACCHARINAAT	128-44-9

**New York City Hazardous Substances**

hydrochloric acid	7647-01-0
benzaldehyde	100-52-7
ethanol	64-17-5
isopentyl acetate	123-92-2
2-furaldehyde	98-01-1
No components listed on the New York City Hazardous Substances List	

**New York City Hazardous Substances**

hydrochloric acid	7647-01-0
benzaldehyde	100-52-7
ethanol	64-17-5
isopentyl acetate	123-92-2
2-furaldehyde	98-01-1

**California Prop 65**

, which is/are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

ethanol	64-17-5
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**Other regulations**

: Restricted to professional users.

This product is not subject to TSCA and TSCA 12(b) Export notification because Food, Drugs and cosmetic products are exempt.

This dosage form is not exempt from the requirements of the OSHA Hazard Communication Standard (US OSHA Standard 29 CFR Part 1910.1200).

**The components of this product are reported in the following inventories:**

: This product is not subject to TSCA and TSCA 12(b) Export notification because Food, Drugs and cosmetic products are exempt.

**TSCA list**

Not relevant

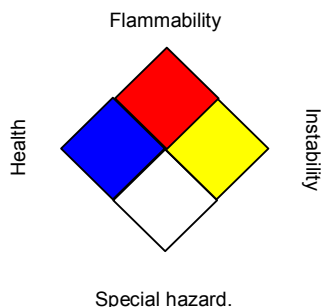
**SECTION 16. OTHER INFORMATION****Full text of other abbreviations**

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of

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the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

**Further information****NFPA:****HMIS® IV:**

<b>HEALTH</b>	<input type="text"/>	<input type="text"/>
<b>FLAMMABILITY</b>	<input type="text"/>	
<b>PHYSICAL HAZARD</b>	<input type="text"/>	

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

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**Date and Number Formats**

This document uses the following notation for printing dates and numbers:



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<b>Date:</b>	Dec 31th, 2012	as	2012/12/31
<b>Numbers:</b>	123456,78	as	123,456.78

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