



**Disposal Statement:**

- Dispose of contents and container to appropriate waste site or reclaimer in accordance with local and national regulations

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredient	CAS #	concentration %
Non-hazardous		90-99
4-Nonyl phenol, branched ethoxlated	127087-87-0	1-5
Sodium dimethyl benzene Sulfonate	1300-72-7	1-5

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**4. FIRST AID MEASURES**

**Ingestion:**

Immediately rinse mouth with water. If swallowed do not induce vomiting. Give water to drink. Never give anything by mouth to an unconscious person. Seek immediate medical aid.

**Eye Contact:**

Immediately flush eyes with large amounts of water for at least 15 minutes while holding eyelids open. Transport to the nearest medical facility for additional treatment. Do not rub eyes or keep eyes closed

**Skin Contact:**

Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available.

**Inhalation:**

Remove the effected person out to a ventilated area. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

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**5. FIRE FIGHTING MEASURE**

**Extinguishing Media:**

Use dry chemical powder, foam, polymer foam, and water spray or fog type extinguishers. Water may be ineffective on fire. However, water spray may be used to extinguish fires and to absorb heat. Keep containers cool and protect exposed material. If a leak or spill has not ignited, water spray may be used to flush spills away from exposures.

**Hazards from combustion products:**

This product is not combustible. However, following evaporation of aqueous component, residual material can burn if ignited. While burning, it will emit toxic fumes including carbon monoxide and carbon dioxide.

**Precautions for fire fighters and special protective equipment:**

Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion as well as structural fire fighter's uniform.

**Hazachem code:**

None Assigned.

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**6. ACCIDENTAL RELEASE MEASURES**

**Emergency Precautions:**

Personnel involved in the clean up should wear full protective clothing. Evacuate all unnecessary personnel. Increase ventilation. Avoid walking through spilled product as it may slippery. Stop leak if safe to do so. Do not let product reach drain or waterways; advise the Environmental Protection Authority or your local Waste Management. Use clean, non-sparking tools and equipment.

**Methods and Materials for Containment and Clean Up:**

Soak up spilled product using absorbent, non-combustible material such as sand or soil. Avoid using sawdust or cellulose. When saturated, collect material into suitable, labelled, dry, sealable containers and hold for safe disposal. Once pick-up is complete, flush spill site with plenty of water to eliminate any residue. Hold contaminated water for treatment/disposal.

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**7. HANDLING AND STORAGE**

**Handling:**

Wash thoroughly after handling. Use only in a well ventilated area. Avoid contact with eyes, skin and clothing. Empty containers retain product and residue (liquid or vapour), and can be dangerous. Keep container tightly

closed. Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Do not dispose of material to sewers or waterways.

**Storage:**

Store in cool, dry, well-ventilated area away from incompatible substances. Keep containers closed at all times, check regularly for leak

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Exposure Standards:

The Occupational Safety and Health Service, NZ Department of Labour have set no Tolerable Exposure Limit (TEL) Workplace Exposure Standards (WES) for this substance.

### Biological limit values:

None established

### Engineering Controls:

The use of local exhaust ventilation is recommended to control process emissions near the source.  
Laboratory samples should be handled in a fume hood. Provide mechanical ventilation of confined spaces.  
Use explosion proof ventilation equipment

### Personal Protective equipment:

#### Respiratory Protection:

Where concentration in air may exceed the limits described in the National Exposure Standards, it is recommended to use a half face filter mask to protect from overexposure by inhalation. A type "A" filter material is considered suitable for this product.

#### Eye Protection:

Always use safety glasses or a face shield when handling this product.

#### Skin/Body Protection:

Always wear long sleeves and long trousers or coveralls, enclosed footwear or safety boots and chemical resistant gloves when manufacturing this product.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance:</b>	Clear pink
<b>Physical State:</b>	Liquid
<b>Odour:</b>	Lemon
<b>pH:</b>	7/+ 0.5
<b>Solubility:</b>	soluble in water
<b>Vapour Density:</b>	Not available
<b>Boiling point:</b>	>100 deg
<b>Freezing Point:</b>	degree
<b>Ignition Point:</b>	Not available
<b>Flash Point:</b>	Not available
<b>Specific Gravity:</b>	1.00
<b>Vapour pressure:</b>	Not available
<b>% Volatilities</b>	

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## 10. STABILITY AND REACTIVITY

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<b>Chemical Stability:</b>	Stable at room temperature and pressure
<b>Conditions to avoid:</b>	Avoid excessive heat, direct sunlight, moisture, high temperatures
<b>Incompatible Materials:</b>	Incompatible with oxidizing agents, acidic agents, including acidic clays and sources of ignition
<b>Hazardous decomposition:</b>	When involved in a fire, this product will generate carbon monoxide
<b>Hazardous reactions:</b>	Oxidizing agents, mineral acids, halogenated organic compounds.

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## 11. TOXICOLOGICAL INFORMATION

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No adverse health effects expected if the product is handled in accordance with the safety data sheet.

Symptoms or effects that may arise if the product is mishandled and the overexposure occurs are:

### Acute Effects

#### Ingestion:

Small amounts of liquid aspirated into lungs during ingestion, or from vomiting. Ingestion of large amounts of this product will result in headaches, nausea, dizziness and tracheal burning.

#### Eye Contact:

This product is irritating and pain followed by swelling to the conjunctiva.

**Skin Contact:**

This product is irritating to skin.

**Inhalation:**

Irritating to respiratory tract. Exposure to high concentrations over an extended period of time may result in muscle weakness, tingling in hands and feet, blurred vision, headaches, nausea, loss of appetite, hallucinations and possible loss of consciousness.

**12. ECOLOGICAL INFORMATION**

**Persistence/ degradability:** the substance expected to be aerobically readily biodegradable  
**Mobility:** No data available for this product. Avoid contaminating waterways

**13. DISPOSAL CONSIDERATIONS**

**Disposal Methods:**

Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national and local authorities.

