

Safety Data Sheet

# Safety Data Sheet

### Section 1. Identification

Product name

: ALPHA® SLS-65 FLUX

Product code

: 115327

Product type

: Liquid.

Date of issue/Date of

: September 26 2016.

revision

Manufacturer - Supplier	Telephone no.:	Emergency phone:
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# Section 2. Hazards identification

**OSHA/HCS** status

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: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : FLAMMABLE LIQUIDS - Category 2

SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A TOXIC TO REPRODUCTION (Fertility) - Category 1B

SPECIFIC TARGET ORGAN TOXICITY (Narcotic effects) - Category 3

AQUATIC HAZARD (ACUTE) - Category 3
AQUATIC HAZARD (LONG-TERM) - Category 3

**GHS label elements** 

Hazard pictograms





Signal word

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Ghi la Mai ali : Danger

Hazard statements

: Highly flammable liquid and vapor. Causes serious eye irritation.

May damage fertility.

May cause drowsiness and dizziness.

Harmful to aquatic life with long lasting effects.

Precautionary statements

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### Section 2. Hazards identification

#### Prevention

: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Avoid breathing vapor. Wash hands thoroughly after handling.

#### Response

: IF exposed or concerned: Get medical attention. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

### Storage

: Store locked up. Store in a well-ventilated place. Keep cool.

Disposal

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

Supplemental label elements

: Avoid contact with skin and clothing. Wash thoroughly after handling.

Hazards not otherwise classified

: Prolonged or repeated contact may dry skin and cause irritation.

# Section 3. Composition/information on ingredients

Substance/mixture

: Mixture

Ingredient name	%	CAS number
Isopropyl alcohol	80-100	67-63-0
ester	1-10	<b> -</b> , <sub>€</sub>
Organic acid	1-10	- ### ### ####
Organic acid Ester	0.1-1.0	- 1 gar

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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 this section.

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First aid measures

#### Description of necessary first aid measures

Eye contact

: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 30 minutes, keeping eyelids open. Get medical attention.

Inhalation

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: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that mists are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

«Skin contact

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: Wash skin thoroughly with soap and water or use recognized skin cleanser. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 15 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

### Section 4. First aid measures

Ingestion

: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

#### Most important symptoms/effects, acute and delayed

#### \*Potential acute health effects

Eye contact

: Causes serious eye irritation.

Inhalation

: Can cause central nervous system (CNS) depression. May cause drowsiness and

dizziness.

Skin contact

: Defatting to the skin. May cause skin dryness and irritation.

Ingestion

: Can cause central nervous system (CNS) depression.

#### Over-exposure signs/symptoms

Eye contact

: Adverse symptoms may include the following:

pain or irritation

watering redness

Inhalation

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: Adverse symptoms may include the following:

nausea or vomiting

headache

drowsiness/fatigue dizziness/vertigo unconsciousness reduced fetal weight increase in fetal deaths skeletal malformations

Skin contact

: Adverse symptoms may include the following:

irritation dryness cracking

reduced fetal weight increase in fetal deaths skeletal malformations

Ingestion

: Adverse symptoms may include the following:

reduced fetal weight increase in fetal deaths skeletal malformations

#### Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician

: Treat symptomatically. Contact poison treatment specialist immediately if large

quantities have been ingested or inhaled.

Specific treatments

: No specific treatment.

**Protection of first-aiders** 

: No action shall be taken involving any personal risk or without suitable training. If it is suspected that mists 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.

See toxicological information (Section 11)

# Section 5. Fire-fighting measures

#### **Extinguishing media**

Suitable extinguishing

media

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

**Unsuitable extinguishing** 

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: Do not use water jet.

Specific hazards arising from the chemical

: Highly flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous thermal decomposition products

: Decomposition products may include the following materials: carbon dioxide carbon monoxide

Special protective actions for fire-fighters

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

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.

### Section 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".

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). Water polluting material. May be harmful to the environment if released in large quantities.

