

SAFETY DATA SHEET



Mesityl-100

Section 1. Identification

Product name : Mesityl-100
Product code : 1590
Synonyms : Mesityl 8093
Product type : Solid.
CAS number : 527-60-6

Supplier : SABIC Americas, Inc.
 2500 City West Boulevard, Suite 650
 Houston, TX 77042
 U.S.A.
 Phone: (713) 532-4999
 Fax: (713) 532-4994
 E-mail: info@americas.sabic.com

Emergency telephone number (with hours of operation) : CHEMTREC, U.S. : (800) 424-9300 International: (703) 527-3887

Section 2. Hazards 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 : ACUTE TOXICITY (oral) - Category 4
 SKIN CORROSION - Category 1B
 SERIOUS EYE DAMAGE - Category 1
 SKIN SENSITIZATION - Category 1

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : Harmful if swallowed.
 Causes severe skin burns and eye damage.
 May cause an allergic skin reaction.



Precautionary statements

Prevention : Wear protective gloves: 4 - 8 hours (breakthrough time): butyl rubber. Wear eye or face protection: Recommended: full-face mask. Wear protective clothing: Recommended: chemical-resistant protective suit. Avoid breathing dust. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.

Response : IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or physician. IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician. IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention. 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 physician.

Storage : Store locked up.

Section 2. Hazards identification


- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Supplemental label elements** :  Do not taste or swallow. Wash thoroughly after handling.
- Hazards not otherwise classified** :  Causes digestive tract burns.

Section 3. Composition/information on ingredients

- Substance/mixture** : Substance
- Other means of identification** :  Mesitol 8093

CAS number/other identifiers

- CAS number** : 527-60-6

Ingredient name	%	CAS number
 2,4,6-Trimethylphenol	80 - 93	527-60-6
2,4-xylenol	1 - 10	105-67-9
2,3,6 trimethylphenol	2 - 5	2416-94-6
o-cresol	0.1 - 3	95-48-7

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** : Get medical attention immediately. Call a poison center or physician. 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. Chemical burns must be treated promptly by a physician.
- Inhalation** : Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. 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. 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.
- Skin contact** : Get medical attention immediately. Call a poison center or physician. Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Get medical attention immediately. Call a poison center or physician. 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. Chemical burns must be treated promptly by a physician. 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.

Section 4. First aid measures

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : Causes serious eye damage.
- Inhalation** : ☒ No known significant effects or critical hazards.
- Skin contact** : Causes severe burns. May cause an allergic skin reaction.
- Ingestion** : ☒ Harmful if swallowed. Corrosive to the digestive tract. Causes burns.

Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:
pain
watering
redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:
pain or irritation
redness
blistering may occur
- Ingestion** : Adverse symptoms may include the following:
stomach pains

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

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** : No specific fire or explosion hazard.

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide

- 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. 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 containment and cleaning up

- Small spill** : Move containers from spill area. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. 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. Store locked up. 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 limits

Section 8. Exposure controls/personal protection

Product/ingredient name	Exposure limits
 -cresol	<p>OSHA PEL 1989 (United States, 3/1989). Absorbed through skin. TWA: 5 ppm 8 hours. TWA: 22 mg/m³ 8 hours.</p> <p>ACGIH TLV (United States, 3/2016). Absorbed through skin. TWA: 20 mg/m³ 8 hours. Form: Inhalable fraction and vapor</p> <p>NIOSH REL (United States, 10/2013). TWA: 2.3 ppm 10 hours. TWA: 10 mg/m³ 10 hours.</p> <p>OSHA PEL (United States, 6/2016). Absorbed through skin. TWA: 5 ppm 8 hours. TWA: 22 mg/m³ 8 hours.</p>

Appropriate engineering controls

- : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

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 measures

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. Contaminated work clothing should not be allowed out of the workplace. 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 and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead. Recommended: full-face mask

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. 4 - 8 hours (breakthrough time): butyl rubber


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. Recommended: chemical-resistant protective suit

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.