**14. TRANSPORT INFORMATION**

**Road and Rail Transport:**

Not classified as Dangerous Goods by the criteria of New Zealand Dangerous Goods Code for transport by road and rail

**Marine Transport:**

Not classified as Dangerous Goods by the criteria of international Maritime Dangerous Goods Code for transport by sea.

**Air Transport:**

Not classified as Dangerous Goods by the criteria of international Air Association Dangerous Goods Regulations for transport by air

**15. REGULATORY INFORMATION**

**HSNO Approval No:** HSR002530  
**Group Standard:** Cleaning products (subsidiary hazard) Group Standard 2006  
**HSNO Classification:** 6.1D, 6.3A, 6.4A, 9.3C

**16. OTHER INFORMATION**

**New Zealand National Poison Information Centre:** 0800 764 766  
**New Zealand Emergency Services:** 111  
**Advance International Cleaning Systems (NZ) Limited:** +64 9 525 3792

Every endeavour has been made to ensure that the information contained in this publication is reliable and offered in good faith. It is meant to describe the safety requirements of our products and should not be construed as guaranteeing specific properties. Customers are encouraged to conduct their own tests as end user suitability of the product for particular uses is beyond our control. The information is not intended as an inducement to bargain and no warranty expressed or implied is made as to its accuracy, reliability or completeness. Advance International Cleaning Systems (NZ) Limited accepts no liability for loss, injury or damage arising from reliance upon the information contained in this data sheet except in conjunction with the proper use of the product to which it refers. Due care should be taken that the use and disposal of this product is in compliance with appropriate Local Councils regulations.

**Ganesh Mudaliar MSc (Honours)**



**Disposal Statement:**

- Dispose of contents and container to appropriate waste site or reclaimer in accordance with local and national regulations

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredient	CAS #	concentration %
Non-hazardous		90-99
4-Nonyl phenol, branched		
Ethoxylated	127087-87-0	1-5
Sodium dimethyl benzene		
Sulfonates	1300-72-7	1-5

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**4. FIRST AID MEASURES**

**Ingestion:**

Immediately rinse mouth with water. If swallowed do not induce vomiting. Give water to drink. Never give anything by mouth to an unconscious person. Seek immediate medical aid.

**Eye Contact:**

Immediately flush eyes with large amounts of water for at least 15 minutes while holding eyelids open. Transport to the nearest medical facility for additional treatment. Do not rub eyes or keep eyes closed

**Skin Contact:**

Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available.

**Inhalation:**

Remove the effected person out to a ventilated area. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

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**5. FIRE FIGHTING MEASURE**

**Extinguishing Media:**

Use dry chemical powder, foam, polymer foam, and water spray or fog type extinguishers. Water may be ineffective on fire. However, water spray may be used to extinguish fires and to absorb heat. Keep containers cool and protect exposed material. If a leak or spill has not ignited, water spray may be used to flush spills away from exposures.

**Hazards from combustion products:**

This product is not combustible. However, following evaporation of aqueous component, residual material can burn if ignited. While burning, it will emit toxic fumes including carbon monoxide and carbon dioxide.

**Precautions for fire fighters and special protective equipment:**

Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion as well as structural fire fighter's uniform.

**Hazachem code:**

None Assigned.

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**6. ACCIDENTAL RELEASE MEASURES**

**Emergency Precautions:**

Personnel involved in the clean up should wear full protective clothing. Evacuate all unnecessary personnel. Increase ventilation. Avoid walking through spilled product as it may slippery. Stop leak if safe to do so. Do not let product reach drain or waterways; advise the Environmental Protection Authority or your local Waste Management. Use clean, non-sparking tools and equipment.

**Methods and Materials for Containment and Clean Up:**

Soak up spilled product using absorbent, non-combustible material such as sand or soil. Avoid using sawdust or cellulose. When saturated, collect material into suitable, labelled, dry, sealable containers and hold for safe disposal. Once pick-up is complete, flush spill site with plenty of water to eliminate any residue. Hold contaminated water for treatment/disposal.

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**7. HANDLING AND STORAGE**

**Handling:**

Wash thoroughly after handling. Use only in a well ventilated area. Avoid contact with eyes, skin and clothing. Empty containers retain product and residue (liquid or vapour), and can be dangerous. Keep container tightly closed. Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Do not dispose of material to sewers or waterways.

**Storage:**

Store in cool, dry, well-ventilated area away from incompatible substances. Keep containers closed at all times, check regularly for leak



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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Exposure Standards:

The Occupational Safety and Health Service, NZ Department of Labour have set no Tolerable Exposure Limit (TEL) Workplace Exposure Standards (WES) for this substance.

### Biological limit values:

None established

### Engineering Controls:

The use of local exhaust ventilation is recommended to control process emissions near the source.  
Laboratory samples should be handled in a fume hood. Provide mechanical ventilation of confined spaces.  
Use explosion proof ventilation equipment

### Personal Protective equipment:

#### Respiratory Protection:

Where concentration in air may exceed the limits described in the National Exposure Standards, it is recommended to use a half face filter mask to protect from overexposure by inhalation. A type "A" filter material is considered suitable for this product.

#### Eye Protection:

Always use safety glasses or a face shield when handling this product.

#### Skin/Body Protection:

Always wear long sleeves and long trousers or coveralls, enclosed footwear or safety boots and chemical resistant gloves when manufacturing this product.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance:</b>	Clear pink
<b>Physical State:</b>	Liquid
<b>Odour:</b>	Lemon
<b>pH:</b>	7/+ 0.5
<b>Solubility:</b>	soluble in water
<b>Vapour Density:</b>	Not available
<b>Boiling point:</b>	>100 deg
<b>Freezing Point:</b>	degree
<b>Ignition Point:</b>	Not available
<b>Flash Point:</b>	Not available
<b>Specific Gravity:</b>	1.00
<b>Vapour pressure:</b>	Not available
<b>% Volatilities</b>	

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## 10. STABILITY AND REACTIVITY

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<b>Chemical Stability:</b>	Stable at room temperature and pressure
<b>Conditions to avoid:</b>	Avoid excessive heat, direct sunlight, moisture, high temperatures
<b>Incompatible Materials:</b>	Incompatible with oxidizing agents, acidic agents, including acidic clays and sources of ignition
<b>Hazardous decomposition:</b>	When involved in a fire, this product will generate carbon monoxide
<b>Hazardous reactions:</b>	Oxidizing agents, mineral acids, halogenated organic compounds.

