Safety Data Sheet

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This Safety Data Sheet has been prepared in accordance with the GHS guidelines & India Hazardous substances (Classification, Labeling & Packaging) Draft Rules 2011.

SECTION 1: Identification

1.1. Product identifier
BONDO Multi-Purpose Cleaner

Product Identification Numbers
IA-2601-0093-7 IA-2601-0450-9 IA-2601-0493-9

1.2. Recommended use and restrictions on use

Recommended use
Automotive., Degreasing external surface of an automobile

1.3. Supplier's details

Address:	3M India Limited, plot-48-51, Electronic city, Hosur road, Bangalore-560100
Telephone:	080-45543000, contact Product EHS team
E Mail:	productehs.in@mmm.com
Website:	http://solutions.3mindia.co.in

1.4. Emergency telephone number
080-45543000 (Contact hours: 8:00 AM to 5:00 PM)

SECTION 2: Hazard identification

Under MSIHC Rules, information is noted below on flammability, acute toxicity and explosivity relevant to this product. In line with international standards, information on other hazard classes and associated precautionary statements relevant to this product are included as well.

2.1. Classification of the substance or mixture
Skin Corrosion/Irritation: Category 2.
Serious Eye Damage/Irritation: Category 1.
Skin Sensitizer: Category 1B.

2.2. Label elements
Signal Word
Danger

Symbols

Corrosion | Exclamation mark |

Pictograms



HAZARD STATEMENTS:

H315	Causes skin irritation.
H318	Causes serious eye damage.
H317	May cause an allergic skin reaction.

PRECAUTIONARY STATEMENTS

General:

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.

Prevention:

P280B	Wear protective gloves and eye/face protection.

Response:

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

This material is a mixture.

Ingredient	CAS Nbr	% by Wt
Water	7732-18-5	60 - 90
Polymer with Oxirane	Trade Secret	1 - 5
.beta.-Alanine, N-(2-carboxyethyl)-N-(2-ethylhexyl)-, monosodium salt	94441-92-6	1 - 5
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., chlorides, sodium salts	61789-39-7	1 - 5
ETHOXYLATED TETRAMETHYLDECYNEDIOL	9014-85-1	1 - 5
TETRASODIUM SALT OF HYDROXYETHLYDENE	3794-83-0	1 - 5

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

Remove person to fresh air. If you feel unwell, get medical attention.

Skin contact
Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.

Eye contact
Immediately flush with large amounts of water for at least 15 minutes. Remove contact lenses if easy to do. Continue rinsing. Immediately get medical attention.

If swallowed
Rinse mouth. If you feel unwell, get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Allergic skin reaction (redness, swelling, blistering, and itching). Serious damage to the eyes (corneal cloudiness, severe pain, tearing, ulcerations, and significantly impaired or loss of vision).

4.3. Indication of any immediate medical attention and special treatment required
Not applicable

SECTION 5: Fire-fighting measures

5.1. Suitable Extinguishing media
In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

5.2. Special hazards arising from the substance or mixture
None inherent in this product.

Hazardous Decomposition or By-Products

Substance	Condition
Carbon monoxide.	During combustion.
Carbon dioxide.	During combustion.
Irritant vapours or gases.	During combustion.

5.3. Special protective actions for fire-fighters
Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Use PPE - Exposure Assessment Use personal protective equipment based on the results of an exposure assessment. Refer to Section 8 for PPE recommendations. If anticipated exposure resulting from an accidental release exceeds the protective capabilities of the PPE listed in Section 8, or are unknown, select PPE that offers an appropriate level of protection. Consider the physical and chemical hazards of the material when doing so. Examples of PPE ensembles for emergency response could include wearing bunker gear for a release of flammable material; wearing chemical protective clothing if the spilled material is a corrosive, a sensitizer, a significant dermal irritant, or can be absorbed through the skin; or donning a positive pressure supplied-air respirator for chemicals with inhalation hazards. For information regarding physical and health hazards, refer to sections 2 and 11 of the SDS. Evacuate area. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice.

6.2. Environmental precautions
Avoid release to the environment.

6.3. Methods and material for containment and cleaning up
Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible.

Place in a closed container approved for transportation by appropriate authorities. Clean up residue with water. Seal the container. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Keep out of reach of children. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wash contaminated clothing before reuse. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.) Keep away from reactive metals (eg. Aluminum, zinc etc.) to avoid the formation of hydrogen gas that could create an explosion hazard.