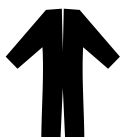
Respiratory protection

- :  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. Recommended: full-face mask P3

Section 8. Exposure controls/personal protection

Personal protective equipment (Pictograms)

:



Section 9. Physical and chemical properties

Appearance

Physical state	: Solid.
Color	: Clear.
Odor	: Not available.
Odor threshold	: Not available.
pH	: Not available.
Melting point	: 70°C (158°F)
Boiling point	: 221°C (429.8°F)
Flash point	: Closed cup: 99°C (210.2°F)
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	: Not available.
Solubility	: Not available.
Partition coefficient: n-octanol/water	: Not available.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Viscosity	: Not available.

Section 10. Stability and reactivity

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

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
2,4,6-Trimethylphenol	LDLo Dermal	Rabbit	>2000 mg/kg	-
	LDLo Oral	Rat	>2000 mg/kg	-
2,4-xylenol	LD50 Dermal	Rat	1040 mg/kg	-
	LD50 Oral	Mouse	809 mg/kg	-
	LD50 Oral	Rat	2300 mg/kg	-
o-cresol	LD50 Dermal	Rabbit	1380 mg/kg	-
	LD50 Oral	Rat	121 mg/kg	-
	NOAEL Inhalation Dusts and mists	Rat	20 mg/l	6 hours
	NOAEL Inhalation Vapor	Rat	1.22 mg/l	1 hours

Conclusion/Summary : Harmful if swallowed.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
2,4,6-Trimethylphenol	Skin - Edema	Rabbit	0.67	24 hours	-
o-cresol	Skin - Edema	Rabbit	8	-	-
	Eyes - Edema of the conjunctivae	Rabbit	91.3	-	-

Conclusion/Summary

Skin : Corrosive to the skin.

Eyes : Corrosive to eyes.

Respiratory : May cause respiratory irritation.

Sensitization

Not available.

Conclusion/Summary

Skin : Sensitizer to skin

Respiratory : Not classified for respiratory sensitization.

Mutagenicity

Product/ingredient name	Test	Experiment	Result
o-cresol	-	Subject: Bacteria	Negative
	-	Subject: Mammalian-Animal	Negative

Conclusion/Summary : Not mutagenic.

Carcinogenicity

Not available.

Conclusion/Summary : No carcinogenic effect.

Reproductive toxicity

Product/ingredient name	Maternal toxicity	Fertility	Development toxin	Species	Dose	Exposure
o-cresol	-	Negative	Negative	Rat	Oral: 175 mg/kg	-
	-	Negative	-	Rat	Gavage	-
	-	-	-	Rat	Oral: 450 mg/kg	-
	-	-	-	Rat	Gavage	-
	-	-	Negative	Rat	Oral: 30 mg/kg	-
	-	-	-	Rat	Gavage	-
	-	-	-	Rat	Oral: 50 mg/kg	-
	-	-	-	Rat	Gavage	-

Section 11. Toxicological information

	-	Negative	-	Rat	Oral: 263 mg/kg Gavage	-
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Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
o-cresol	Category 3	Not applicable.	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : Causes serious eye damage.
Inhalation : No known significant effects or critical hazards.
Skin contact : Causes severe burns. May cause an allergic skin reaction.
Ingestion : Harmful if swallowed. Corrosive to the digestive tract. Causes burns.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:
 pain
 watering
 redness
Inhalation : No specific data.
Skin contact : Adverse symptoms may include the following:
 pain or irritation
 redness
 blistering may occur
Ingestion : Adverse symptoms may include the following:
 stomach pains

Delayed and immediate effects and also chronic effects from short and long term exposure