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## 11. TOXICOLOGICAL INFORMATION

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No adverse health effects expected if the product is handled in accordance with the safety data sheet.

Symptoms or effects that may arise if the product is mishandled and the overexposure occurs are:

### Acute Effects

#### Ingestion:

Small amounts of liquid aspirated into lungs during ingestion, or from vomiting. Ingestion of large amounts of this product will result in headaches, nausea, dizziness and tracheal burning.

#### Eye Contact:

This product is irritating and pain followed by swelling to the conjunctiva.

**Skin Contact:**

This product is irritating to skin.

**Inhalation:**

Irritating to respiratory tract. Exposure to high concentrations over an extended period of time may result in muscle weakness, tingling in hands and feet, blurred vision, headaches, nausea, loss of appetite, hallucinations and possible loss of consciousness.

**12. ECOLOGICAL INFORMATION**

**Persistence/ degradability:** the substance expected to be aerobically readily biodegradable  
**Mobility:** No data available for this product. Avoid contaminating waterways

**13. DISPOSAL CONSIDERATIONS**

**Disposal Methods:**

Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national and local authorities.

**14. TRANSPORT INFORMATION**

**Road and Rail Transport:**

Not classified as Dangerous Goods by the criteria of New Zealand Dangerous Goods Code for transport by road and rail

**Marine Transport:**

Not classified as Dangerous Goods by the criteria of international Maritime Dangerous Goods Code for transport by sea.

**Air Transport:**

Not classified as Dangerous Goods by the criteria of international Air Association Dangerous Goods Regulations for transport by air

**15. REGULATORY INFORMATION**

**HSNO Approval No:** HSR002530  
**Group Standard:** Cleaning products (subsidiary hazard) Group Standard 2006  
**HSNO Classification:** 6.1D, 6.3A, 6.4A, 9.3C

**16. OTHER INFORMATION**

**New Zealand National Poison Information Centre:** 0800 764 766  
**New Zealand Emergency Services:** 111  
**Advance International Cleaning Systems (NZ) Limited:** +64 9 525 3792

Every endeavour has been made to ensure that the information contained in this publication is reliable and offered in good faith. It is meant to describe the safety requirements of our products and should not be construed as guaranteeing specific properties. Customers are encouraged to conduct their own tests as end user suitability of the product for particular uses is beyond our control. The information is not intended as an inducement to bargain and no warranty expressed or implied is made as to its accuracy, reliability or completeness. Advance International Cleaning Systems (NZ) Limited accepts no liability for loss, injury or damage arising from reliance upon the information contained in this data sheet except in conjunction with the proper use of the product to which it refers. Due care should be taken that the use and disposal of this product is in compliance with appropriate Local Councils regulations.

**Ganesh Mudaliar MSc (Honours)**

**Product Name** **Cream Scourer**
**1. PRODUCT AND COMPANY IDENTIFICATION**

<b>Recommended use:</b>	<b>Cream cleansing for all washable surfaces</b>
<b>Company Details:</b>	Advance International Cleaning System
<b>Address:</b>	663 Great South Road, Penrose Auckland. New Zealand
<b>Telephone Number:</b>	+64 9 525 3792
<b>Emergency Telephone Number:</b>	National Poison Information Centre 0800 764 766
<b>Date of Preparation:</b>	14/03/2019

**2. HAZARD IDENTIFICATION**
**GHS Classification and Categories**

Skin Irritation	category 2
Skin sensitization	Category 1
Serious eye damage	Category 1

**HSNO Hazard Classification:** 6.3A, 6.5B, 8.3A


<b>Code:</b>	<b>Hazard Statements:</b>
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious irritation
H318	Causes serious eye damage

**Prevention Statements:**

- Keep out of reach of children
- Read label before use
- Avoid breathing fume/vapours
- Wear protective gloves and eye/face protection
- Contaminated work clothing should not be allowed out of the workplace

**Response Statements:**

- If medical advice is needed keep container or label at hand
- If on skin; wash with plenty of soap and water
- If skin irritation occurs; get medical advice/attention
- Take off contaminated clothing and wash before re use
- If in eyes; rinse cautiously with water for several minutes, remove contact lenses, if present and easy to do so. Continue rinsing
- If eye irritation persists seek medical advice
- Immediately call POISON CENTRE or doctor /physician

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Ingredient</b>	<b>CAS #</b>	<b>concentration %</b>
Non-hazardous		40-60
Alkyl benzene sulphuric acid	68584-22-5	2-7

Oleic acid	112-80-1	1-4
Coconut diethanolamie	8051-30-7	3-7
Calcium carbonate	471-34-1	30-40
Sodium tripolyphosphate	7758-29-4	3-7
Polymer (nonylphenol+isothiazoline) (9014-90-8 + 26172-55-4)		1-4

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#### 4. FIRST AID MEASURES

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**Ingestion:**

Immediately rinse mouth with water. If swallowed do not induce vomiting. Give water to drink. Never give anything by mouth to an unconscious person. Seek immediate medical aid immediately.

**Eye Contact:**

Immediately flush eyes with large amounts of water for at least 15 minutes while holding eyelids open. Transport to the nearest medical facility for additional treatment. Do not rub eyes or keep eyes closed

**Skin Contact:**

Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available.

**Inhalation:**

Remove the effected person out to a ventilated area. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

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#### 5. FIRE FIGHTING MEASURE

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**Extinguishing Media:**

Use dry chemical powder, foam, polymer foam, and water spray or fog type extinguishers. Water may be ineffective on fire. However, water spray may be used to extinguish fires and to absorb heat. Keep containers cool and protect exposed material. If a leak or spill has not ignited, water spray may be used to flush spills away from exposures.