7.2. Conditions for safe storage including any incompatibilities
Store away from heat. Store away from acids. Store away from strong bases. Store away from oxidising agents.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits
No occupational exposure limit values exist for any of the components listed in Section 3 of this Safety Data Sheet.

8.2. Exposure controls

8.2.1. Engineering controls
Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapours/spray. If ventilation is not adequate, use respiratory protection equipment.

8.2.2. Personal protective equipment (PPE)

Eye/face protection

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:
Full face shield.
Indirect vented goggles.

Skin/hand protection
Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing. Note: Nitrile gloves may be worn over polymer laminate gloves to improve dexterity.
Gloves made from the following material(s) are recommended: Polymer laminate

If this product is used in a manner that presents a higher potential for exposure (eg. spraying, high splash potential etc.), then use of protective coveralls may be necessary. Select and use body protection to prevent contact based on the results of an exposure assessment. The following protective clothing material(s) are recommended: Apron - polymer laminate

Respiratory protection

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:

Half facepiece or full facepiece air-purifying respirator suitable for organic vapours and particulates

For questions about suitability for a specific application, consult with your respirator manufacturer.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Specific Physical Form:	Liquid.
Color	Yellow
Odor	Lemon-lime
Odour threshold	*No data available.*
pH	9
Melting point/Freezing point: NA	*No data available.*
Boiling point/Initial boiling point/Boiling range	*No data available.*
Flash point	*Not applicable.*
Evaporation rate	*No data available.*
Flammability	Not applicable.
Flammable Limits(LEL)	*Not applicable.*
Flammable Limits(UEL)	*Not applicable.*
Vapour pressure	*No data available.*
Relative Vapor Density	*No data available.*
Density	1 kg/m3
Relative density	1 [*Ref Std:*WATER=1]
Water solubility	Complete
Solubility- non-water	*No data available.*
Partition coefficient: n-octanol/water	*No data available.*
Autoignition temperature	*Not applicable.*
Decomposition temperature	*No data available.*
Kinematic Viscosity	*Not applicable.*
Volatile organic compounds (VOC)	*No data available.*
Percent volatile	90 % weight
VOC less H2O & exempt solvents	*No data available.*

Particle Characteristics	*Not applicable.*

SECTION 10: Stability and reactivity

10.1 Reactivity
This material may be reactive with certain agents under certain conditions - see the remaining headings in this section

10.2 Chemical stability
Stable.

10.3 Possibility of hazardous reactions
Hazardous polymerisation will not occur.

10.4 Conditions to avoid
Heat.
High shear and high temperature conditions

10.5 Incompatible materials
Aluminium
Strong acids.
Strong bases.
Strong oxidising agents.
Aluminium
Zinc

10.6 Hazardous decomposition products

Substance	Condition
None known.	

Refer to section 5.2 for hazardous decomposition products during combustion.

SECTION 11: Toxicological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labelling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

11.1 Information on Toxicological effects

Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

Inhalation
Respiratory tract irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Skin contact
Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, dryness, cracking, blistering, and pain.
Allergic skin reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

Eye contact
Corrosive (eye burns): Signs/symptoms may include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision.

Ingestion
Gastrointestinal irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea.

Toxicological Data
If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

Acute Toxicity

Name	Route	Species	Value
Overall product	Ingestion		No data available; calculated ATE >5,000 mg/kg
ETHOXYLATED TETRAMETHYLDECYNEDIOL	Dermal	Rat	LD50 > 2,000 mg/kg
ETHOXYLATED TETRAMETHYLDECYNEDIOL	Ingestion	Rat	LD50 6,400 mg/kg
TETRASODIUM SALT OF HYDROXYETHLYDENE	Dermal	Rabbit	LD50 > 1,650 mg/kg
TETRASODIUM SALT OF HYDROXYETHLYDENE	Ingestion	Rat	LD50 940 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
ETHOXYLATED TETRAMETHYLDECYNEDIOL	Rabbit	No significant irritation
TETRASODIUM SALT OF HYDROXYETHLYDENE	Rabbit	No significant irritation

Serious Eye Damage/Irritation

Name	Species	Value
ETHOXYLATED TETRAMETHYLDECYNEDIOL	Rabbit	Corrosive
TETRASODIUM SALT OF HYDROXYETHLYDENE	Professional judgement	Severe irritant

Sensitization:

Skin Sensitisation

Name	Species	Value
ETHOXYLATED TETRAMETHYLDECYNEDIOL	Mouse	Sensitising
TETRASODIUM SALT OF HYDROXYETHLYDENE	similar compounds	Not classified

Respiratory Sensitisation

For the component/components, either no data are currently available or the data are not sufficient for classification.