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 effects

Product/ingredient name	Result	Species	Dose	Exposure
2,4,6-Trimethylphenol o-cresol	Chronic NOAEL Oral	Rat	≥10 mg/kg	-
	Chronic NOAEL Oral	Rat	50 mg/kg	13 weeks
	Chronic NOAEL Oral	Rat	3750 mg/kg	-
	Chronic NOAEL Oral	Mouse	1250 mg/kg	-

Section 11. Toxicological information

General	: Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Teratogenicity	: No known significant effects or critical hazards.
Developmental effects	: No known significant effects or critical hazards.
Fertility effects	: No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
Oral	1520.5 mg/kg
Dermal	4387.4 mg/kg

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
2,4,6-Trimethylphenol	Acute EC50 6.03 mg/l Acute EC50 3.4 mg/l Acute LC50 9.7 mg/l Chronic NOEC 1.61 mg/l Chronic NOEC 0.1 to 0.3 mg/l Chronic NOEC 2 mg/l	Algae Crustaceans Fish Algae Daphnia Fish	96 hours 48 hours 96 hours 96 hours 21 days 21 days
2,4-xylenol	Acute LC50 1320 µg/l Marine water	Fish - Menidia beryllina - Juvenile (Fledgling, Hatchling, Weanling)	96 hours
2,3,6 trimethylphenol	Chronic NOEC 1000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
o-cresol	Acute LC50 8200 µg/l Fresh water NOEC 6.8 mg/l NOEC 17 mg/l NOEC 33 mg/l Acute EC50 9.6 mg/l Acute LC50 23000 µg/l Fresh water Acute LC50 5000 µg/l Fresh water Acute LC50 6.2 mg/l	Fish - Pimephales promelas Algae - Microcystis aeruginosa Micro-organism - Entosiphon sulcatum Micro-organism - Pseudomonas putida Daphnia - Daphnia pulex Crustaceans - Asellus aquaticus Daphnia - Daphnia magna Fish - Salmo trutta	96 hours 8 days 72 hours 16 hours 48 hours 48 hours 48 hours 96 hours

Conclusion/Summary : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
o-cresol	OECD 302B 302B Inherent Biodegradability: Zahn-Wellens/ EMPA Test OECD 301D 301D Ready Biodegradability - Closed Bottle Test OECD 301C 301C Ready Biodegradability -	95 % - 5 days 86 % - 20 days 80 % - 40 days	- - 100 mg/l	- - -

Section 12. Ecological information

	Modified MITI Test (I) Anaerobic	10 % - 56 days	30 mg/l	-
Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability	
o-cresol	-	-	Readily	

Bioaccumulative potential

Product/ingredient name	LogP_{ow}	BCF	Potential
2,3,6 trimethylphenol	2.67	-	low
o-cresol	1.95	10.7	low

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Other adverse 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.

United States - RCRA Toxic hazardous waste "U" List

Ingredient	CAS #	Status	Reference number
2,4-Dimethylphenol; Phenol, 2,4-dimethyl-Cresol	105-67-9 95-48-7	Listed Listed	U101 U052

Section 14. Transport information

	DOT Classification	IMDG	IATA
UN number	UN2430	UN2430	UN2430
UN proper shipping name	Alkylphenols, solid, n.o.s.	ALKYLPHENOLS, SOLID, N.O. S. Marine pollutant (2,4, 6-Trimethylphenol, 2,4-xyleneol)	Alkylphenols, solid, n.o.s.
Transport hazard class(es)	8 	8  	8 
Packing group	II	II	II
Environmental hazards	No.	Yes.	Yes. The environmentally hazardous substance mark is not required.

