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SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific hazards during fire fighting : Do not allow run-off from fire fighting to enter drains or water courses.
Exposure to decomposition products may be a hazard to health.
- Hazardous combustion products : Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).
Carbon oxides
Nitrogen oxides (NOx)
Sulfur oxides
potassium oxide
Metal oxides
Magnesium oxides
Chlorine compounds
Iodine compounds
Hydrogen chloride gas
Arsenic compounds
Fluorine compounds
- Specific extinguishing methods : In the event of fire and/or explosion do not breathe fumes.
Use a water spray to cool fully closed containers.
- Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
Ensure adequate ventilation.
Remove all sources of ignition.
Evacuate personnel to safe areas.
Avoid breathing dust/fumes/gas/mist/vapors/spray.
Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
- Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
- Methods and materials for containment and cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
sodium hypochlorite

SECTION 7. HANDLING AND STORAGE

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- Advice on protection against fire and explosion : Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Use only explosion-proof equipment. Keep away from open flames, hot surfaces and sources of ignition.
- Advice on safe handling : Avoid formation of aerosol.
Do not breathe vapors/dust.
Avoid exposure - obtain special instructions before use.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Provide sufficient air exchange and/or exhaust in work rooms.
Open drum carefully as content may be under pressure.
Dispose of rinse water in accordance with local and national regulations.
- Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.
- Materials to avoid : Do not store together with oxidizing and self-igniting products.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
Ingredients with workplace control parameters

Ingredients	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
PEG	25322-68-3	TWA	10 mg/m ³	US WEEL
		TWA (aerosol)	10 mg/m ³	US WEEL
2-methylpentane-2,4-diol	107-41-5	C	25 ppm	ACGIH
		C	25 ppm 125 mg/m ³	NIOSH REL
		C	25 ppm 125 mg/m ³	OSHA P0
hexane-1,6-diol	629-11-8	TWA	10 mg/m ³	US WEEL
ethanol	64-17-5	TWA	1,000 ppm 1,900 mg/m ³	NIOSH REL
		TWA	1,000 ppm 1,900 mg/m ³	OSHA Z-1
		TWA	1,000 ppm 1,900 mg/m ³	OSHA P0
		STEL	1,000 ppm	ACGIH
2-propanol	67-63-0	TWA	200 ppm	ACGIH
		STEL	400 ppm	ACGIH
		TWA	400 ppm 980 mg/m ³	NIOSH REL
		ST	500 ppm 1,225 mg/m ³	NIOSH REL
		TWA	400 ppm 980 mg/m ³	OSHA Z-1

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		TWA	400 ppm 980 mg/m ³	OSHA P0
		STEL	500 ppm 1,225 mg/m ³	OSHA P0
glycerol	56-81-5	TWA (mist, respirable fraction)	5 mg/m ³	OSHA Z-1
		TWA (mist, total dust)	15 mg/m ³	OSHA Z-1
		TWA (Total)	10 mg/m ³	OSHA P0
		TWA (Respirable fraction)	5 mg/m ³	OSHA P0
		TWA	10 mg/m ³	ACGIH
		TWA (Mist - total dust)	10 mg/m ³	OSHA P0
		TWA (Mist - respirable fraction)	5 mg/m ³	OSHA P0
potassium iodide	7681-11-0	TWA (Inhalable fraction and vapor)	0.01 mg/m ³	ACGIH
		TWA (Inhalable fraction and vapor)	0.01 mg/m ³	ACGIH
		TWA (Inhalable fraction and vapor)	0.01 ppm (iodine)	ACGIH
sodium iodide	7681-82-5	TWA (Inhalable fraction and vapor)	0.01 mg/m ³	ACGIH
		TWA (Inhalable fraction and vapor)	0.01 ppm (iodine)	ACGIH
potassium fluoride	7789-23-3	TWA	2.5 mg/m ³ (Fluorine)	OSHA Z-1
		TWA	2.5 mg/m ³ (Fluorine)	ACGIH
		TWA	2.5 mg/m ³ (Fluorine)	OSHA P0
		TWA	2.5 mg/m ³ (Fluorine)	OSHA Z-1
		TWA	2.5 mg/m ³ (Fluorine)	ACGIH
		TWA	2.5 mg/m ³ (Fluorine)	OSHA P0
ammonium chloride	12125-02-9	TWA	10 mg/m ³	ACGIH
		STEL	20 mg/m ³	ACGIH
		TWA (Fumes)	10 mg/m ³	NIOSH REL