**Hazards from combustion products:**

This product is not combustible. However, following evaporation of aqueous component, residual material can burn if ignited. While burning, it will emit toxic fumes including carbon monoxide and carbon dioxide.

**Precautions for fire fighters and special protective equipment:**

Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion as well as structural fire fighter's uniform.

**Hazachem code:**

None Assigned.

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#### 6. ACCIDENTAL RELEASE MEASURES

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**Emergency Precautions:**

Personnel involved in the clean up should wear full protective clothing. Evacuate all unnecessary personnel. Increase ventilation. Avoid walking through spilled product as it may slippery. Stop leak if safe to do so. Do not let product reach drain or waterways; advise the Environmental Protection Authority or your local Waste Management. Use clean, non-sparking tools and equipment.

**Methods and Materials for Containment and Clean Up:**

Soak up spilled product using absorbent, non-combustible material such as sand or soil. Avoid using sawdust or cellulose. When saturated, collect material into suitable, labelled, dry, sealable containers and hold for safe disposal. Once pick-up is complete, flush spill site with plenty of water to eliminate any residue. Hold contaminated water for treatment/disposal.

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#### 7. HANDLING AND STORAGE

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**Handling:**

Wash thoroughly after handling. Use only in a well ventilated area. Avoid contact with eyes, skin and clothing. Empty containers retain product and residue (liquid or vapour), and can be dangerous. Keep container tightly closed. Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Do not dispose of material to sewers or waterways.

**Storage:**

Store in cool, dry, well-ventilated area away from incompatible substances. Keep containers closed at all times, check regularly for leak.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Standards:

The Occupational Safety and Health Service, NZ Department of Labour have set no Tolerable Exposure Limit (TEL) Workplace Exposure Standards (WES) for this substance.

### Biological limit values:

None established

### Engineering Controls:

The use of local exhaust ventilation is recommended to control process emissions near the source.  
 Laboratory samples should be handled in a fume hood. Provide mechanical ventilation of confined spaces.  
 Use explosion proof ventilation equipment

## PERSONAL PROTECTIVE EQUIPMENT

### Respiratory Protection:

Where concentration in air may exceed the limits described in the National Exposure Standards, it is recommended to use a half face filter mask to protect from overexposure by inhalation. A type "A" filter material is considered suitable for this product.

### Eye Protection:

Always use safety glasses or a face shield when handling this product.

### Skin/Body Protection:

Always wear long sleeves and long trousers or coveralls, enclosed footwear or safety boots and chemical resistant gloves when manufacturing this product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	white thick creamy liquid
<b>Physical State:</b>	Liquid
<b>Odour:</b>	Lemon
<b>pH:</b>	10.5+/- 0.5
<b>Solubility:</b>	soluble in water
<b>Vapour Density:</b>	Not available
<b>Boiling point:</b>	>100 deg
<b>Freezing Point:</b>	degree
<b>Ignition Point:</b>	Not available
<b>Flash Point:</b>	Not available
<b>Specific Gravity:</b>	1.25
<b>Vapour pressure:</b>	Not available
<b>% Volatilities</b>	

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	Stable at room temperature and pressure
<b>Conditions to avoid:</b>	Avoid excessive heat, direct sunlight, moisture, high temperatures
<b>Incompatible Materials:</b>	Incompatible with oxidizing agents, acidic agents, including acidic clays and sources of ignition
<b>Hazardous decomposition:</b>	When involved in a fire, this product will generate carbon monoxide
<b>Hazardous reactions:</b>	Oxidizing agents, mineral acids, halogenated organic compounds.

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with the safety data sheet.

Symptoms or effects that may arise if the product is mishandled and the overexposure occurs are:

### Acute Effects

#### Ingestion:

Small amounts of liquid aspirated into lungs during ingestion, or from vomiting. Ingestion of large amounts of this product will result in headaches, nausea, dizziness and tracheal burning.

#### Eye Contact:

This product is irritating and pain followed by swelling to the conjunctiva.

### Skin Contact

This product is irritating to skin.

### Inhalation

Irritating to respiratory tract. Exposure to high concentrations over an extended period of time may result in muscle weakness, tingling in hands and feet, blurred vision, headaches, nausea, loss of appetite, hallucinations and possible loss of consciousness.

## 12. ECOLOGICAL INFORMATION

**Persistence/ degradability:** the substance is aerobically readily biodegradable  
**Mobility:** No data available for this product. Avoid contaminating waterways

## 13. DISPOSAL CONSIDERATIONS

### Disposal Methods:

Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national and local authorities.

## 14. TRANSPORT INFORMATION

### Road and Rail Transport:

Not classified as Dangerous Goods by the criteria of New Zealand Dangerous Goods Code for transport by road and rail

### Marine Transport:

Not classified as Dangerous Goods by the criteria of international Maritime Dangerous Goods Code for transport by sea.

### Air Transport:

Not classified as Dangerous Goods by the criteria of international Air Association Dangerous Goods Regulations for transport by air

## 15. REGULATORY INFORMATION

**HSNO Approval No:** HSR002526  
**Group Standard:** Cleaning Products (corrosive hazard) Group Standard 2006  
**HSNO Classification:** 6.3A, 6.5B, 8.3A

## 16. OTHER INFORMATION

**New Zealand National Poison Information Centre:** 0800 764 766  
**New Zealand Emergency Services:** 111  
**Advance International Cleaning Systems (NZ) Limited:** +64 9 525 3792

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**Ganesh Mudaliar MSc (Honours)**

## SAFETY DATA SHEET

**Product Name** **STRIKE FORCE**

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Recommended use:** Heavy duty and general-purpose cleaner degreaser  
**(MPI Approved C31- All products except dairy)**

**Company Details:** Advance International Cleaning System  
**Address:** 663 Great South Road, Penrose  
Auckland. New Zealand

**Telephone Number:** +64 9 525 3792  
**Emergency Telephone Number:** National Poison Information Centre 0800 764 766  
**Date of Preparation:** 14/03/2019

