SAFETY DATA SHEET



Detergent 200

Section 1. Identifi	ication
GHS product identifier	: Detergent 200
Other means of identification	: Not available.
Product type	: Liquid.
Relevant identified uses of Not applicable.	the substance or mixture and uses advised against
Supplier's details	: Betco Corporation LTD 400 Van Camp Road Bowling Green, OH 43402 www.betco.com 888-462-3826
Emergency telephone number (with hours of operation)	: Chemtrec (800) 424-9300 24 hour
Section 2. Hazard	Is identification
OSHA/HCS status	: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the substance or mixture	: EYE IRRITATION - Category 2A
GHS label elements	
Hazard pictograms	
Signal word	: Warning
Hazard statements	: Causes serious eye irritation.
Precautionary statements	-
Prevention	: Wear eye or face protection. Wash hands thoroughly after handling.
Response	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
Storage	: Not applicable.
Disposal	: Not applicable.
Hazards not otherwise classified	: None known.

Section 3. Composition/information on ingredients

Substance/mixture	: Mixture
Other means of	: Not available.
identification	

CAS number/other identifiers					
CAS number	:	Not applicable.			
Product code	;	471			

Date of issue/Date of revision

Section 3. Composition/information on ingredients

Ingredient name	%	CAS number
Alcohols, C9-11, ethoxylated		25155-30-0 68439-46-3 151-21-3

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

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

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

Section 4. First aid measures

Description of necessary first aid measures

Eye contact	 Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Skin contact	 Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/ef	fec	ts, acute and delayed
Potential acute health effect	S	
Eye contact	:	Causes serious eye irritation.
Inhalation	:	No known significant effects or critical hazards.
Skin contact	:	No known significant effects or critical hazards.
Ingestion	:	No known significant effects or critical hazards.
Over-exposure signs/sympt	on	<u>15</u>
Eye contact	:	Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	:	No specific data.
Skin contact	:	No specific data.
Ingestion	1	No specific data.
Indication of immediate medi	<u>ca</u>	l attention and special treatment needed, if necessary
Notes to physician	:	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Section 4. First aid measures

Specific treatments

Protection of first-aiders

: No specific treatment.

: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media	
Suitable extinguishing media	: Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: None known.
Specific hazards arising from the chemical	: In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides metal oxide/oxides
Special protective actions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures				
For non-emergency personnel	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.		
For emergency responders	:	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".		
Environmental precautions	:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).		
Methods and materials for co	Methods and materials for containment and cleaning up			
Small spill	:	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.		
Large spill	:	Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.		

Section 7. Handling and storage

Precautions for safe handling	L	
Protective measures		Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	:	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	:	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters	
Occupational exposure lin	
None.	
Appropriate engineering controls	 Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
Individual protection measu	<u>2</u>
Hygiene measures	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
Skin protection	
Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
Body protection	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Date of issue/Date of revision

