# HILLYARD The Cleaning Resource\*

# SAFETY DATA SHEET

# 1. Identification

Product identifier LEMON ODOR COUNTERACTANT

Other means of identification

SDS number 545N-25A
Product code HIL00186
Recommended use General Cleaner

**Recommended restrictions** For Labeled Use Only **Manufacturer/Importer/Supplier/Distributor information** 

Manufacturer

Company name HILLYARD INDUSTRIES
Address 302 North Fourth St.
St. Joseph, MO 64501

Contact person Regulatory Affairs

**Telephone number** (816) 233-1321 (Ext. 8285)

Fax (816) 383-8485

E-mail regulatoryaffairs@hillyard.com

**Emergency telephone #** (800) 424-9300

(Only in the event of chemical emergency involving a spill, leak, fire, exposure or accident

involving chemicals)

# 2. Hazard(s) identification

Physical hazards Flammable liquids Category 3

Health hazards Not classified.
Environmental hazards Not classified.
OSHA defined hazards Not classified.

Label elements



Signal word Warning

**Hazard statement** Flammable liquid and vapor.

Precautionary statement

Prevention Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly

closed. Ground/bond container and receiving equipment. Use explosion-proof

electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/eye protection/face protection.

Response If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

In case of fire: Use appropriate media to extinguish.

**Storage** Store in a well-ventilated place. Keep cool.

Disposal Buyer assumes all risk and liability associated with disposal of this product (original concentration

or dilution) in violation of applicable law in compliance with applicable federal, state and local requirements. CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer clean, dry

container for recycling or reconditioning.

Hazard(s) not otherwise classified (HNOC)

None known.

HIL00186 Version #: 03 Revision date: 09-09-2021 Issue date: 11-26-2014

# 3. Composition/information on ingredients

### **Mixtures**

Chemical name	Common name and synonyms	CAS number	%
Isopropanol		67-63-0	5 - < 10
C12-15 Alcohols Ethoxylated		68131-39-5	1 - < 3
Other components below reportab	le levels		90 - 100

### 4. First-aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical

attention if irritation develops and persists.

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if

present and easy to do. Get medical attention if irritation develops and persists.

IngestionRinse mouth. Get medical attention if symptoms occur.Most importantDirect contact with eyes may cause temporary irritation.

symptoms/effects, acute and delayed

Indication of immediate medical attention and special

medical attention and special treatment needed
General information

Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital.

Take off all contaminated clothing immediately. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

# 5. Fire-fighting measures

Suitable extinguishing media Unsuitable extinguishing media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

Specific methods

General fire hazards

Use standard firefighting procedures and consider the hazards of other involved materials.

Flammable liquid and vapor.

### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. This product is miscible in water.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

**Environmental precautions** 

ations Avoid discharge into drains, water courses or onto the ground.

Material name: LEMON ODOR COUNTERACTANT
HIL00186 Version #: 03 Revision date: 09-09-2021 Issue date: 11-26-2014

# 7. Handling and storage

### Precautions for safe handling

Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

# Conditions for safe storage. including any incompatibilities

Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

# 8. Exposure controls/personal protection

### Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.100
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Components	Type	, Value	
Isopropanol (CAS 67-63-0)	PEL	980 mg/m3	
		400 ppm	
US. ACGIH Threshold Limit Value	s		
Components	Туре	Value	
Isopropanol (CAS 67-63-0)	STEL	400 ppm	
	TWA	200 ppm	
US. NIOSH: Pocket Guide to Cher	nical Hazards		
Components	Туре	Value	
Isopropanol (CAS 67-63-0)	STEL	1225 mg/m3	
		500 ppm	
	TWA	980 mg/m3	
		400 ppm	

### **Biological limit values**

ACGIH Biological Exposu Components	re Indices Value	Determinant	Specimen	Sampling Time
Isopropanol (CAS 67-63-0)	40 mg/l	Acetone	Urine	*

<sup>\* -</sup> For sampling details, please see the source document.