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		ST (Fumes)	20 mg/m ³	NIOSH REL
		TWA	10 mg/m ³	OSHA P0
		STEL	20 mg/m ³	OSHA P0
		TWA (Fumes)	10 mg/m ³	ACGIH
		STEL (Fumes)	20 mg/m ³	ACGIH
		TWA (Fumes)	10 mg/m ³	NIOSH REL
		ST (Fumes)	20 mg/m ³	NIOSH REL
ammonium fluoride	12125-01-8	TWA	2.5 mg/m ³ (Fluorine)	OSHA Z-1
		TWA	2.5 mg/m ³ (Fluorine)	ACGIH
		TWA	2.5 mg/m ³ (Fluorine)	OSHA P0
		TWA	2.5 mg/m ³ (Fluorine)	OSHA Z-1
		TWA	2.5 mg/m ³ (Fluorine)	ACGIH
		TWA	2.5 mg/m ³ (Fluorine)	OSHA P0

Hazardous components without workplace control parameters

Ingredients	CAS-No.
Lithium citrate tribasic tetrahydrate	6080-58-6
Magnesium nitrate, hexahydrate	13446-18-9
triammonium citrate	3458-72-8
lithium chloride	7447-41-8
Magnesium chloride, hexahydrate	7791-18-6
calcium acetate hydrate	114460-21-8
ammonium iodide	12027-06-4
calcium chloride dihydrate	10035-04-8
lithium sulfate, monohydrate	10102-25-7
4-Morpholineethanesulfonic acid	145224-94-8
Sodium cacodylate trihydrate	6131-99-3
2-(Cyclohexylamino)ethanesulfonic acid	103-47-9
potassium nitrate	7757-79-1
citric acid	77-92-9
potassium thiocyanate	333-20-0
sodium thiocyanate	540-72-7
ammonium nitrate	6484-52-2
lithium nitrate	7790-69-4
ammonium formate	540-69-2
imidazole	288-32-4

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Biological occupational exposure limits

Ingredients	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
	67-63-0	Acetone	Urine	End of shift at end of workweek	40 mg/l	ACGIH BEI
	7789-23-3	Fluoride (Fluorine)	Urine	Prior to shift (16 hours after exposure ceases)	2 mg/l	ACGIH BEI
		Fluoride (Fluorine)	Urine	End of shift (As soon as possible after exposure ceases)	3 mg/l	ACGIH BEI
	12125-01-8	Fluoride (Fluorine)	Urine	Prior to shift (16 hours after exposure ceases)	2 mg/l	ACGIH BEI
		Fluoride (Fluorine)	Urine	End of shift (As soon as possible after exposure ceases)	3 mg/l	ACGIH BEI

Personal protective equipment

Respiratory protection : In the case of vapor formation use a respirator with an approved filter.

Hand protection
Material : Protective gloves

Remarks : The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Eye protection : Tightly fitting safety goggles
Wear face-shield and protective suit for abnormal processing problems.
Do not wear contact lenses.
Ensure that eyewash stations and safety showers are close

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to the workstation location.

Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the workplace.
Footwear protecting against chemicals
Workers should wear antistatic footwear.

Hygiene measures : Keep away from food and drink.
Wash hands before breaks and at the end of workday.
Ensure adequate ventilation, especially in confined areas.
Keep working clothes separately.
Avoid contact with the skin and the eyes.
When using do not eat, drink or smoke.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Color : No data available

Odor : No data available

Odor 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

Burning rate : No data available

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapor pressure : No data available

Relative vapor density : No data available

Relative density : No data available

Density : No data available

Solubility(ies)

 Water solubility : No data available

 Solubility in other solvents : No data available

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

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Autoignition temperature	: No data available
Decomposition temperature	: No data available
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	: No decomposition if stored and applied as directed.
Chemical stability	: No decomposition if stored and applied as directed.
Possibility of hazardous reactions	: Stable under recommended storage conditions. Hazardous decomposition products formed under fire conditions. Vapors may form explosive mixture with air. Keep away from oxidizing agents, and acidic or alkaline products.
Conditions to avoid	: Heat, flames and sparks.
Incompatible materials	: No data available
Hazardous decomposition products	: No decomposition if stored and applied as directed.