Section 8. Exposure controls/personal protection

Respiratory protection

: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

Physical state: Liquid.Color: Violet.Odor: Pleasant.Odor threshold: Not available.pH: 8.5 to 9.5Melting point: Not available.Boiling point: Not available.Flash point: Closed cup: Not applicable. [Product does not sustain combustion.]Evaporation rate: Not available.Flammability (solid, gas): Not available.Vapor pressure: Not available.Vapor density: Not available.Relative density: Lot 32Solubility: Easily soluble in the following materials: cold water and hot water.Partition coefficient: n- octanol/water: Not available.Auto-ignition temperature: Not available.Partition coefficient: n- octanol/water: Not available.Outo ration temperature: Not available.Partition coefficient: n- octanol/water: Not available.Outo ration temperature: Not available.Decomposition temperature: Not available.	<u>Appearance</u>	
Odor:Pleasant.Odor threshold:Not available.pH:8.5 to 9.5Melting point:Not available.Boiling point:Not available.Flash point:Closed cup: Not applicable. [Product does not sustain combustion.]Evaporation rate:Not available.Flammability (solid, gas):Not available.Lower and upper explosive (flammable) limits:Not available.Vapor pressure:Not available.Vapor density:Not available.Relative density:1.0432Solubility:Easily soluble in the following materials: cold water and hot water.Partition coefficient: n- octanol/water:Not available.Auto-ignition temperature:Not available.Decomposition temperature:Not available.	Physical state	: Liquid.
Odor threshold: Not available.pH: 8.5 to 9.5Melting point: Not available.Boiling point: Not available.Boiling point: Closed cup: Not applicable. [Product does not sustain combustion.]Evaporation rate: Not available.Flammability (solid, gas): Not available.Lower and upper explosive (flammable) limits: Not available.Vapor pressure: Not available.Vapor density: Not available.Relative density: 1.0432Solubility: Easily soluble in the following materials: cold water and hot water.Partition coefficient: n- octanol/water: Not available.Auto-ignition temperature: Not available.Decomposition temperature: Not available.	Color	: Violet.
pH:8.5 to 9.5Melting point:Not available.Boiling point:Not available.Flash point:Closed cup: Not applicable. [Product does not sustain combustion.]Evaporation rate:Not available.Flammability (solid, gas):Not available.Lower and upper explosive (flammable) limits:Not available.Vapor pressure:Not available.Vapor density:Not available.Relative density:1.0432Solubility:Easily soluble in the following materials: cold water and hot water.Partition coefficient: n- octanol/water:Not available.Auto-ignition temperature:Not available.Decomposition temperature:Not available.	Odor	: Pleasant.
Melting point:Not available.Boiling point:Not available.Flash point:Closed cup: Not applicable. [Product does not sustain combustion.]Evaporation rate:Not available.Flammability (solid, gas):Not available.Lower and upper explosive (flammable) limits:Not available.Vapor pressure:Not available.Vapor density:Not available.Relative density:1.0432Solubility:Easily soluble in the following materials: cold water and hot water.Partition coefficient: n- octanol/water:Not available.Auto-ignition temperature:Not available.Decomposition temperature:Not available.	Odor threshold	: Not available.
Boiling point: Not available.Flash point: Closed cup: Not applicable. [Product does not sustain combustion.]Evaporation rate: Not available.Flammability (solid, gas): Not available.Lower and upper explosive (flammable) limits: Not available.Vapor pressure: Not available.Vapor density: Not available.Relative density: 1.0432Solubility: Easily soluble in the following materials: cold water and hot water.Partition coefficient: n- octanol/water: Not available.Auto-ignition temperature: Not available.Decomposition temperature: Not available.	рН	: 8.5 to 9.5
Flash point: Closed cup: Not applicable. [Product does not sustain combustion.]Evaporation rate: Not available.Flammability (solid, gas): Not available.Lower and upper explosive (flammable) limits: Not available.Vapor pressure: Not available.Vapor density: Not available.Relative density: 1.0432Solubility: Easily soluble in the following materials: cold water and hot water.Partition coefficient: n- octanol/water: Not available.Auto-ignition temperature: Not available.Decomposition temperature: Not available.	Melting point	: Not available.
Evaporation rate: Not available.Flammability (solid, gas): Not available.Lower and upper explosive (flammable) limits: Not available.Vapor pressure: Not available.Vapor density: Not available.Relative density: 1.0432Solubility: Easily soluble in the following materials: cold water and hot water.Partition coefficient: n- octanol/water: Not available.Auto-ignition temperature: Not available.Decomposition temperature: Not available.	Boiling point	: Not available.
Flammability (solid, gas): Not available.Lower and upper explosive (flammable) limits: Not available.Vapor pressure: Not available.Vapor density: Not available.Relative density: 1.0432Solubility: Easily soluble in the following materials: cold water and hot water.Partition coefficient: n- octanol/water: Not available.Auto-ignition temperature: Not available.Decomposition temperature: Not available.	Flash point	: Closed cup: Not applicable. [Product does not sustain combustion.]
Lower and upper explosive (flammable) limits: Not available.Vapor pressure: Not available.Vapor density: Not available.Relative density: 1.0432Solubility: Easily soluble in the following materials: cold water and hot water.Partition coefficient: n- octanol/water: Not available.Auto-ignition temperature: Not available.Decomposition temperature: Not available.	Evaporation rate	: Not available.
(flammable) limitsVapor pressure: Not available.Vapor density: Not available.Relative density: 1.0432Solubility: Easily soluble in the following materials: cold water and hot water.Partition coefficient: n- octanol/water: Not available.Auto-ignition temperature: Not available.Decomposition temperature: Not available.	Flammability (solid, gas)	: Not available.
Vapor pressure: Not available.Vapor density: Not available.Relative density: 1.0432Solubility: Easily soluble in the following materials: cold water and hot water.Partition coefficient: n- octanol/water: Not available.Auto-ignition temperature: Not available.Decomposition temperature: Not available.		: Not available.
Vapor density: Not available.Relative density: 1.0432Solubility: Easily soluble in the following materials: cold water and hot water.Partition coefficient: n- octanol/water: Not available.Auto-ignition temperature: Not available.Decomposition temperature: Not available.		: Not available.
Solubility: Easily soluble in the following materials: cold water and hot water.Partition coefficient: n- octanol/water: Not available.Auto-ignition temperature: Not available.Decomposition temperature: Not available.		: Not available.
Partition coefficient: n- octanol/water : Not available. Auto-ignition temperature : Not available. Decomposition temperature : Not available.	Relative density	: 1.0432
octanol/water: Not available.Decomposition temperature: Not available.	Solubility	: Easily soluble in the following materials: cold water and hot water.
Decomposition temperature : Not available.		: Not available.
Decomposition temperature : Not available.	Auto-ignition temperature	: Not available.
		: Not available.
Viscosity : Not available.	Viscosity	: Not available.

