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SECTION	1. IDENTIFICATION				
Product name		: Hillyard Clear	Hillyard Clean Assist® Antibacterial Soap		
Product code		: HIL0038806	HIL0038806		
	ufacturer or supplier's pany name of supplier		IDUSTRIES, INC.		
Addr	ess		302 North Fourth Street St. Joseph, MO 64501		
Tele	phone	: 1-816-233-13	1-816-233-1321 EXT 8285		
Eme	rgency telephone	: 1-800-424-93	1-800-424-9300		
Reco	ommended use of the o	chemical and restr	ictions on use		
Reco	ommended use	: Antibacterial	Soap		
Restrictions on use		consumers ar foreseeable u specifically de exempt from t While this ma contains value proper use of as well as un spills. This SE employees ar intended-use	onal care or cosmetic product that is safe for ad other users under normal and reasonably se. Cosmetics and consumer products, efined by regulations around the world, are the requirement of an SDS for the consumer. terial is not considered hazardous, this SDS able information critical to the safe handling and the product for industrial workplace conditions usual and unintended exposures such as large DS should be retained and available for ad other users of this product. For specific guidance, please refer to the information the package or instruction sheet.		

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification Eye irritation	: Category 2A
GHS Label element	
Hazard pictograms	
Signal Word	: Warning
Hazard Statements	: H319 Causes serious eye irritation.
Precautionary Statements	: Prevention:
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		P280 Wear eye Response: P305 + P351 + for several minu to do. Continue	n thoroughly after handling. protection/ face protection. P338 IF IN EYES: Rinse cautiously with water ites. Remove contact lenses, if present and easy rinsing. eye irritation persists: Get medical advice/

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous ingredients

Chemical Name	CAS-No.	Concentration (%)
Ethanolamine	141-43-5	>= 1 - < 5
4-chloro-3,5-dimethylphenol	88-04-0	>= 0.1 - < 1

SECTION 4. FIRST AID MEASURES

General advice	ac W	the case of accident or if you feel unwell, seek medical dvice immediately. /hen symptoms persist or in all cases of doubt seek medical dvice.
If inhaled		inhaled, remove to fresh air. et medical attention if symptoms occur.
In case of skin contact		ash with water and soap as a precaution. et medical attention if symptoms occur.
In case of eye contact	fo If	case of contact, immediately flush eyes with plenty of water r at least 15 minutes. easy to do, remove contact lens, if worn. et medical attention.
If swallowed	G	swallowed, DO NOT induce vomiting. et medical attention if symptoms occur. inse mouth thoroughly with water.
Most important symptoms and effects, both acute and delayed	: C	auses serious eye irritation.
Protection of first-aiders	ar	rst Aid responders should pay attention to self-protection, nd use the recommended personal protective equipment hen the potential for exposure exists.
Notes to physician	: Tı	reat symptomatically and supportively.

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SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Water spray Alcohol-resistant foam Dry chemical Carbon dioxide (CO2)
Unsuitable extinguishing media	:	None known.
Specific hazards during fire fighting	:	Exposure to combustion products may be a hazard to health.
Hazardous combustion prod- ucts	:	Carbon oxides Metal oxides Sulfur oxides Nitrogen oxides (NOx)
Specific extinguishing methods	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.
Special protective equipment for fire-fighters	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations.
Environmental precautions	:	Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g. by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up	:	Soak up with inert absorbent material. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to

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		Section	nine which regulations are applicable. ns 13 and 15 of this SDS provide information regarding n local or national requirements.
SECTIO	N 7. HANDLING AND S	TORAGE	
Teo	chnical measures		ngineering measures under EXPOSURE ROLS/PERSONAL PROTECTION section.
Loc	al/Total ventilation	: Use on	nly with adequate ventilation.
Advice on safe handling		Do not Do not Avoid p Handle practice	care to prevent spills, waste and minimize release to the
Cor	nditions for safe storage		in properly labeled containers. in accordance with the particular national regulations.
Ma	terials to avoid		t store with the following product types: oxidizing agents

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Ingredients	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Ethanolamine	141-43-5	TWA	3 ppm	ACGIH
		STEL	6 ppm	ACGIH
		TWA	3 ppm 8 mg/m3	NIOSH REL
		ST	6 ppm 15 mg/m3	NIOSH REL
		TWA	3 ppm 6 mg/m3	OSHA Z-1