# Appropriate engineering controls

Explosion-proof general and local exhaust ventilation. Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

# Individual protection measures, such as personal protective equipment

Eye/face protection	Avoid contact with eyes.	Where splashing of	concentrate is a concern	use protective glasses with
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side shield

Skin protection

Not normally needed. Use protective gloves when dealing with the concentrate. Hand protection

Other Wear appropriate chemical resistant clothing.

Not normally required with adequate ventilation. If engineering controls do not maintain airborne Respiratory protection

concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be

worn.

Thermal hazards None known.

General hygiene considerations

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work

clothing and protective equipment to remove contaminants.

SDS US

HIL00186 Version #: 03 Revision date: 09-09-2021 Issue date: 11-26-2014

# 9. Physical and chemical properties

Clear, yellow, liquid **Appearance** 

Liquid. **Physical state** Liquid. **Form** Color Yellow Odor Lemon odor **Odor threshold** Not available

6 - 7 pН

Melting point/freezing point Not applicable / Not available

> 200 °F (> 93.33 °C) Initial boiling point and boiling

range

Flash point 100.0 - 150.0 °F (37.8 - 65.6 °C) Setaflash

**Evaporation rate** < 1 Ethyl ether = 1 Flammability (solid, gas) Not applicable. Upper/lower flammability or explosive limits

Not available. Explosive limit - lower (%) Explosive limit - upper (%) Not available. Vapor pressure 17.9 mm Hg 0.7 Air =1 Vapor density 0.987 at 77°F Relative density

Solubility(ies)

100 % Complete Solubility (water) Not available **Partition coefficient** 

(n-octanol/water)

Not available **Auto-ignition temperature** Not available **Decomposition temperature** Not available **Viscosity** 

Other information

Density 8.22 lb/gal **Explosive properties** Not explosive. **Oxidizing properties** Not oxidizing. Percent volatile 97.5 - 98.5 % VOC 5.02 %

# 10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Material is stable under normal conditions. **Chemical stability** 

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the

flash point. Contact with incompatible materials.

Strong oxidizing agents. Chlorine. Isocyanates. Incompatible materials Hazardous decomposition

products

No hazardous decomposition products are known.

# 11. Toxicological information

# Information on likely routes of exposure

Inhalation Prolonged inhalation may be harmful.

No adverse effects due to skin contact are expected. Skin contact Eye contact Direct contact with eyes may cause temporary irritation.

Ingestion Expected to be a low ingestion hazard.

Material name: LEMON ODOR COUNTERACTANT HIL00186 Version #: 03 Revision date: 09-09-2021 Issue date: 11-26-2014 Symptoms related to the physical, chemical and toxicological characteristics

Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

Acute toxicity Not known.

Product Species Test Results

LEMON ODOR COUNTERACTANT

<u>Acute</u> Dermal

LD50 Rabbit 255400 mg/kg

Oral

LD50 Mouse 71910 mg/kg

 Rabbit
 100.6 g/kg

 Rat
 93.98 g/kg

 Species
 Test Results

Isopropanol (CAS 67-63-0)

Acute Dermal

Components

LD50 Rabbit 12800 mg/kg

Oral

LD50 Rat 4.7 g/kg

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye

irritation

Direct contact with eyes may cause temporary irritation.

Respiratory or skin sensitization

**Respiratory sensitization** Not a respiratory sensitizer.

**Skin sensitization** This product is not expected to cause skin sensitization.

**Germ cell mutagenicity**No data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

**Carcinogenicity** Not classifiable as to carcinogenicity to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

**Reproductive toxicity**This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity -

single exposure

Not classified.

Specific target organ toxicity -

repeated exposure

Not classified.

Aspiration hazard Prolonged inhalation may be harmful.

Chronic effects Prolonged inhalation may be harmful.