Section 10. Stability and reactivity

: No specific test data related to reactivity available for this product or its ingredients.
: The product is stable.
: Under normal conditions of storage and use, hazardous reactions will not occur.
: No specific data.
: No specific data.
: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Section 11. Toxicological information

Product/ingredient name	Result	Result		Species		e	Exposure	
sodium dodecylbenzenesulfonate	LC50 Inhalation Dusts and	l mists	Rat		310 mg/m³		4 hours	
Alcohols, C9-11, ethoxylated	LD50 Oral LD50 Dermal LD50 Oral	LD50 Dermal		Rabbit		ng/kg · g ·	-	
sodium dodecyl sulphate	LD50 Oral				1378 mg/kg 1288 mg/kg		-	
ritation/Corrosion								
Product/ingredient name	Result	Spec	ies	Score		Exposure	Observation	
odium lodecylbenzenesulfonate	Eyes - Severe irritant	Rabb	bit	-		24 hours 250 Micrograms	-	
,	Eyes - Severe irritant	Rabb	oit	-		1 Percent	-	
	Skin - Moderate irritant	Rabb	bit	-		24 hours 20 milligrams	-	
sodium dodecyl sulphate	Eyes - Mild irritant	Rabb	oit	-		250	-	
	Eyes - Moderate irritant	Rabb	oit	-		Micrograms 24 hours 100	-	
	Eyes - Moderate irritant	Rabb	\i+			milligrams 10 milligrams		
	Skin - Mild irritant	Dog	Л	-		24 hours 25	-	
	Skin - Mild irritant	Guin	ea pig	_		milligrams 24 hours 25	-	
	Skin - Mild irritant	Hum	an	-		milligrams 2 hours 2	-	
	Skin - Mild irritant	Hum	an	-		Percent 504 hours 0.3 Percent		
	Skin - Mild irritant	Hum	an	-		24 hours 0.06 Percent) -	
	Skin - Mild irritant	Hum	an	-		22 hours 10 Percent	-	
	Skin - Mild irritant	Hum	an	-		47 hours 0.5 Percent	-	
	Skin - Mild irritant	Hum	an	-		18 hours 2 Percent	-	
	Skin - Moderate irritant	Hum	an	-		48 hours 3	-	
	Skin - Moderate irritant	Hum	an	-		Percent 24 hours 0.1	-	
	Skin - Moderate irritant	Mous	se	-		Percent 24 hours 25	-	
	Skin - Mild irritant	Pig		-		milligrams 24 hours 25 milligrams	-	
	Skin - Mild irritant	Rabb	bit	-		milligrams 24 hours 50 milligrams	-	
	Skin - Moderate irritant	Rabb	bit	-		milligrams 24 hours 25 milligrams	-	

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Section 11. Toxicological information

Not available.