#### Methods and materials for containment and cleaning up

**⊗Small spill** 

: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill

: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. 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). 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.

### Section 6. Accidental release measures

### Section 7. Handling and storage

#### Precautions for safe handling

#### **Protective measures**

: Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

# Advice on general occupational hygiene

: 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. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

# Conditions for safe storage, including any incompatibilities

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: Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. 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.

# Section 8. Exposure controls/personal protection

#### **Control parameters**

#### Occupational exposure limits

Ingredient name	Exposure limits	. : :.d
Isopropyl alcohol	ACGIH TLV (United States, 4/2014). Notes: Refe	ers to Appendix A
	Carcinogens. ACGIH 2003 Adoption	* *
	STEL: 400 ppm 15 minutes.	•
·	TWA: 200 ppm 8 hours.	$\mathcal{L} = \frac{\mathbf{i} \mathbf{r}}{\mathbf{r}}$
	NIOSH REL (United States, 10/2013).	
	STEL: 1225 mg/m³ 15 minutes.	
ÿ .	STEL: 500 ppm 15 minutes.	
<u>.</u>	TWA: 980 mg/m³ 10 hours.	-
	TWA: 400 ppm 10 hours.	
	OSHA PEL (United States, 2/2013).	
. <u>5</u>	TWA: 980 mg/m³ 8 hours.	
	TWA: 400 ppm 8 hours.	
ester	Manufacturer (United States).	
\$ 14 E	TWA: 10 mg/m³	
Organic acid	ACGIH TLV (United States, 4/2014).	ias see
	TWA: 5 mg/m³ 8 hours.	

# Appropriate engineering controls

: 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. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

# Section 8. Exposure controls/personal protection

# Environmental exposure controls

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: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

#### Individual protection measures

'Hygiene measures

: 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. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin protection

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Hand protection

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Body protection** 

: 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. When there is a risk of ignition from static electricity, wear antistatic protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

AgOther skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** 

: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. 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.

# Section 9. Physical and chemical properties

#### <u>Appearance</u>

Physical state : Liquid.

Color : Colorless.

Odor : Alcohol-like.

Odor threshold : Not available.

pH : Not available.

Melting point : Not available.

Boiling point : 80°C (176°F)

Flash point : Closed cup: 12°C (53.6°F)

Evaporation rate : Not available.

Elammability (solid, gas) : Not available.

Éower and upper explosive : Not available.

(flammable) limits

Vapor pressure : Not available.
Vapor density : >1 [Air = 1]
Relative density : 0.7998

# Section 9. Physical and chemical properties

Solubility

: Easily soluble in the following materials: cold water.

VOC .

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: 764.9 a/l

Partition coefficient: n-

octanol/water

: Not available.

Auto-ignition temperature

Decomposition temperature

: 399°C (750.2°F) : Not available.

Viscosity

: Not available.

## Section 10. Stability and reactivity

Reactivity

: No specific test data related to reactivity available for this product or its ingredients.

Chemical stability

: The product is stable.

Possibility of hazardous

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

reactions

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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. Do not

Incompatibility with various

allow vapor to accumulate in low or confined areas.

substances

: Reactive or incompatible with the following materials: oxidizing materials, reducing

materials, metals, acids and alkalis.

Hazardous decomposition

: Under normal conditions of storage and use, hazardous decomposition products should

not be produced.

products Other Hazardous

decomposition products

: carbon oxides (CO, CO<sub>2</sub>)

Hazardous polymerization

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

# Section 11. Toxicological information

Routes of entry

: Eye contact. Inhalation. Ingestion.

