

# SAFETY DATA SHEET

## HILLYARD QUICK & CLEAN GERMICIDAL FOAMING CLEANER

### HIL0103954

Version 1.0

Revision Date 06/02/2015

Print Date 06/03/2015

#### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Material name : Hillyard Quick & Clean Germicidal Foaming Cleaner

EPA ID Number: 33176-61658

Material number : A00251

#### Manufacturer or supplier's details

Company : Hillyard Industries

Address : 302 North 4<sup>th</sup> Street  
Joseph, MO 64502

Telephone : 816-233-1321 ext 8285

#### Emergency telephone numbers

For SDS Information : 816-233-1321 ext 8285

For a Medical Emergency :

For a Transportation Emergency : CHEMTREC 800-424-9300

#### SECTION 2. HAZARDS IDENTIFICATION

##### Emergency Overview

Appearance	Aerosol containing a liquefied gas
Colour	white
Odour	pleasant

##### GHS Classification

Gases under pressure : Liquefied gas  
Skin corrosion : Category 1A  
Serious eye damage : Category 1  
Carcinogenicity : Category 2

##### GHS Label element

Hazard pictograms :



Signal word : Danger

Hazard statements : H280 Contains gas under pressure; may explode if heated.  
H314 Causes severe skin burns and eye damage.  
H351 Suspected of causing cancer.

Precautionary statements : **Prevention:**  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P260 Do not breathe dust or mist.

# SAFETY DATA SHEET

## HILLYARD QUICK & CLEAN GERMICIDAL FOAMING CLEANER

### HIL0103954

Version 1.0

Revision Date 06/02/2015

Print Date 06/03/2015

P264 Wash skin thoroughly after handling.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P281 Use personal protective equipment as required.

#### Response:

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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

P304 + P340 + P310 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Immediately call a POISON CENTER or doctor/ physician.

P305 + P351 + P338 + P310 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.

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

P363 Wash contaminated clothing before reuse.

#### Storage:

P405 Store locked up.

P410 + P403 Protect from sunlight. Store in a well-ventilated place.

#### Disposal:

P501 Dispose of contents/container in accordance with local regulation.

### Potential Health Effects

#### Carcinogenicity:

<b>IARC</b>	Group 2B: Possibly carcinogenic to humans Amides, coco, N,N-bis(hydroxyethyl)	68603-42-9
<b>ACGIH</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.	
<b>OSHA</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.	
<b>NTP</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.	

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Hazardous components

Chemical Name	CAS-No.	Concentration [%]
2-(2-butoxyethoxy)ethanol	112-34-5	>= 5 - < 10
butane	106-97-8	>= 1 - < 5
Amides, coco, N,N-bis(hydroxyethyl)	68603-42-9	>= 0.1 - < 1

**SAFETY DATA SHEET**  
**HILLYARD QUICK & CLEAN GERMICIDAL FOAMING CLEANER**  
**HIL0103954**

Version 1.0

Revision Date 06/02/2015

Print Date 06/03/2015

---

**SECTION 4. FIRST AID MEASURES**

- General advice : Move out of dangerous area.  
Consult a physician.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.
- If inhaled : If unconscious place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.  
Wash off immediately with plenty of water for at least 15 minutes.  
If on clothes, remove clothes.
- Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.  
If on skin, rinse well with water.  
If on clothes, remove clothes.
- In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.  
Continue rinsing eyes during transport to hospital.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.  
Immediately flush eyes for at least 15 minutes. Get medical attention.
- Small amounts splashed into eyes can cause irreversible tissue damage and blindness.  
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
Continue rinsing eyes during transport to hospital.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.  
DO NOT induce vomiting unless directed to do so by a physician or poison control center.  
Take victim immediately to hospital.
- Clean mouth with water and drink afterwards plenty of water.  
Keep respiratory tract clear.  
Do NOT induce vomiting.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.

# SAFETY DATA SHEET

## HILLYARD QUICK & CLEAN GERMICIDAL FOAMING CLEANER

### HIL0103954

Version 1.0

Revision Date 06/02/2015

Print Date 06/03/2015

If symptoms persist, call a physician.  
Take victim immediately to hospital.

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#### SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray jet  
Carbon dioxide (CO<sub>2</sub>)  
Alcohol-resistant foam  
Dry chemical
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : Carbon dioxide (CO<sub>2</sub>)  
Carbon monoxide  
Smoke
- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

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#### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
- Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Sweep up or vacuum up spillage and collect in suitable container for disposal.
- Neutralise with acid.

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#### SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Avoid exposure - obtain special instructions before use.

**SAFETY DATA SHEET**  
**HILLYARD QUICK & CLEAN GERMICIDAL FOAMING CLEANER**  
**HIL0103954**

Version 1.0

Revision Date 06/02/2015

Print Date 06/03/2015

Avoid contact with skin and eyes.  
 For personal protection see section 8.  
 Do not breathe vapours or spray mist.  
 Take precautionary measures against static discharges.  
 Provide sufficient air exchange and/or exhaust in work rooms.  
 Dispose of rinse water in accordance with local and national regulations.  
 Always replace cap after use.