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Harmful if swallowed.

Product:

Acute oral toxicity	: No data available
	Acute toxicity estimate: 1,041 mg/kg Method: Calculation method
Acute inhalation toxicity	: No data available
	Acute toxicity estimate: > 40 mg/l Exposure time: 4 h Test atmosphere: vapor Method: Calculation method
Acute dermal toxicity	: No data available

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

Ingredients:**PEG:**

Acute inhalation toxicity : No data available

Acute dermal toxicity : No data available

2-methylpentane-2,4-diol:

Acute oral toxicity : LD50 Oral (Rat): 3,700 mg/kg

Acute dermal toxicity : LD50 Dermal (Rabbit): 7,892 mg/kg

hexane-1,6-diol:

Acute oral toxicity : LD50 Oral (Rat): > 3,000 mg/kg

Acute dermal toxicity : LD50 Dermal (Rabbit): > 2,500 mg/kg

ethanol:

Acute oral toxicity : LD50 Oral (Rat): 10,470 mg/kg

Acute inhalation toxicity : LC50 (Rat): 20000 ppm
Exposure time: 10 h

2-propanol:

Acute oral toxicity : LD50 Oral (Rat): 5,045 mg/kg

Acute dermal toxicity : LD50 Dermal (Rabbit): 12,800 mg/kg

glycerol:

Acute oral toxicity : LD50 Oral (Rat): 12,000 mg/kg

Acute dermal toxicity : LD50 Dermal (Rabbit): 10,000 mg/kg

Magnesium nitrate, hexahydrate:

Acute oral toxicity : LD50 Oral (Rat): 5,440 mg/kg

lithium chloride:

Acute oral toxicity : LD50 Oral (Rat): 526 mg/kg

Magnesium chloride, hexahydrate:

Acute oral toxicity : LD50 Oral (Rat): 8,100 mg/kg

calcium acetate hydrate:

Acute oral toxicity : LD50 Oral (Rat): 4,280 mg/kg

potassium iodide:

Acute oral toxicity : LD50 Oral (Mouse): 1,000 mg/kg

Acute inhalation toxicity : No data available

Acute dermal toxicity : No data available

sodium iodide:

Acute oral toxicity : LD50 Oral (Rat): 4,340 mg/kg

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lithium sulfate, monohydrate:

Acute oral toxicity : LD50 Oral (Rat): 613 mg/kg

potassium nitrate:

Acute oral toxicity : LD50 Oral (Rat): 3,750 mg/kg

citric acid:

Acute oral toxicity : LD50 Oral (Rat): 5,400 mg/kg

Acute dermal toxicity : LD50 Dermal (Rat): > 2,000 mg/kg

potassium thiocyanate:

Acute oral toxicity : LD50 Oral (Rat): 854 mg/kg

sodium thiocyanate:

Acute oral toxicity : LD50 Oral (Rat): 764 mg/kg

Acute inhalation toxicity : Acute toxicity estimate: 1.6 mg/l
Test atmosphere: dust/mist**ammonium nitrate:**

Acute oral toxicity : LD50 Oral (Rat): 2,217 mg/kg

ammonium formate:

Acute oral toxicity : LD50 Oral (Mouse): 2,250 mg/kg

potassium fluoride:

Acute oral toxicity : LD50 Oral (Rat): 148 - 225 mg/kg

ammonium chloride:

Acute oral toxicity : LD50 Oral (Rat): 1,650 mg/kg

imidazole:

Acute oral toxicity : LD50 Oral (Rat): 970 mg/kg

Skin corrosion/irritation

Causes skin irritation.