Germ Cell Mutagenicity

Name	Route	Value
ETHOXYLATED TETRAMETHYLDECYNEDIOL	In Vitro	Not mutagenic
TETRASODIUM SALT OF HYDROXYETHLYDENE	In Vitro	Not mutagenic

Carcinogenicity

For the component/components, either no data are currently available or the data are not sufficient for classification.

Reproductive Toxicity

Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test result	Exposure Duration
ETHOXYLATED TETRAMETHYLDECYNEDIOL	Ingestion	Not classified for female reproduction	Rat	NOAEL 2,000 mg/kg/day	1 generation
ETHOXYLATED TETRAMETHYLDECYNEDIOL	Ingestion	Not classified for male reproduction	Rat	NOAEL 2,000 mg/kg/day	1 generation

Target Organ(s)

Specific Target Organ Toxicity - single exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
ETHOXYLATED TETRAMETHYLDECYNEDIOL	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL Not available	
TETRASODIUM SALT OF	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for	similar health	NOAEL Not available	

HYDROXYETHLYDENE			classification	hazards		

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
ETHOXYLATED TETRAMETHYLDECYNEDIOL	Ingestion	liver | blood | kidney and/or bladder	Not classified	Dog	NOAEL 600 mg/kg/day	91 days

Aspiration Hazard
For the component/components, either no data are currently available or the data are not sufficient for classification.

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

SECTION 12: Ecological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. Additional information leading to material classification in Section 2 is available upon request. In addition, environmental fate and effects data on ingredients may not be reflected in this section because an ingredient is present below the threshold for labelling, an ingredient is not expected to be available for exposure, or the data is considered not relevant to the material as a whole.

12.1. Toxicity

Acute aquatic hazard:
Not acutely toxic to aquatic life by GHS criteria.

Chronic aquatic hazard:
Not chronically toxic to aquatic life by GHS criteria.

No product test data available.

Material	CAS Nbr	Organism	Type	Exposure	Test endpoint	Test result
.beta.-Alanine, N-(2-carboxyethyl)-N-(2-ethylhexyl)-, monosodium salt	94441-92-6	Green algae	Experimental	72 hours	ErC50	>120 mg/l
.beta.-Alanine, N-(2-carboxyethyl)-N-(2-ethylhexyl)-, monosodium salt	94441-92-6	Rainbow trout	Experimental	96 hours	LC50	>100 mg/l
.beta.-Alanine, N-(2-carboxyethyl)-N-(2-ethylhexyl)-, monosodium salt	94441-92-6	Water flea	Experimental	48 hours	EC50	>400 mg/l
.beta.-Alanine, N-(2-carboxyethyl)-N-(2-ethylhexyl)-, monosodium salt	94441-92-6	Green algae	Experimental	72 hours	NOEC	120 mg/l
.beta.-Alanine, N-(2-carboxyethyl)-N-(2-ethylhexyl)-, monosodium salt	94441-92-6	Water flea	Experimental	21 days	NOEC	>=62.5 mg/l
.beta.-Alanine, N-(2-carboxyethyl)-N-(2-ethylhexyl)-, monosodium salt	94441-92-6	Activated sludge	Experimental	3 hours	EC50	>640 mg/l
1-Propanaminium, 3-amino-N-(carboxymethyl)-	61789-39-7	N/A	Data not available or insufficient for classification	N/A	N/A	N/A