Do not breathe vapours/dust.  
 Avoid contact with skin and eyes.  
 For personal protection see section 8.  
 Smoking, eating and drinking should be prohibited in the application area.  
 Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage : BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects.  
 No smoking.  
 Keep in a dry, cool and well-ventilated place.  
 Observe label precautions.  
 Electrical installations / working materials must comply with the technological safety standards.

BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects.  
 Keep container tightly closed in a dry and well-ventilated place.  
 Observe label precautions.  
 Electrical installations / working materials must comply with the technological safety standards.

Materials to avoid : Oxidizing agents

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Components with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
butane	106-97-8	TWA	800 ppm 1,900 mg/m3	NIOSH REL
		TWA	800 ppm 1,900 mg/m3	OSHA P0

**Personal protective equipment**

Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates

# SAFETY DATA SHEET

## HILLYARD QUICK & CLEAN GERMICIDAL FOAMING CLEANER

### HIL0103954

Version 1.0

Revision Date 06/02/2015

Print Date 06/03/2015

that exposures are within recommended exposure guidelines.

Hand protection	
Remarks	: The suitability for a specific workplace should be discussed with the producers of the protective gloves.
Eye protection	: Tightly fitting safety goggles Wear face-shield and protective suit for abnormal processing problems. Ensure that eyewash stations and safety showers are close to the workstation location.
	Eye wash bottle with pure water Tightly fitting safety goggles Wear face-shield and protective suit for abnormal processing problems.
Skin and body protection	: impervious clothing Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Hygiene measures	: When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Aerosol containing a liquefied gas
Colour	: white
Odour	: pleasant
Odour Threshold	: no data available
pH	: 12.5 - 13.0
Melting point/freezing point	: no data available
Boiling point	: not determined
Flash point	: no data available
Evaporation rate	: not determined
Flammability (solid, gas)	: Not classified as a flammability hazard
Upper explosion limit	: no data available
Lower explosion limit	: no data available
Vapour pressure	: not determined
Relative vapour density	: no data available
Density	: 1 g/cm <sup>3</sup>
Solubility(ies)	

# SAFETY DATA SHEET

## HILLYARD QUICK & CLEAN GERMICIDAL FOAMING CLEANER

### HIL0103954

Version 1.0

Revision Date 06/02/2015

Print Date 06/03/2015

Water solubility : soluble  
Solubility in other solvents : not determined  
  
Partition coefficient: n-octanol/water : no data available  
Auto-ignition temperature : not determined  
Thermal decomposition : no data available  
  
Viscosity  
Viscosity, kinematic : no data available

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#### SECTION 10. STABILITY AND REACTIVITY

Reactivity : Stable  
No decomposition if stored and applied as directed.  
  
Chemical stability : Stable under normal conditions.  
No decomposition if stored and applied as directed.  
  
Possibility of hazardous reactions : No decomposition if stored and applied as directed.  
Conditions to avoid : Extremes of temperature and direct sunlight.  
Heat, flames and sparks.  
  
no data available  
  
Incompatible materials : Oxidizing agents  
  
Hazardous decomposition products : Carbon oxides

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#### SECTION 11. TOXICOLOGICAL INFORMATION

##### Acute toxicity

###### Product:

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

###### Components:

###### butane:

Acute inhalation toxicity : LC50 mouse: 1,237 mg/l  
Exposure time: 2 h

LC50 rat: 1,355 mg/l

##### Skin corrosion/irritation

**SAFETY DATA SHEET**  
**HILLYARD QUICK & CLEAN GERMICIDAL FOAMING CLEANER**  
**HIL0103954**

Version 1.0

Revision Date 06/02/2015

Print Date 06/03/2015

---

**Product:**

Remarks: Extremely corrosive and destructive to tissue.

**Serious eye damage/eye irritation**

**Product:**

Remarks: May cause irreversible eye damage.

**Respiratory or skin sensitisation**

no data available

**Germ cell mutagenicity**

no data available

**Carcinogenicity**

no data available

**Reproductive toxicity**

no data available

**2-(2-butoxyethoxy)ethanol:**

**butane:**

**Amides, coco, N,N-bis(hydroxyethyl):**

**STOT - single exposure**

no data available

**STOT - repeated exposure**

no data available

**Aspiration toxicity**

no data available

**Further information**

**Product:**

Remarks: no data available

**Components:**

**Amides, coco, N,N-bis(hydroxyethyl):**

Remarks: no data available

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**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

no data available

**Persistence and degradability**

no data available

**Bioaccumulative potential**

**SAFETY DATA SHEET**  
**HILLYARD QUICK & CLEAN GERMICIDAL FOAMING CLEANER**  
**HIL0103954**

Version 1.0

Revision Date 06/02/2015

Print Date 06/03/2015

**Product:**

Partition coefficient: n- : Remarks: no data available  
octanol/water

**Components:**

**2-(2-butoxyethoxy)ethanol :**

Partition coefficient: n- : Pow: 1  
octanol/water

**butane :**

Partition coefficient: n- : Pow: 2.89  
octanol/water

**Amides, coco, N,N-bis(hydroxyethyl) :**

Partition coefficient: n- : Remarks: no data available  
octanol/water

**Mobility in soil**

no data available

**Other adverse effects**

no data available

**Product:**

Regulation 40 CFR Protection of Environment; Part 82 Protection of  
Stratospheric Ozone - CAA Section 602 Class I  
Substances