Section 14. Transport information

Additional information	<p>Reportable quantity 1818.2 lbs / 825.45 kg Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.</p> <p>Limited quantity Yes.</p> <p>Packaging instruction Passenger aircraft Quantity limitation: 15 kg</p> <p>Cargo aircraft Quantity limitation: 50 kg</p> <p>Special provisions IB8, IP2, IP4, T3, TP33</p>	<p>The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.</p> <p>Emergency schedules (EmS) F-A, S-B</p>	<p>The environmentally hazardous substance mark may appear if required by other transportation regulations.</p> <p>Passenger and Cargo Aircraft Quantity limitation: 15 kg Packaging instructions: 859</p> <p>Cargo Aircraft Only Quantity limitation: 50 kg Packaging instructions: 863</p> <p>Limited Quantities - Passenger Aircraft Quantity limitation: 1 kg Packaging instructions: Y843</p> <p>Special provisions A3, A803</p>
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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 to Annex II of MARPOL and the IBC Code : Not available.

Section 15. Regulatory information

U.S. Federal regulations : **Clean Water Act (CWA) 307:** 2,4-xyleneol; Phenol
Clean Water Act (CWA) 311: o-cresol; Phenol

TSCA 8(b) inventory : All components are listed or exempted.

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

SARA 302/304

Composition/information on ingredients

Name	%	EHS	SARA 302 TPQ		SARA 304 RQ	
			(lbs)	(gallons)	(lbs)	(gallons)
<input checked="" type="checkbox"/> -cresol	0.1 - 3	Yes.	1000 / 10000	-	100	-
phenol	0.01 - 1	Yes.	500 / 10000	-	1000	-

SARA 304 RQ : ☒ 451.6 lbs / 2929 kg

Section 15. Regulatory information

SARA 311/312

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
2,4,6-Trimethylphenol	80 - 93	No.	No.	No.	Yes.	No.
2,4-xlenol	1 - 10	No.	No.	No.	Yes.	No.
2,3,6 trimethylphenol	2 - 5	No.	No.	No.	Yes.	No.
o-cresol	0.1 - 3	No.	No.	No.	Yes.	No.

SARA 313

	Product name	CAS number	%
Form R - Reporting requirements	2,4-xlenol	105-67-9	1 - 10
	o-cresol	95-48-7	0.1 - 3
Supplier notification	2,4-xlenol	105-67-9	1 - 10
	o-cresol	95-48-7	0.1 - 3

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

- Massachusetts** : The following components are listed: 2,4-DIMETHYLPHENOL; O-CRESOL; CRESYLIC ACID (O)
- New York** : The following components are listed: 2,4-Dimethylphenol; 2,4-Xylenol; Cresol(s); Xylenol
- New Jersey** : The following components are listed: 2,4-DIMETHYLPHENOL; m-XYLENOL; o-CRESOL; 2-METHYL PHENOL
- Pennsylvania** : The following components are listed: PHENOL, 2,4-DIMETHYL-; PHENOL, 2-METHYL-

International regulations

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 Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

International lists

National inventory

- Australia** : All components are listed or exempted.
- Canada** : At least one component is not listed in DSL but all such components are listed in NDSL.
- China** : All components are listed or exempted.
- Europe** : All components are listed or exempted.
- Japan** : **Japan inventory (ENCS)**: All components are listed or exempted.
Japan inventory (ISHL): All components are listed or exempted.
- New Zealand** : All components are listed or exempted.
- Philippines** : All components are listed or exempted.
- Republic of Korea** : All components are listed or exempted.

Section 15. Regulatory information

Taiwan : All components are listed or exempted.
United States inventory (TSCA 8b) : All components are listed or exempted.

Section 16. Other information

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

Health	2
Flammability	1
Physical hazards	0

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.)



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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

Classification	Justification
ACUTE TOXICITY (oral) - Category 4 SKIN CORROSION - Category 1B SERIOUS EYE DAMAGE - Category 1 SKIN SENSITIZATION - Category 1	Calculation method Calculation method Calculation method Calculation method

History

Date of printing : 22-9-2017
Date of issue/Date of revision : 22-9-2017
Date of previous issue : 24-5-2016
Version : 4

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 = Intermediate 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

Section 16. Other information

References : Not available.

Indicates information that has changed from previously issued version.

Notice to reader

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