Specific target organ toxicity (single exposure)

Name		Category	Route of exposure	Target organs
sodium dodecyl sulphate		Category 3	Not applicable.	Respiratory tractive irritation
Specific target organ toxici	<u>ty (repeated exposure)</u>			
Not available.				
Aspiration hazard Not available.				
Information on the likely routes of exposure	: Routes of entry anticipa	ated: Oral, Dermal.		
Potential acute health effects	<u>s</u>			
Eye contact	: Causes serious eye irrit	tation.		
Inhalation	: No known significant ef	fects or critical hazar	ds.	
Skin contact	: No known significant ef	fects or critical hazar	ds.	
Ingestion	: No known significant ef	fects or critical hazar	ds.	
Symptoms related to the phy	/sical, chemical and toxic	ological characteris	<u>tics</u>	
Eye contact	: Adverse symptoms may pain or irritation watering redness	y include the following	g:	
Inhalation	: No specific data.			
Skin contact	: No specific data.			
Ingestion	: No specific data.			
Delayed and immediate effect	ts and also chronic effect	ts from short and lo	<u>ng term exposure</u>	
Short term exposure				
Potential immediate effects	: Not available.			
Potential delayed effects	: Not available.			
Long term exposure				
Potential immediate effects	: Not available.			
Potential delayed effects	: Not available.			
Potential chronic health eff	<u>ects</u>			
Not available.				
		fects or critical hazar	ds.	
General	: No known significant ef			
	No known significant efNo known significant ef		ds.	
General	U U	fects or critical hazar		
General Carcinogenicity	: No known significant ef	fects or critical hazar fects or critical hazar	ds.	
General Carcinogenicity Mutagenicity	No known significant efNo known significant ef	fects or critical hazar fects or critical hazar fects or critical hazar	ds. ds.	

Numerical measures of toxicity Acute toxicity estimates

Section 11. Toxicological information

Route	ATE value
Oral	5496.2 mg/kg
Dermal	10526.3 mg/kg

Section 12. Ecological information

Toxicity			
Product/ingredient name	Result	Species	Exposure
sodium dodecylbenzenesulfonate	Acute EC50 29000 µg/l Fresh water	Algae - Chlorella pyrenoidosa - Exponential growth phase	96 hours
	Acute EC50 7.81 mg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
	Acute EC50 0.15 ppm Fresh water	Daphnia - Daphnia pulex	48 hours
	Acute IC50 112.4 mg/l	Algae - Pseudokirchneriella subcapitata - Exponential growth phase	72 hours
	Acute LC50 1.18 ppm Fresh water	Fish - Lepomis macrochirus	96 hours
Alcohols, C9-11, ethoxylated	Acute EC50 5.36 mg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
	Acute EC50 2686 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 8500 µg/l Fresh water	Fish - Pimephales promelas	96 hours
sodium dodecyl sulphate	Acute EC50 1200 µg/l Marine water	Algae - Skeletonema costatum	96 hours
	Acute LC50 900 µg/l Marine water	Crustaceans - Artemia salina - Adult	48 hours
	Acute LC50 1400 µg/l Fresh water	Daphnia - Daphnia pulex - Neonate	48 hours
	Acute LC50 590 µg/l Fresh water	Fish - Cirrhinus mrigala - Larvae	96 hours
	Chronic NOEC 1.25 mg/l Marine water	Algae - Ulva fasciata - Zoea	96 hours
	Chronic NOEC 1 mg/l Fresh water	Crustaceans - Pseudosida ramosa - Neonate	21 days
	Chronic NOEC 3.2 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	21 days
	Chronic NOEC >1357 µg/l Fresh water	Fish - Pimephales promelas	42 days

Persistence and degradability

Not available.