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

Additional ecological : no data available  
information

**Components:**

**Amides, coco, N,N-bis(hydroxyethyl) :**

Additional ecological : no data available  
information

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**SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal methods**

Waste from residues : Dispose of in accordance with local regulations.  
Do not contaminate ponds, waterways or ditches with  
chemical or used container.  
The product should not be allowed to enter drains, water  
courses or the soil.

Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with  
chemical or used container.  
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.

**SAFETY DATA SHEET**  
**HILLYARD QUICK & CLEAN GERMICIDAL FOAMING CLEANER**  
**HIL0103954**

Version 1.0

Revision Date 06/02/2015

Print Date 06/03/2015

Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

**SECTION 14. TRANSPORT INFORMATION**

Transportation Regulation: 49 CFR (USA):  
ORM-D, CONSUMER COMMODITY

Transportation Regulation: IMDG (Vessel):  
UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, - Limited quantity

Transportation Regulation: IATA (Cargo Air):  
UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, - Limited quantity

Transportation Regulation: IATA (Passenger Air):  
UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, - Limited quantity

Transportation Regulation: TDG (Canada):  
UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, - Limited quantity

**SECTION 15. REGULATORY INFORMATION**

This product is regulated under the United States Federal Insecticide, Fungicide and Rodenticide Act (FIFRA).

**Pesticide Labeling Information Required Under U.S. FIFRA Regulations**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

CAUTION  
Harmful if swallowed.

**EPCRA - Emergency Planning and Community Right-to-Know Act**

**CERCLA Reportable Quantity**

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
2,2'-iminodiethanol	111-42-2	100	*

\*: Calculated RQ exceeds reasonably attainable upper limit.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

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

**SARA 311/312 Hazards** : Sudden Release of Pressure Hazard  
Acute Health Hazard  
Chronic Health Hazard

# SAFETY DATA SHEET

## HILLYARD QUICK & CLEAN GERMICIDAL FOAMING CLEANER

### HIL0103954

Version 1.0

Revision Date 06/02/2015

Print Date 06/03/2015

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

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

**California Prop 65** WARNING! This product contains a chemical known to the State of California to cause cancer.

Amides, coco, N,N-bis(hydroxyethyl)	68603-42-9
biphenyl-2-ol	90-43-7
2,2'-iminodiethanol	111-42-2

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

<b>TSCA</b>	On TSCA Inventory
<b>DSL</b>	This product contains one or several components that are not on the Canadian DSL nor NDSL.
<b>AICS</b>	Not in compliance with the inventory
<b>NZIoC</b>	Not in compliance with the inventory
<b>PICCS</b>	Not in compliance with the inventory
<b>IECSC</b>	Not in compliance with the inventory

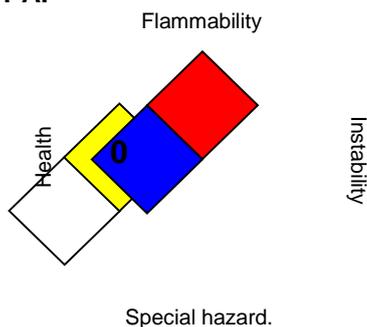
**Inventory Acronym and Validity Area Legend:**

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

## SECTION 16. OTHER INFORMATION

Further information

**NFPA:**



**HMIS III:**

<b>HEALTH</b>	<b>3*</b>
<b>FLAMMABILITY</b>	<b>0</b>
<b>PHYSICAL HAZARD</b>	<b>2</b>

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

OSHA GHS Label Information:

Hazard pictograms :



# SAFETY DATA SHEET

## HILLYARD QUICK & CLEAN GERMICIDAL FOAMING CLEANER

### HIL0103954

Version 1.0

Revision Date 06/02/2015

Print Date 06/03/2015

Signal word : **Danger:**  
Hazard statements : Contains gas under pressure; may explode if heated. Causes severe skin burns and eye damage. Suspected of causing cancer.  
Precautionary statements :  
**Prevention:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust or mist. Wash skin thoroughly after handling. Wear protective gloves/ protective clothing/ eye protection/ face protection. Use personal protective equipment as required.  
**Response:** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician. 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 exposed or concerned: Get medical advice/ attention. Wash contaminated clothing before reuse.  
**Storage:** Store locked up. Protect from sunlight. Store in a well-ventilated place.  
**Disposal:** Dispose of contents/container in accordance with local regulation.

Version:	1.0
Revision Date:	06/02/2015
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We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. Users should make their own investigations to determine the suitability and applicability of the information for their particular purposes. This SDS has been prepared by the Compliance Services organization supporting this manufacturer, supplier or distributor.