Hazardous components without workplace control parameters

Ingredients	CAS-No.
4-chloro-3,5-dimethylphenol	88-04-0

Engineering measures : Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations. Dust formation may be relevant in the processing of this product. In addition to substance-specific OELs, general limitations of concentrations of particulates in the air at workplaces have to be considered in workplace risk

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		Particulates dust, 5 mg/m Particles (ins	Relevant limits include: OSHA PEL for Not Otherwise Regulated of 15 mg/m3 - total n3 - respirable fraction; and ACGIH TWA for soluble or poorly soluble) Not Otherwise 3 mg/m3 - respirable particles, 10 mg/m3 - rticles.
Pers	onal protective equip	ment	
Resp	iratory protection	maintain vap concentratio unknown, ap Follow OSH/ use NIOSH/I by air purifyin hazardous c supplied res release, exp	local exhaust ventilation is recommended to our exposures below recommended limits. Where ins are above recommended limits or are opropriate respiratory protection should be worn. A respirator regulations (29 CFR 1910.134) and MSHA approved respirators. Protection provided ing respirators against exposure to any hemical is limited. Use a positive pressure air poirator if there is any potential for uncontrolled osure levels are unknown, or any other e where air purifying respirators may not provide otection.
	protection		
Ma	aterial	: Impervious g	loves
Re	emarks	on the conce time is not d For special a resistance to gloves with t	es to protect hands against chemicals depending entration specific to place of work. Breakthrough etermined for the product. Change gloves often! applications, we recommend clarifying the o chemicals of the aforementioned protective he glove manufacturer. Wash hands before at the end of workday.
Eye p	protection	: Wear the foll Safety goggl	owing personal protective equipment: es
Skin	and body protection	resistance da potential. Skin contact	priate protective clothing based on chemical ata and an assessment of the local exposure must be avoided by using impervious protective ves, aprons, boots, etc).
Hygie	ene measures	located close When using	eye flushing systems and safety showers are to the working place. do not eat, drink or smoke. ninated clothing before re-use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Color	: clear, colorless, yellow

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Odc	pr	:	floral	
Odc	or Threshold	:	No data available	
pН		:	7 - 10	
Melt	ting point/freezing point	:	No data available)
Initia ranç	al boiling point and boiling ge	:	No data available	
Flas	sh point	:	> 100 °C	
Eva	poration rate	:	No data available	
Flar	nmability (solid, gas)	:	Not applicable	
Upp	er explosion limit	:	No data available	9
Low	er explosion limit	:	No data available	
Vap	or pressure	:	No data available	
Rela	ative vapor density	:	No data available	
Den	sity	:	1.00 g/cm3	
	ubility(ies) Vater solubility	:	soluble	
	tition coefficient: n- anol/water	:	Not applicable	
Auto	pignition temperature	:	No data available)
Dec	omposition temperature	:	The substance of	mixture is not classified self-reactive.
	cosity ïscosity, kinematic	:	1 - 20 mm2/s (20	°C)
Exp	losive properties	:	Not explosive	
Oxio	dizing properties	:	The substance of	r mixture is not classified as oxidizing.

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: Not classified as a reactivity hazard.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reac- tions	: Can react with strong oxidizing agents.

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Cond	itions to avoid	: None known.	
Incom	npatible materials	: Oxidizing agent	S
Haza produ	rdous decomposition acts	: No hazardous d	ecomposition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes Inhalation Skin contact Ingestion Eye contact	of	exposure
Acute toxicity		
Not classified based on availa	ble	information.
Product:		
Acute oral toxicity	:	Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Acute toxicity estimate: > 40 mg/l Exposure time: 4 h Test atmosphere: vapor Method: Calculation method
Acute dermal toxicity	:	Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method
Ingredients:		
Ethanolamine:		
Acute oral toxicity	:	LD50 (Rat): 1,515 mg/kg
Acute inhalation toxicity	:	Acute toxicity estimate: 11 mg/l Test atmosphere: vapor Method: Expert judgment Remarks: Based on harmonised classification in EU regulation 1272/2008, Annex VI
Acute dermal toxicity	:	LD50 (Rabbit): 1,025 mg/kg
4-chloro-3,5-dimethylpheno Acute oral toxicity	l: :	Acute toxicity estimate: 500 mg/kg Method: Expert judgment Remarks: Based on harmonised classification in EU regulation 1272/2008, Annex VI
Acute inhalation toxicity	:	LC50 (Rat): > 6.29 mg/l Test atmosphere: dust/mist
Acute dermal toxicity	:	LD50 (Rat): > 2,000 mg/kg