#### **Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
Isopropyl alcohol	LD50 Dermal	Rabbit	6290 mg/kg	- ;
	LD50 Oral	Rat	4.7 g/kg	-
ester	LD50 Dermal	Rabbit	>5000 mg/kg	[-
1	LD50 Oral	Rat	6400 mg/kg	-
Organic acid	LD50 Dermal	Rabbit	>7940 mg/kg	<b> -</b>
4. Š	LD50 Oral	Rabbit	>11000 mg/kg	-
es de la companya de	LD50 Oral	Rat	5050 mg/kg	<b> -</b>
10 to	LD50 Oral	Rat	>11000 mg/kg	-
Ester.	LD50 Oral	Guinea pig	12900 mg/kg	-
	LD50 Oral	Mouse	15000 mg/kg	<b>-</b>
<b>1</b>	LD50 Oral	Rat	7392 mg/kg	-
j	LD50 Oral	Rat	7392 mg/kg	-

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Isopropyl alcohol	Eyes - Moderate irritant	Rabbit	-	24 hours 100 milligrams	-
	Eyes - Moderate irritant	Rabbit	-	10 milligrams	-
	Eyes - Severe irritant	Rabbit	-	100 milligrams	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-
ester	Eyes - Moderate irritant	Rabbit	-	0.1 Mililiters	-
Organic acid	Eyes - Mild irritant	Rabbit	-	10 milligrams	-
• • • • • • • • • • • • • • • • • • •	Eyes - Moderate irritant	Rabbit	-	24 hours 20	-

# Section 11. Toxicological information

Skin - Mild irritant Rabbit - milligrams - 0.25 Grams -

#### **Sensitization**

Not available.

#### **Mutagenicity**

Not available.

#### Carcinogenicity

No applicable toxicity data

#### Additional information:

#### Classification

4	Product/ingredient name	OSHA	IARC	NTP
•	Isopropyl alcohol	-	3	-
	Ester.	-	3	-

Reproductive toxicity

Product/ingredient name	Maternal toxicity	Fertility	Development toxin	Species	Dose	Exposure
dsopropyl alcohol	Negative	Positive	Positive	Rat	Oral: 1000 mg/ kg	-
\$ \$	Positive	Negative	Positive	Rat - Female	Oral: 1242 mg/ kg Continuous Fixed dose	24 hours per day
Ester.	-	Positive	-	Rat - Female	Oral: 2000 mg/ kg	3 weeks During Pregnancy; 7 days per week
	-	Positive	-	Rat - Female	Oral: 1000 mg/ kg	3 weeks During Pregnancy; 7 days per week

### **Teratogenicity**

Product/ingredient name	Result	Species	Dose	Exposure
Ester.	Positive - Oral	Rat - Female	400 mg/kg	17 days During Pregnancy

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
Isopropyl alcohol	Category 3	Not applicable.	Narcotic effects

#### Specific target organ toxicity (repeated exposure)

Not available.

#### **Aspiration hazard**

Not available.

Information on the likely routes of exposure

: Routes of entry anticipated: Oral, Inhalation.

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### Section 11. Toxicological information

#### Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : Can cause central nervous system (CNS) depression. May cause drowsiness and

dizziness.

Skin contact : Defatting to the skin. May cause skin dryness and irritation.

Ingestion : Can cause central nervous system (CNS) depression.

#### Symptoms related to the physical, chemical and toxicological characteristics

: Adverse symptoms may include the following: Eye contact

> pain or irritation watering redness

Inhalation : Adverse symptoms may include the following:

nausea or vomiting

headache

drowsiness/fatigue dizziness/vertigo unconsciousness reduced fetal weight increase in fetal deaths skeletal malformations

Skin contact : Adverse symptoms may include the following:

> irritation dryness cracking

reduced fetal weight increase in fetal deaths skeletal malformations

: Adverse symptoms may include the following: Ingestion

> reduced fetal weight increase in fetal deaths skeletal malformations

#### Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate

: Not available.

effects

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Potential delayed effects

: Not available.

Long term exposure

Potential immediate

: Not available.

effects

Potential delayed effects

: Not available.

Potential chronic health effects

General : Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or

dermatitis.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards. **Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : May damage fertility.