(All food contact surfaces must be rinsed with portable water after use)

### 2. HAZARD IDENTIFICATION

**GHS Classification and Categories**

Skin corrosion/irritation category 2  
Serious eye damage/eye irritation Category 1

**HSNO Hazard Classification:** 6.3A, 8.3A



**WARNING**

<b>Code</b>	<b>Hazard Statement:</b>
H315	Causes skin irritation
H318	Causes serious eye irritation

**Prevention Statements:**

- Keep out of reach of children.
- Read label before use
- Wear protective gloves and eye/face protection
- Wash hand thoroughly after handling

**Response Statements:**

- If medical advice is needed keep container or label at hand.
- IF IN EYES: Rinse cautiously with water for several minutes. /remove contact lenses, if present and easy to do. Continue rinsing
- Immediately call a POISON CENTER or doctor/physician
- If on skin; wash with plenty of soap and water.
- If skin irritation occurs: Get medical advice/attention
- Take off contaminated clothing and wash before re-use.

**Disposal Statements:**

- Disposal should be through qualified contractor.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS #	Concentration %
Non hazardous		>75
Phosphate	7758-29-4	1-5



Glucoside	68515-73-1	1-5
Benzenesulphonic acid	68584-22-5	1-5
2 bytoxy –1 ethanol	111-76-2	5-10
Ethanolamine		1-5

#### 4. FIRST AID MEASURES

##### Ingestion

Immediately rinse mouth with water. If swallowed do not induce vomiting. Give water to drink. Never give anything by mouth to an unconscious person. Seek immediate medical aid immediately.

##### Eye Contact

Immediately flush eyes with large amounts of water for at least 15 minutes while holding eyelids open. Transport to the nearest medical facility for additional treatment. Do not rub eyes or keep eyes closed

##### Skin Contact

Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available.

##### Inhalation

Remove the effected person out to a ventilated area. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

#### 5. FIRE FIGHTING MEASURE

##### Extinguishing Media:

Use dry chemical powder, foam, polymer foam, and water spray or fog type extinguishers. Water may be ineffective on fire. However, water spray may be used to extinguish fires and to absorb heat. Keep containers cool and protect exposed material. If a leak or spill has not ignited, water spray may be used to flush spills away from exposures.

##### Hazards from combustion products:

This product is not combustible. However, following evaporation of aqueous component, residual material can burn if ignited. While burning, it will emit toxic fumes including carbon monoxide and carbon dioxide.

##### Precautions for fire fighters and special protective equipment:

Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion as well as structural fire fighter's uniform.

##### Hazachem code:

None Assigned.

#### 6. ACCIDENTAL RELEASE MEASURES

##### Emergency Precautions:

Personnel involved in the clean up should wear full protective clothing. Evacuate all unnecessary personnel. Increase ventilation. Avoid walking through spilled product as it may slippery. Stop leak if safe to do so. Do not let product reach drain or waterways; advise the Environmental Protection Authority or your local Waste Management. Use clean, non-sparking tools and equipment.

##### Methods and Materials for Containment and Clean Up:

Soak up spilled product using absorbent, non-combustible material such as sand or soil. Avoid using sawdust or cellulose. When saturated, collect material into suitable, labelled, dry, sealable containers and hold for safe disposal. Once pick-up is complete, flush spill site with plenty of water to eliminate any residue. Hold contaminated water for treatment/disposal.

#### 7. HANDLING AND STORAGE

##### Handling:

Wash thoroughly after handling. Use only in a well ventilated area. Avoid contact with eyes, skin and clothing. Empty containers retain product and residue (liquid or vapour), and can be dangerous. Keep container tightly closed. Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Do not dispose of material to sewers or waterways.

##### Storage:

Store in cool, dry, well-ventilated area away from incompatible substances. Keep containers closed at all times, check regularly for leak.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Standards:

The Occupational Safety and Health Service, NZ Department of Labour have set no Tolerable Exposure Limit (TEL) Workplace Exposure Standards (WES) for this substance.

### Biological limit values:

None established.

### Engineering Controls:

The use of local exhaust ventilation is recommended to control process emissions near the source. Laboratory samples should be handled in a fume hood. Provide mechanical ventilation of confined spaces. Use explosion proof ventilation equipment

### PERSONAL PROTECTIVE EQUIPMENT:

#### Respiratory Protection:

Where concentration in air may exceed the limits described in the National Exposure Standards, it is recommended to use a half face filter mask to protect from overexposure by inhalation. A type "A" filter material is considered suitable for this product.

#### Eye Protection:

Always use safety glasses or a face shield when handling this product.

#### Skin/Body Protection:

Always wear long sleeves and long trousers or coveralls, enclosed footwear or safety boots and chemical resistant gloves when manufacturing this product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear pink
<b>Physical State:</b>	Liquid
<b>Odour:</b>	Odourless
<b>pH:</b>	10.5 +/- 0.5
<b>Solubility:</b>	soluble in water
<b>Vapour Density:</b>	Not available
<b>Boiling point:</b>	>100 deg
<b>Freezing Point:</b>	degree
<b>Ignition Point:</b>	Not available
<b>Flash Point:</b>	Not available
<b>Specific Gravity:</b>	1.00
<b>Vapour pressure:</b>	Not available
<b>% Volatilities</b>	

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	Stable at room temperature and pressure
<b>Conditions to avoid:</b>	Avoid excessive heat, direct sunlight, moisture, high temperatures
<b>Incompatible Materials:</b>	Incompatible with oxidizing agents, acidic agents, including acidic clays and sources of ignition
<b>Hazardous decomposition:</b>	When involved in a fire, this product will generate carbon monoxide
<b>Hazardous reactions:</b>	Oxidizing agents, mineral acids, halogenated organic compounds.

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with the safety data sheet.

Symptoms or effects that may arise if the product is mishandled and the overexposure occurs are:

### Acute Effects:

#### Ingestion:

Small amounts of liquid aspirated into lungs during ingestion, or from vomiting. Ingestion of large amounts of this product will result in headaches, nausea, dizziness and tracheal burning.