Product:Remarks:
May irritate skin.**Ingredients:****2-propanol:**Species: Rabbit
Result: Mild skin irritation**glycerol:**Species: Rabbit
Exposure time: 24 h
Result: Mild skin irritation**Magnesium nitrate, hexahydrate:**Species: Rabbit
Exposure time: 24 h

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Result: Mild skin irritation

sodium thiocyanate:

Species: Rabbit

Result: No skin irritation

Serious eye damage/eye irritation

Causes serious eye irritation.

Product:

Remarks:

May cause irreversible eye damage.

Ingredients:**ethanol:**

Result: Eye irritation

2-propanol:

Species: Rabbit

Result: Eye irritation

Exposure time: 24 h

glycerol:

Species: Rabbit

Result: Mild eye irritation

Exposure time: 24 h

Magnesium nitrate, hexahydrate:

Species: Rabbit

Result: Mild eye irritation

Exposure time: 24 h

sodium thiocyanate:

Species: Rabbit

Result: No eye irritation

Respiratory or skin sensitization

Skin sensitization: Not classified based on available information.

Respiratory sensitization: Not classified based on available information.

Ingredients:**sodium thiocyanate:**

Species: Humans

Result: positive

Species: Guinea pig

Result: positive

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

May cause cancer.

IARC

Group 2A: Probably carcinogenic to humans

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Magnesium nitrate, hexahydrate	13446-18-9
potassium nitrate	7757-79-1
ammonium nitrate	6484-52-2
lithium nitrate	7790-69-4

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

NTP No ingredient 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

May damage fertility or the unborn child.

STOT-single exposure

May cause respiratory irritation.

Ingredients:**2-propanol:**

Assessment: May cause drowsiness or dizziness.

STOT-repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Further information**Product:**

Remarks:

Solvents may degrease the skin.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Product:**

Toxicity to fish : No data available

Toxicity to algae : No data available

Toxicity to bacteria : No data available
: (Leuciscus idus (Golden orfe)): > 500 mg/l

Ingredients:**PEG:**

Toxicity to fish

Exposure time: 96 h

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Test Type: static test

2-methylpentane-2,4-diol:Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 10,700 mg/l
Exposure time: 96 hToxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 3,200 mg/l
aquatic invertebrates Exposure time: 48 h**hexane-1,6-diol:**Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 4,640 mg/l
Exposure time: 96 hToxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 500 mg/l
aquatic invertebrates Exposure time: 48 h
Test Type: ImmobilizationToxicity to algae : EC50 (Scenedesmus capricornutum (fresh water algae)):
5,940 mg/l
Exposure time: 72 h
Test Type: Growth inhibitionToxicity to bacteria : IC50 (Pseudomonas putida): > 10,000 mg/l
Exposure time: 17 h
Test Type: Growth inhibition**2-propanol:**Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 9,640 mg/l
Exposure time: 96 hToxicity to algae : EC50 (Desmodesmus subspicatus (Scenedesmus
subspicatus)): 2,000 mg/l
Exposure time: 72 h**glycerol:**Toxicity to fish : LC0 (Leuciscus idus (Golden orfe)): > 250 mg/l
Exposure time: 48 h**lithium chloride:**Toxicity to fish : LC50: 17 mg/l
Exposure time: 96 h**potassium iodide:**Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 2,190 mg/l
Exposure time: 96 h**sodium iodide:**Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 860 mg/l
Exposure time: 96 hToxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 0.17 mg/l
aquatic invertebrates Exposure time: 48 h**Sodium cacodylate trihydrate:**Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 53.5 mg/l
aquatic invertebrates Exposure time: 48 h

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potassium nitrate:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 98.9 mg/l
Exposure time: 96 h

citric acid:

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 440 mg/l
Exposure time: 48 h

Toxicity to daphnia and other aquatic invertebrates : (Daphnia magna (Water flea)): 1,535 mg/l
Exposure time: 24 h
Test Type: static test

potassium thiocyanate:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 11 mg/l
Exposure time: 48 h

sodium thiocyanate:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 233 mg/l
Exposure time: 96 h

LC50 (Pimephales promelas (fathead minnow)): > 100 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 11 mg/l
Exposure time: 48 h