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
sodium dodecylbenzenesulfonate	1.96	-	low
sodium dodecyl sulphate	-2.03	-	low

Mobility in soil

Soil/water partition coefficient (Koc)	: Not available.
Other adverse effects	: No known significant effects

: No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods

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

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	ADR/RID	IMDG	ΙΑΤΑ
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-	-	-
Transport hazard class(es)	-	-	-	-	-	-
Packing group	-	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.	No.
Additional information	Reportable quantity 14285.7 lbs / 6485.7 kg [1642.4 gal / 6217.1 L] Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.					

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

Transport in bulk according : Not available. to Annex II of MARPOL and the IBC Code

Section 15. Regulatory information

U.S. Federal regulations	: TSCA 8(a) PAIR: α-hexylcinnamaldehyde; 2-(4-tert-butylbenzyl)propionaldehyde; vanilli
	TSCA 8(a) CDR Exempt/Partial exemption: Not determined
	Not determined.
	Clean Water Act (CWA) 311: sodium dodecylbenzenesulfonate; sodium hydroxide
Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)	: Listed
Clean Air Act Section 602 Class I Substances	: Not listed
Clean Air Act Section 602 Class II Substances	: Not listed
DEA List I Chemicals (Precursor Chemicals)	: Not listed
DEA List II Chemicals (Essential Chemicals)	: Not listed
<u>SARA 302/304</u>	
Composition/information	on ingredients
No products were found.	
SARA 304 RQ	: Not applicable.
<u>SARA 311/312</u>	
Classification	: Immediate (acute) health hazard

Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
sodium dodecylbenzenesulfonate	≥5 - <7.1	No.	No.	No.	Yes.	No.
Alcohols, C9-11, ethoxylated sodium dodecyl sulphate	≥3 - <5 ≥1 - <2.89	No. No.	No. No.	No. No.	Yes. Yes.	No. No.

State regulations

Massachusetts	 The following components are listed: SODIUM DODECYLBENZENE SULFONATE; Sodium Hydroxide Solution
New York	 The following components are listed: Sodium dodecylbenzene sulfonate; Dodecylbenzene sulfonate
New Jersey	 The following components are listed: SODIUM DODECYLBENZENE SULFONATE; BENZENESULFONIC ACID, DODECYL-, SODIUM SALT; Sodium Hydroxide Solution; PROPYLENE GLYCOL; 1,2-PROPANEDIOL
Pennsylvania	 The following components are listed: BENZENESULFONIC ACID, DODECYL-, SODIUM SALT; Sodium Hydroxide Solution; 1,2-PROPANEDIOL
International regulations	
Chemical Weapon Con	vention List Schedules LII & III Chemicals

Chemical Weapon Convention List Schedules I, II & III Chemicals Not listed.

Montreal Protocol (Annexes A, B, C, E)

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Inform Consent (PIC)

Section 15. Regulatory information

Not listed.

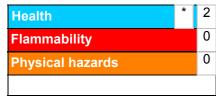
UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

International lists	
National inventory	
Australia	: Not determined.
Canada	: Not determined.
China	: Not determined.
Europe	: Not determined.
Japan	: Japan inventory (ENCS): Not determined. Japan inventory (ISHL): Not determined.
Malaysia	: Not determined.
New Zealand	: Not determined.
Philippines	: Not determined.
Republic of Korea	: Not determined.
Taiwan	: Not determined.

Section 16. Other information

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



Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on SDSs under 29 CFR 1910. 1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)



Reprinted with permission from NFPA 704-2001, Identification of the Hazards of Materials for Emergency Response Copyright ©1997, National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete and official position of the National Fire Protection Association, on the referenced subject which is represented only by the standard in its entirety.

Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Procedure used to derive the classification

Clas	ssification		Just	tification		
Eye Irrit. 2A, H319		Calcula	ation method			
History Date of printing	: 12/16/2016	i				
Date of issue/Date of revision	: 12/16/2016	Date of previous issue	: 4/22/2016	Version	: 1.02	11/12

Section 16. Other information

Date of issue/Date of revision	: 12/16/2016
Date of previous issue	: 4/22/2016
Version	: 1.02
Key to abbreviations	 ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Internediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations
References	: Not available.

✓ Indicates information that has changed from previously issued version.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.