#### Eye Contact:

This product is irritating and pain followed by swelling to the conjunctiva.

#### Skin Contact:

This product is irritating to skin.

**Inhalation:**

Irritating to respiratory tract. Exposure to high concentrations over an extended period of time may result in muscle weakness, tingling in hands and feet, blurred vision, headaches, nausea, loss of appetite, hallucinations and possible loss of consciousness.

**12. ECOLOGICAL INFORMATION**

**Persistence/ degradability:** the substance is aerobically readily biodegradable  
**Mobility:** No data available for this product. Avoid contaminating waterways

**13. DISPOSAL CONSIDERATIONS**

**Disposal Methods:**  
 Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national and local authorities.

**14. TRANSPORT INFORMATION**

**Road and Rail Transport:**  
 Not classified as Dangerous Goods by the criteria of New Zealand Dangerous Goods Code for transport by road and rail  
**Marine Transport:**  
 Not classified as Dangerous Goods by the criteria of international Maritime Dangerous Goods Code for transport by sea.  
**Air Transport:**  
 Not classified as Dangerous Goods by the criteria of international Air Association Dangerous Goods Regulations for transport by air

**15. REGULATORY INFORMATION**

**HSNO Approval No:** HSR002526  
**Group Standard:** Cleaning Products (corrosive) Group Standard 2006  
**HSNO Classification:** 6.3A, 8.3A

**16. OTHER INFORMATION**

**New Zealand National Poison Information Centre:** 0800 764 766  
**New Zealand Emergency Services:** 111  
**Advance International Cleaning Systems (NZ) Limited:** +64 9 525 3792

Every endeavour has been made to ensure that the information contained in this publication is reliable and offered in good faith. It is meant to describe the safety requirements of our products and should not be construed as guaranteeing specific properties. Customers are encouraged to conduct their own tests as end user suitability of the product for particular uses is beyond our control. The information is not intended as an inducement to bargain and no warranty expressed or implied is made as to its accuracy, reliability or completeness. Advance International Cleaning Systems (NZ) Limited accepts no liability for loss, injury or damage arising from reliance upon the information contained in this data sheet except in conjunction with the proper use of the product to which it refers. Due care should be taken that the use and disposal of this product is in compliance with appropriate Local Councils regulations.

Ganesh Mudaliar(MSc Honours)

Product Name **Window Cleaner**

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Recommended use:** Glass and Surface Cleaner  
**Company Details:** Advance International Cleaning System  
**Address:** 663 Great South Road, Penrose  
 Auckland. New Zealand  
**Telephone Number:** +64 9 525 3792  
**Emergency Telephone Number:** National Poison Information Centre 0800 764 766  
**Date of Preparation:** 14/03/2019

**2. HAZARD IDENTIFICATION**
**GHS Classification and Categories**

Flammable liquid Category 4  
 Acute toxicity Category 4  
 Skin irritation Category 2  
 Serious eye irritation Category 2A  
 Aquatic toxicity (chronic) Category 3

**HSNO Hazard Classification:**

3.1D, 6.1D, 6.3A, 6.4A, and 9.1C


**WARNING**

Code:	Hazard Statement
H227	combustible liquid
H302	Harmful if swallowed
H315	Causes skin irritation
H319	Causes eye irritation
H412	Harmful to aquatic life with long lasting effects

**Prevention Statement:**

- Read label before use
- Keep out of reach of children
- Do not eat, drink or smoke when using this product
- Wear eye/face protection
- Keep away from ignition sources

**Response Statement**

- If swallowed call a POISON CENTER or doctor/physician
- In case of fire use water for extinction
- If on skin Wash with plenty of soap and water
- If skin irritation occur: Get medical advice/ attention
- Take off contaminated clothing and wash before re-use
- Wash hand thoroughly after handling

- If in eyes, rinse cautiously with water for several minutes, remove contact lenses, if present and easy to do so, continue rinsing
- If eye irritation persists: Get medical advice/ attention
- Do not release to the environment

**Storage Statement**

- Store in well ventilated place

**Disposal Statement**

- Disposal should be through suitably qualified contractor

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredient	CAS #	Concentration %
Non hazardous		60-80
Ethanol	64-17-5	5-15
2 butoxy, ethanol	111-76-2	5-15
Ammonia	7664-41-7	1-3

**4. FIRST AID MEASURES**

**Ingestion:**

Immediately rinse mouth with water. If swallowed do not induce vomiting. Give water to drink. Never give anything by mouth to an unconscious person. Seek immediate medical aid immediately.

**Eye Contact:**

Immediately flush eyes with large amounts of water for at least 15 minutes while holding eyelids open. Transport to the nearest medical facility for additional treatment. Do not rub eyes or keep eyes closed

**Skin Contact:**

Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available.

**Inhalation:**

Remove the effected person out to a ventilated area. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

**5. FIRE FIGHTING MEASURE**

**Extinguishing Media:**

Use dry chemical powder, foam, polymer foam, and water spray or fog type extinguishers. Water may be ineffective on fire. However, water spray may be used to extinguish fires and to absorb heat. Keep containers cool and protect exposed material. If a leak or spill has not ignited, water spray may be used to flush spills away from exposures.

**Hazards from combustion products:**

This product is flammable liquid medium hazards and flammable gas. However, following evaporation of aqueous component, residual material can burn if ignited. While burning, it will emit toxic fumes including carbon monoxide and carbon dioxide.

**Precautions for fire fighters and special protective equipment:**

Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion as well as structural fire fighter's uniform.

**Hazachem code:**

None Assigned.

**6. ACCIDENTAL RELEASE MEASURES**

**Emergency Precautions:**

Personnel involved in the clean up should wear full protective clothing. Evacuate all unnecessary personnel. Increase ventilation. Avoid walking through spilled product as it may be slippery. Stop leak if safe to do so. Do not let product reach drain or waterways; advise the Environmental Protection Authority or your local Waste Management. Use clean, non-sparking tools and equipment.