Toxicity to algae : (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l

Toxicity to bacteria : EC10 (Bacteria): 8,000 mg/l
Method: OECD Test Guideline 209

ammonium chloride:

Toxicity to fish : LC50 (Cyprinus carpio (Carp)): 209 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 161 mg/l
Exposure time: 48 h

imidazole:

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 283.6 mg/l
Exposure time: 48 h
Test Type: static test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 341.5 mg/l
Exposure time: 48 h

Toxicity to algae : EC50 (Scenedesmus quadricauda (Green algae)): 133 mg/l
Exposure time: 72 h
Test Type: static test

Toxicity to bacteria : 45 mg/l
Exposure time: 0.5 h

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Persistence and degradability

No data available

Bioaccumulative potential**Product:**

Bioaccumulation : No data available

Ingredients:**sodium thiocyanate:**

Partition coefficient: n-octanol/water : Remarks: Not applicable

Mobility in soil

No data available

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).Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Toxic to aquatic life.
Harmful to aquatic life with long lasting effects.

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**Waste from residues : The product should not be allowed to enter drains, water courses or the soil.
Send to a licensed waste management company.
Dispose of as hazardous waste in compliance with local and national regulations.Contaminated packaging : Dispose of as unused product.
Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION**IATA-DGR**UN/ID No. : UN 1993
Proper shipping name : Flammable liquid, n.o.s.

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(ethanol, ISOPROPANOL)
 Class : 3
 Packing group : II
 Labels : Flammable Liquids

IMDG-Code

UN number : UN 1993
 Proper shipping name : FLAMMABLE LIQUID, N.O.S.
 (ethanol, ISOPROPANOL)
 Class : 3
 Packing group : II
 Labels : 3
 EmS Code : F-E, S-E
 Marine pollutant : no

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

Not applicable for product as supplied.

Domestic regulation**49 CFR**

UN/ID/NA number : UN 1993
 Proper shipping name : FLAMMABLE LIQUIDS, N.O.S.
 (ethanol, ISOPROPANOL)
 Class : 3
 Packing group : II
 Labels : Class 3 - Flammable Liquid
 ERG Code : 128
 Marine pollutant : no

SECTION 15. REGULATORY INFORMATION
EPCRA - Emergency Planning and Community Right-to-Know**SARA 304 Extremely Hazardous Substances Reportable Quantity**

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

SARA 311/312 Hazards : Fire Hazard
 Acute Health Hazard
 Chronic Health Hazard

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:

Magnesium nitrate, hexahydrate	13446-18-9
potassium nitrate	7757-79-1

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ammonium nitrate 6484-52-2

lithium nitrate 7790-69-4

US State Regulations
California Prop. 65

ethanol WARNING! This product contains a chemical known in the State of California to cause cancer.

64-17-5

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

64-17-5

Lithium citrate tribasic tetrahydrate 6080-58-6

TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

SECTION 16. OTHER INFORMATION
Full text of other abbreviations

(Q)SAR - (Quantitative) Structure Activity Relationship; ASTM - American Society for the Testing of Materials; bw - Body weight; DIN - Standard of the German Institute for Standardisation; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized 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; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISO - International Organisation for Standardization; 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; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative; DSL - Domestic Substances List (Canada); KECI - Korea Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); AICS - Australian Inventory of Chemical Substances; IECSC - Inventory of Existing Chemical Substances in China; ENCS - Existing and New Chemical Substances (Japan); ISHL - Industrial Safety and Health Law (Japan); PICCS - Philippines Inventory of Chemicals and Chemical Substances; NZIoC - New Zealand Inventory of Chemicals; TCSI - Taiwan Chemical Substance Inventory; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; DOT - Department of Transportation; EHS - Extremely Hazardous Substance; HMIS - Hazardous Materials Identification System; MSHA - Mine Safety and Health Administration; NFPA - National Fire Protection Association; RCRA - Resource Conservation and Recovery Act; RQ - Reportable Quantity; SARA - Superfund Amendments and Reauthorization Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant;

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GLP - Good Laboratory Practice; ERG - Emergency Response Guide; NTP - National Toxicology Program; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods

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