12. Ecological information

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the

possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Product Species Test Results

LEMON ODOR COUNTERACTANT

Aquatic

Acute

Crustacea EC50 Daphnia 27.3589, 48 hours estimated

Material name: LEMON ODOR COUNTERACTANT

HIL00186 Version #: 03 Revision date: 09-09-2021 Issue date: 11-26-2014 5 / 8

**Product Test Results Species** LC50 Fish 45.9479, 96 hours estimated Fish Components **Species Test Results** 

C12-15 Alcohols Ethoxylated (CAS 68131-39-5)

Aquatic Acute

Crustacea EC50 Water flea (Ceriodaphnia dubia) >= 0.37 - <= 0.43 mg/l, 48 hours Fish LC50 >= 0.96 - <= 1.4 mg/l, 96 hours

Rainbow trout, donaldson trout (Oncorhynchus mykiss)

Isopropanol (CAS 67-63-0)

Aquatic Acute

LC50 Western mosquitofish (Gambusia affinis) > 1400 mg/l, 96 hours Fish

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

0.05 Isopropanol

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Incinerate the

material under controlled conditions in an approved incinerator. Do not incinerate sealed containers. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose of

contents/container in accordance with local/regional/national/international regulations.

Dispose in accordance with all applicable regulations. Local disposal regulations

D001: Waste Flammable material with a flash point <140 F Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Waste from residues / unused

products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Since emptied containers may retain product residue, follow label warnings even after container is Contaminated packaging

emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal.

14. Transport information

Not regulated as dangerous goods.

IATA

UN1993 **UN number** 

**UN** proper shipping name Flammable liquid, n.o.s. (Isopropyl Alcohol) Transport hazard class(es)

3 Class Subsidiary risk

Flammable Label(s)

Packing group Ш **Environmental hazards** No. **ERG Code** 128

Other information

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Passenger and cargo

Allowed with restrictions.

aircraft

Cargo aircraft only

Allowed with restrictions.

**IMDG** 

**UN number** 

FLAMMABLE LIQUID, N.O.S. (Isopropyl Alcohol) **UN proper shipping name** 

Transport hazard class(es)

3 Class Subsidiary risk

Flammable Label(s)

Packing group

**Environmental hazards** 

Marine pollutant No. F-E, S-E **EmS** 

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Not established.

Transport in bulk according to

Annex II of MARPOL 73/78 and the IBC Code

IATA; IMDG



# 15. Regulatory information

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication US federal regulations

Standard, 29 CFR 1910.1200.

**Toxic Substances Control Act (TSCA)** One or more components of the mixture are not on the TSCA 8(b) inventory

or are designated "inactive".

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)** 

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous Yes

chemical

Classified hazard

categories

Flammable (gases, aerosols, liquids, or solids)

SARA 313 (TRI reporting)

Not regulated.

# Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act

Contains component(s) regulated under the Safe Drinking Water Act.

(SDWA)

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

Isopropanol (CAS 67-63-0) Low priority

Material name: LEMON ODOR COUNTERACTANT

# **US** state regulations

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd.

Isopropanol (CAS 67-63-0)

### **California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

# **International Inventories**

Country(s) or regionInventory nameOn inventory (yes/no)\*CanadaDomestic Substances List (DSL)YesCanadaNon-Domestic Substances List (NDSL)No

United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory Yes

# 16. Other information, including date of preparation or last revision

 Issue date
 11-26-2014

 Revision date
 09-09-2021

Version # 03

**HMIS® ratings** Health: 0

Flammability: 2 Physical hazard: 0

**Disclaimer** No representations or warranties, either express or implied, of merchantability, fitness for a

particular purpose, or of any nature are made with respect to the product(s) or information contained in this material safety data sheet. The information and recommendations contained in this Material Safety Data Sheet are supplied pursuant to 29 CFR 1910.1200 of the Occupational Safety and Health Standards Hazard Communication Rule. All information contained herein is presented in good faith and is believed to be appropriate and accurate. The buyer or user assumes all risks associated with the use, misuse or disposal of this product. The buyer or user is responsible to comply with all federal, state or local regulations concerning the use, misuse or

disposal of these products.

**Revision information** This document has undergone significant changes and should be reviewed in its entirety.

Material name: LEMON ODOR COUNTERACTANT

HIL00186 Version #: 03 Revision date: 09-09-2021 Issue date: 11-26-2014 8 / 8

<sup>\*</sup>A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).