**Methods and Materials for Containment and Clean Up:**

Soak up spilled product using absorbent, non-combustible material such as sand or soil. Avoid using sawdust or cellulose. When saturated, collect material into suitable, labelled, dry, sealable containers and hold for

safe disposal. Once pick-up is complete, flush spill site with plenty of water to eliminate any residue. Hold contaminated water for treatment/disposal.

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## 7. HANDLING AND STORAGE

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### Handling:

Wash thoroughly after handling. Use only in a well ventilated area. Avoid contact with eyes, skin and clothing. Empty containers retain product and residue (liquid or vapour), and can be dangerous. Keep container tightly closed. Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Do not dispose of material to sewers or waterways.

### Storage:

Store in cool, dry, well-ventilated area away from incompatible substances. Keep containers closed at all times, check regularly for leak.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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### Exposure Standards:

The Occupational Safety and Health Service, NZ Department of Labour have set no Tolerable Exposure Limit (TEL) Workplace Exposure Standards (WES) for this substance.

### Biological limit values:

None established.

### Engineering Controls:

The use of local exhaust ventilation is recommended to control process emissions near the source. Laboratory samples should be handled in a fume hood. Provide mechanical ventilation of confined spaces. Use explosion proof ventilation equipment

### PERSONAL PROTECTIVE EQUIPMENT:

#### Respiratory Protection:

Where concentration in air may exceed the limits described in the National Exposure Standards, it is recommended to use a half face filter mask to protect from overexposure by inhalation. A type "A" filter material is considered suitable for this product.

#### Eye Protection:

Always use safety glasses or a face shield when handling this product.

#### Skin/Body Protection:

Always wear long sleeves and long trousers or coveralls, enclosed footwear or safety boots and chemical resistant gloves when manufacturing this product.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance:</b>	Clear blue
<b>Physical State:</b>	Liquid
<b>Odour:</b>	Odour of ammonia
<b>pH:</b>	9.5 +/- 0.5
<b>Solubility:</b>	soluble in water
<b>Vapour Density:</b>	Not available
<b>Boiling point:</b>	>100 deg
<b>Freezing Point:</b>	degree
<b>Ignition Point:</b>	Not available
<b>Flash Point:</b>	Not available
<b>Specific Gravity:</b>	0.98
<b>Vapour pressure:</b>	Not available
<b>% Volatilities</b>	

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## 10. STABILITY AND REACTIVITY

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<b>Chemical Stability:</b>	Stable at room temperature and pressure
<b>Conditions to avoid:</b>	Avoid excessive heat, direct sunlight, moisture, high temperatures
<b>Incompatible Materials:</b>	Incompatible with oxidizing agents, acidic agents, including acidic clays and sources of ignition

**Hazardous decomposition:** When involved in a fire, this product will generate carbon monoxide  
**Hazardous reactions:** Oxidizing agents, mineral acids, halogenated organic compounds.

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## 11. TOXICOLOGICAL INFORMATION

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No adverse health effects expected if the product is handled in accordance with the safety data sheet. Symptoms or effects that may arise if the product is mishandled and the overexposure occurs are:

### Acute Effects

#### Ingestion:

Small amounts of liquid aspirated into lungs during ingestion, or from vomiting. Ingestion of large amounts of this product will result in headaches, nausea, dizziness and tracheal burning.

#### Eye Contact:

This product is irritating and pain followed by swelling to the conjunctiva.

#### Skin Contact:

This product is irritating to skin.

#### Inhalation:

Irritating to respiratory tract. Exposure to high concentrations over an extended period of time may result in muscle weakness, tingling in hands and feet, blurred vision, headaches, nausea, loss of appetite, hallucinations and possible loss of consciousness.

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## 12. ECOLOGICAL INFORMATION

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**Persistence/ degradability:** the substance is aerobically readily biodegradable

**Mobility:** No data available for this product. Avoid contaminating waterways

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## 13. DISPOSAL CONSIDERATIONS

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### Disposal Methods:

Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national and local authorities.

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## 14. TRANSPORT INFORMATION

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### Road and Rail Transport:

This product is not classified as Dangerous Goods Flammable Liquid

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## 15. REGULATORY INFORMATION

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**HSNO Approval No:** HSR002530

**Group Standard:** Cleaning Products (subsidiary) Group Standard 2006

**HSNO Classification:** 3.1D, 6.1D, 6.3B, 6.4A, and 9.1C

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## 16. OTHER INFORMATION

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**New Zealand National Poison Information Centre:** 0800 764 766

**New Zealand Emergency Services:** 111

**Advance International Cleaning Systems (NZ) Limited:** +64 9 525 3792

Every endeavour has been made to ensure that the information contained in this publication is reliable and offered in good faith. It is meant to describe the safety requirements of our products and should not be construed as guaranteeing specific properties. Customers are encouraged to conduct their own tests as end user suitability of the product for particular uses is beyond our control. The information is not intended as an inducement to bargain and no warranty expressed or implied is made as to its accuracy, reliability or completeness. Advance International Cleaning Systems (NZ) Limited accepts no liability for loss, injury or damage arising from reliance upon the information contained in this data sheet except in conjunction with the proper use of the product to which it refers. Due care should be taken that the use and disposal of this product is in compliance with appropriate Local Councils regulations.

**Prepared By : Ganesh Mudaliar MSc (Honours)**

**Product Name                      Instant Hand and Surface Sanitiser**

**1. PRODUCT AND COMPANY IDENTIFICATION**

<b>Recommended use:</b>	<b>Hand and surface Sanitiser</b>
<b>Company Details:</b>	Advance International Cleaning System
<b>Address:</b>	663 Great South Road, Penrose Auckland. New Zealand
<b>Telephone Number:</b>	+64 9 525 3792
<b>Emergency Telephone Number:</b>	National Poison Information Centre 0800 764 766
<b>Date of Preparation:</b>	08/04/2020

**2. HAZARD IDENTIFICATION**

GHS classification of the substance/mixture

Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand. Classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2012 Transport of Dangerous Goods on Land.