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-		orrosion/irritation ssified based on availa	able information.	
<u> </u>	Produ	<u>ct:</u>		
F	Result:	No skin irritation		
E		plamine:		
	•	s: Rabbit Corrosive after 3 minu	utes to 1 hour of expos	sure
		ro-3,5-dimethylpheno	d:	
F	Remar	ks: Based on harmonis	ed classification in EU	J regulation 1272/2008, Annex VI
		s eye damage/eye irr s serious eye irritation.	itation	
		-		
	ngred Ethand	plamine:		
		s: Rabbit		
		Irreversible effects on	the eye	
		ro-3,5-dimethylpheno Irreversible effects on		
F	Respir	atory or skin sensitiz	ation	
		ensitization: Not classif atory sensitization: Not		
<u>F</u>	Produ	<u>ct:</u>		
A	Assess	sment: Does not cause	skin sensitization.	
<u>lı</u>	ngred	ients:		
		plamine:		
		ype: Maximization Test of exposure: Skin con	,	
		s: Guinea pig		
F	Result:	negative		
4	4-chlo	ro-3,5-dimethylpheno	d:	
		sment: Probability or ex ks: Based on harmonis		zation in humans J regulation 1272/2008, Annex VI
G	Germ	cell mutagenicity		
Ν	Not cla	ssified based on availa	able information.	
<u>lı</u>	ngred	ients:		
		plamine:	· ·	
C	enoto	oxicity in vitro		ro mammalian cell gene mutation test

Method: OECD Test Guideline 476 Result: negative

n. negative

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Geno	toxicity in vivo	cytogenetic as Species: Mou Application Ro	se bute: Ingestion D Test Guideline 474
	oro-3,5-dimethylpheno toxicity in vitro		ncterial reverse mutation assay (AMES) ve
Carci	nogenicity		
Not cl IARC	assified based on availa ;	No ingredient of	this product present at levels greater than or identified as probable, possible or confirmed en by IARC.
OSH	Α		this product present at levels greater than or identified as a carcinogen or potential carcino-
NTP			this product present at levels greater than or identified as a known or anticipated carcinoge
-	oductive toxicity lassified based on availa	ble information.	
-	dients:		
	nolamine: is on fertility	Species: Rat	vo-generation reproduction toxicity study oute: Ingestion ve
Effect	s on fetal development	Species: Rat Application Re	nbryo-fetal development oute: Ingestion D Test Guideline 414 ve
	-single exposure assified based on availa	ble information	
	assified based on availa dients:	die mornation.	
-	nolamine:		

Assessment: May cause respiratory irritation.

STOT-repeated exposure

Not classified based on available information.

Ingredients:

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Route			ed in animals at concentrations of 0.2 mg/l/6h/d
Repea	ated dose toxicity		
Ethan Specie NOAE Applic	<u>dients:</u> olamine: es: Rat :L: 150 mg/m3 cation Route: inhalation (sure time: 28 d	dust/mist/fume)	
Specie LOAE Applic	oro-3,5-dimethylpheno es: Rabbit L: 180 mg/kg ation Route: Skin contac sure time: 90 d		
-	ation toxicity assified based on availa	ble information.	
SECTION '	12. ECOLOGICAL INFO	ORMATION	
Ecoto	oxicity		
	dients:		
	olamine: ty to fish	: LC50 (Cyprinus Exposure time:	s carpio (Carp)): 349 mg/l : 96 h
	ty to daphnia and other c invertebrates	: EC50 (Daphnia Exposure time:	a magna (Water flea)): 65 mg/l : 48 h
Toxicit	ty to algae	: ErC50 (Selena Exposure time:	strum capricornutum (green algae)): 2.8 mg/l : 72 h
		NOEC (Scened mg/l Exposure time:	desmus capricornutum (fresh water algae)): 1 : 72 h
Toxicit toxicity	ty to fish (Chronic y)	: NOEC (Oryzias Exposure time:	s latipes (Orange-red killifish)): 1.24 mg/l : 41 d
aquati	ty to daphnia and other ic invertebrates nic toxicity)	: NOEC (Daphni Exposure time:	ia magna (Water flea)): 0.85 mg/l : 21 d
Toxici	ty to bacteria		monas putida): 110 mg/l
		Exposure time:	: 17 h