#### **Numerical measures of toxicity**

Acute toxicity estimates

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# Section 11. Toxicological information

Route	ATE value
Oral	5162.1 mg/kg

# Section 12. Ecological information

#### **Toxicity**

Product/ingredient name	Result	Species	Exposure
Isopropyl alcohol	Acute LC50 1400000 to 1950000 μg/l	Crustaceans - Crangon crangon	48 hours
<b>}</b>	Marine water		• -
	Acute LC50 4200 mg/l Fresh water	Fish - Rasbora heteromorpha	96 hours
ester	Acute LC50 30.9 mg/l	Fish	96 hours
Organic acid	Acute LC50 97000 µg/l Fresh water	Fish - Pimephales promelas -	96 hours
		Juvenile (Fledgling, Hatchling,	
		Weanling)	,
Ester.	Acute LC50 >0.78 mg/l	Algae	96 hours
har sair	Acute LC50 660 to 850 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
<b>G</b>	Acute LC50 >0.78 mg/l	Fish	96 hours
	Acute LC50 >0.78 mg/l	Fish	96 hours
i d	Acute LC50 >0.78 mg/l	Fish	96 hours

#### Persistence and degradability

Not available.

#### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
Isopropyl alcohol	0.05	-	low
ester	0.49	-	low
Organic acid	0.093	3.162	low
Ester.	8.94	27	low

#### Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

Other adverse effects

: No known significant effects or critical hazards.

# Section 13. Disposal considerations

### Disposal methods

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

# Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	UN	IMDG	IATA
UN number	UN1219	UN1219	UN1219	UN1219	UN1219	UN1219
UN proper shipping name	Isopropanol solution	Isopropanol	Isopropanol	Isopropanol	Isopropanol	Isopropanol
Transport hazard class(es)	3	3	3	3	3	3
Packing group	11	II	II	II	II	II and
Environmental hazards	No.	No.	No.	No.	No.	No.

Additional information -DOT Classification

ERG# 129

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

# Section 15. Regulatory information

U.S. Federal regulations

: TSCA 5(a)2 proposed significant new use rule (SNUR): No products were found.

TSCA 5(a)2 final significant new use rule (SNUR): No products were found.

TSCA 12(b) one-time export notification: No products were found. TSCA 12(b) annual export notification: No products were found.

: All components are listed or exempted.

**United States inventory** (TSCA 8b)

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 311/312

Classification : Fire hazard

> Immediate (acute) health hazard Delayed (chronic) health hazard

**SARA 313** 

1	Product name	CAS number	%
Form R - Reporting requirements	Isopropyl alcohol	67-63-0	80-100
Supplier notification	Isopropyl alcohol	67-63-0	80-100

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

#### California Prop. 65

# Section 15. Regulatory information

**WARNING:** This product contains less than 1% of a chemical known to the State of California to cause birth defects or other reproductive harm.

#### Canada

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

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

Canada inventory : All components are listed or exempted.

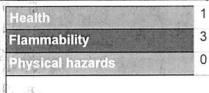
### International lists

### National inventory

Australia : All components are listed or exempted. China : All components are listed or exempted. : All components are listed or exempted. Europe : All components are listed or exempted. Japan : All components are listed or exempted. New Zealand **Philippines** : All components are listed or exempted. : All components are listed or exempted. Republic of Korea Taiwan : All components are listed or exempted.

### Section 16. Other information

#### Hazardous Material Information System (U.S.A.)



#### Procedure used to derive the classification

Classification	Justification	
Flam. Liq. 2, H225 Eye Irrit. 2A, H319 Repr. 1B, H360 (Fertility) STOT SE 3, H336 Aquatic Acute 3, H402 Aquatic Chronic 3, H412	On basis of test data Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method	1 A 100

#### **History**

Date of issue/Date of

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revision

Date of previous issue

: May 14 2015.

Version

Prepared by

: 2: Regulatory Affairs Department

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### Section 16. Other information

#### Key to abbreviations

: ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships.

1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

**UN = United Nations** 

 ${\mathbb F}$  Indicates information that has changed from previously issued version.

#### 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.

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