2.1 GHS Classification

Flammable Liquids (Category B)

Eye irritation (Category A)

**HAZNO HAZARD CLASSIFICATION 3.1B, 6.4A**

GHS Label elements, including precautionary statements

Pictogram



**DANGER**

Hazard statement(s)

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

Precautionary statement(s)

Prevention

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P264 Wash skin thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response



P303 + P361 + P353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction. Storage

P403 + P235 Store in a well-ventilated place. Keep cool.

Disposal

P501 Dispose of contents/container to an approved waste disposal plant. 2.3 Other hazards None

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS #	Concentration %
Ethanol	64-17-5	65 - 70%
Non Hazardous		30%

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### 4. FIRST AID MEASURES

#### Ingestion:

Immediately rinse mouth with water. If swallowed do not induce vomiting. Give water to drink. Seek immediate medical attention.

#### Eye Contact:

Immediately flush eyes with large amounts of water for at least 15 minutes while holding eyelids open. Transport to the nearest medical facility for additional treatment.

#### Skin Contact:

Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available.

#### Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give Oxygen. Get medical help.

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### 5. FIRE FIGHTING MEASURES

#### Extinguishing Media:

Use dry chemical powder, foam, polymer foam, water spray or fog type extinguishers. Water may be ineffective on fire. However water spray may be used to extinguish fires, and to absorb heat, keep containers cool and protect exposed material. If a leak or spill has not ignited, water spray may be used to flush spills away from exposures.

#### Hazards from combustion products:

Flammable liquid. Vapour may form explosive mixtures with air above the flash point of 48 deg C. Avoid exposure to sources of ignition or open flame. Avoid using in a confined space or generating mists or vapours. May accumulate static charge by flow or agitation. Vapour is heavier than air and may collect in drains or other low areas. Electrically ground all drums, transfer vessel, hoses and piping.

#### Precautions for fire fighters and special protective equipment:

Alert Fire Brigade and tell them location and nature of hazard.

- Wear breathing apparatus plus protective gloves.
- Prevent, by any means available, spillage from entering drains or water courses

Use fire-fighting procedures suitable for surrounding area.

Use water delivered as a fine spray to control the fire and cool adjacent area.

DO NOT approach containers suspected to be hot.

If safe to do so, remove containers from path of fire.

Fire fighters to wear self contained breathing apparatus if risk of exposure to vapour or products of combustion as well as structural fire fighters uniform.

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### 6. ACCIDENTAL RELEASE MEASURES

#### Emergency Precautions:

Personnel involved in the clean should wear full protective clothing. Evacuate all unnecessary personnel. Increase ventilation. Avoid walking through spilled product as it may be slippery. Stop leak if safe to do so. Do not let product reach drain or waterways; advise the Environmental Protection Authority or your local Waste Management. Use clean, non-sparking tools and equipment.

**Methods and Materials for Containment and Clean Up:**

Soak up spilled product using absorbent non-combustible material such as sand or soil. Avoid using sawdust or cellulose. When saturated, collect material into suitable, labelled, dry, sealable containers and hold for safe disposal. Once pick-up is complete, flush spill site with plenty of water to eliminate any residue. Hold contaminated water for treatment/disposal.

**7. HANDLING AND STORAGE**

**Handling:**

Wash thoroughly after handling. Use only in a well ventilated area. Avoid contact with eyes, skin and clothing. Empty containers retain product and residue, (liquid or vapour), and can be dangerous. Keep container tightly closed. Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Do not dispose of material to sewers or waterways.

**Storage:**

Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a tightly closed container. Keep from contact with oxidizing materials. Store in cool, dry, well-ventilated area away from incompatible substances.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

8.1 Occupational exposure limit values

Substance	CAS	VALUE	Exposure Limit	Units	Notes
Ethanol	64-17-5	WES-TWA	1000 1880	ppm mg/m <sup>3</sup>	New Zealand Workplace Exposure Standards for Atmospheric Contaminants
AQUA	7732-18-5		nil		

8.2 Biological Limit Values

Appropriate Engineering Controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment Eye/face protection Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards. Skin protection Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Full contact Material: butyl-rubber Minimum layer thickness: 0.3 mm Break through time: 480 min Splash contact Material: Nitrile rubber Minimum layer thickness: 0.2 mm Break through time: 38 min Body Protection Impervious clothing. Flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Respiratory protection where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination or respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance:</b>	Colourless Liquid
<b>Physical State:</b>	Liquid
<b>Odour:</b>	Solvent odour
<b>pH:</b>	7.5-8.5
<b>Solubility:</b>	soluble in water
<b>Vapour Density:</b>	No Available Data
<b>Boiling point:</b>	78 deg
<b>Freezing Point:</b>	-143.99°C.
<b>Ignition Point:</b>	392 degree
<b>Flash Point:</b>	14 degree (closed cup)
<b>Specific Gravity:</b>	0.7974g/cm <sup>3</sup> .
<b>Vapour pressure:</b>	59.5 hPa at 20.0°C.
<b>% Volatilities</b>	70%

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## 10. STABILITY AND REACTIVITY

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<b>Chemical Stability:</b>	Stable at room temperature and pressure.
<b>Conditions to avoid:</b>	Avoid excessive heat, direct sunlight, moisture, high temperatures.
<b>Incompatible Materials:</b>	Incompatible with oxidizing agents, acidic agents, including acidic clays, and sources of ignition.
<b>Hazardous decomposition:</b>	When involved in a fire, this product will generate carbon monoxide
<b>Hazardous reactions:</b>	Oxidizing agents, mineral acids, halogenated organic compounds.



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**15. REGULATORY INFORMATION**

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**HSNO Approval No:** HSR002596

**Group Standard:** Ethyl Alcohol- Laboratory Chemicals and Reagents Kits Group Standard 2006

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## 16. OTHER INFORMATION

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<b>New Zealand National Poison Information Centre:</b>	0800 764 766
<b>New Zealand Emergency Services:</b>	111
<b>Super Shine Products Limited:</b>	+64 9 276 1591

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