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Toxic	ity to fish	: LC50 (Oncorh Exposure time	nynchus mykiss (rainbow trout)): 0.76 mg/l e: 96 h
	ity to daphnia and other tic invertebrates	EC50 (Daphn Exposure time	ia magna (Water flea)): 7.7 mg/l e: 48 h
M-Fa icity)	ctor (Acute aquatic tox-	: 1	
Persi	istence and degradabil	lity	
Ethai	e <mark>dients:</mark> nolamine: egradability	: Result: Readi Biodegradatio Exposure time	
Bioa	ccumulative potential		
Etha ı Partit	edients: nolamine: ion coefficient: n- iol/water	: log Pow: -1.9*	1
Partit	oro-3,5-dimethylphenc ion coefficient: n- ol/water	bl: : log Pow: 3.27	
	lity in soil ata available		
	r adverse effects ata available		
SECTION	13. DISPOSAL CONSI	DERATIONS	
	osal methods e from residues	: Dispose of in	accordance with local regulations.

Contaminated packaging	: Dispose of as unused product. Empty containers should be taken to an approved waste
	handling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION

International Regulation

UNRTDG Not regulated as a dangerous good IATA-DGR

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Not re	egulated as a dangero	us good			
	G-Code egulated as a dangero	us good			
	sport in bulk accordi pplicable for product a	-	RPOL 73/78 and the IBC Coc	le	
Dom	estic regulation				
49 CI Not re	F R egulated as a dangero	us good			
SECTION	15. REGULATORY II	NFORMATION			
EPC	RA - Emergency Plan	ning and Community	Right-to-Know		
	CLA Reportable Qua material does not cont	ntity ain any components w	ith a CERCLA RQ.		
	-	ardous Substances R ain any components w	Reportable Quantity ith a section 304 EHS RQ.		
SAR	A 311/312 Hazards	: Acute Health H	azard		
SAR	A 302		n this material are subject to tl f SARA Title III, Section 302.	ne reporting	
SAR	A 313	known CAS nu	: 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.		
US S	tate Regulations				
Penn	sylvania Right To Kr	างพ			
	Water		7732-18-5	70 - 90 %	
	Fatty acids	S, COCO	61788-47-4	5 - 10 %	
	Oleic acid Sodium su	Inhata	112-80-1 7757-82-6	1 - 5 % 1 - 5 %	
	Ethanolar	•	141-43-5	1 - 5 % 1 - 5 %	

Ethanolamine	141-43-5	1 - 5 %
New Jersey Right To Know		
Water	7732-18-5	70 - 90 %
Fatty acids, coco	61788-47-4	5 - 10 %
Oleic acid	112-80-1	1 - 5 %
Sodium sulphate	7757-82-6	1 - 5 %
Ethanolamine	141-43-5	1 - 5 %

California Prop 65This product does not contain any chemicals known to the
State of California to cause cancer, birth, or any other
reproductive defects.

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

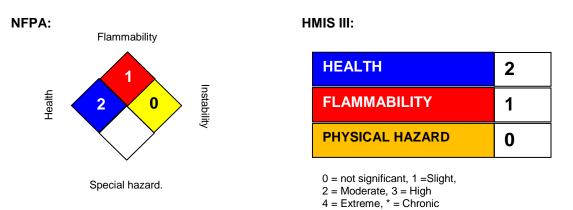
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AICS		: All ingredients li	sted or exempt.

Inventories

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

SECTION 16. OTHER INFORMATION

Further information



Full text of other abbreviations						
ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)				
NIOSH REL		USA. NIOSH Recommended Exposure Limits				
OSHA Z-1	:	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Lim- its for Air Contaminants				
ACGIH / TWA	:	8-hour, time-weighted average				
ACGIH / STEL	:	Short-term exposure limit				
NIOSH REL / TWA	:	Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek				
NIOSH REL / ST	:	STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday				
OSHA Z-1 / TWA	:	8-hour time weighted average				
Sources of key data used to compile the Material Safety Data Sheet	:	Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agen- cy, http://echa.europa.eu/				
Revision Date	:	02/10/2015				

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations

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in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

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