N,N-dimethyl-, N-coco acyl derivs., chlorides, sodium salts						
ETHOXYLATED TETRAMETHYL DECYNEDIOL	9014-85-1	Activated sludge	Estimated	3 hours	EC50	630 mg/l
ETHOXYLATED TETRAMETHYL DECYNEDIOL	9014-85-1	Fathead minnow	Estimated	96 hours	LC50	36 mg/l
ETHOXYLATED TETRAMETHYL DECYNEDIOL	9014-85-1	Green algae	Estimated	72 hours	EC50	82 mg/l
ETHOXYLATED TETRAMETHYL DECYNEDIOL	9014-85-1	Water flea	Estimated	48 hours	EC50	88 mg/l
ETHOXYLATED TETRAMETHYL DECYNEDIOL	9014-85-1	Copepod	Experimental	48 hours	LC50	166 mg/l
ETHOXYLATED TETRAMETHYL DECYNEDIOL	9014-85-1	Diatom	Experimental	72 hours	EC50	76 mg/l
ETHOXYLATED TETRAMETHYL DECYNEDIOL	9014-85-1	Fish	Experimental	96 hours	LC50	52 mg/l
ETHOXYLATED TETRAMETHYL DECYNEDIOL	9014-85-1	Green algae	Estimated	72 hours	EC10	15 mg/l
Polymer with Oxirane	Trade Secret	N/A	Data not available or insufficient for classification	N/A	N/A	N/A
TETRASODIUM SALT OF HYDROXYETHLYDENE	3794-83-0	Grass Shrimp	Estimated	48 hours	LC50	2,530 mg/l
TETRASODIUM SALT OF HYDROXYETHLYDENE	3794-83-0	Rainbow trout	Estimated	96 hours	LC50	278 mg/l
TETRASODIUM SALT OF HYDROXYETHLYDENE	3794-83-0	Sheepshead Minnow	Estimated	96 hours	LC50	3,111 mg/l
TETRASODIUM SALT OF HYDROXYETHLYDENE	3794-83-0	Water flea	Estimated	48 hours	EC50	752 mg/l
TETRASODIUM SALT OF HYDROXYETHLYDENE	3794-83-0	Water flea	Estimated	48 hours	NOEC	9.63 mg/l
TETRASODIUM SALT OF HYDROXYETHLYDENE	3794-83-0	Bacteria	Analogous Compound	30 minutes	NOEC	960 mg/l
TETRASODIUM SALT OF HYDROXYETHLYDENE	3794-83-0	Mallard Duck	Estimated	14 days	LD50	>405 mg per kg of bodyweight
TETRASODIUM SALT OF HYDROXYETHLYDENE	3794-83-0	Oats	Estimated	14 days	EC50	>=960 mg/kg (Dry Weight)
TETRASODIUM SALT OF HYDROXYETHLYDENE	3794-83-0	Redworm	Estimated	28 days	NOEC	674 mg/kg (Dry Weight)

12.2. Persistence and degradability

Material	CAS Nbr	Test type	Duration	Study Type	Test result	Protocol
.beta.-Alanine, N-(2-carboxyethyl)-N-(2-ethylhexyl)-, monosodium salt	94441-92-6	Experimental Biodegradation	28 days	CO2 evolution	92 %CO2 evolution/THCO2 evolution	OECD 301B - Modified sturm or CO2
.beta.-Alanine, N-(2-carboxyethyl)-N-(2-ethylhexyl)-, monosodium salt	94441-92-6	Experimental Biodegradation	63 days	Dissolv. Organic Carbon Deplet	95 %removal of DOC	OECD 303A - Simulated Aerobic
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., chlorides, sodium salts	61789-39-7	Data not available-insufficient	N/A	N/A	N/A	N/A
ETHOXYLATED TETRAMETHYL DECYNEDIOL	9014-85-1	Experimental Biodegradation	28 days	BOD	0-31 %BOD/ThOD	OECD 301D - Closed bottle test
Polymer with Oxirane	Trade Secret	Experimental Biodegradation	28 days	CO2 evolution	>60 %BOD/ThOD	OECD 301B - Modified sturm or CO2
TETRASODIUM SALT OF HYDROXYETHLYDENE	3794-83-0	Analogous Compound Biodegradation	28 days	CO2 evolution	<10 %CO2 evolution/THCO2 evolution	
TETRASODIUM SALT OF HYDROXYETHLYDENE	3794-83-0	Analogous Compound Biodegradation	28 days	CO2 evolution	3.5 %CO2 evolution/THCO2 evolution	
TETRASODIUM SALT OF HYDROXYETHLYDENE	3794-83-0	Analogous Compound Biodegradation - Anaerobic	28 days	Percent degraded	3.8 %degraded	
TETRASODIUM SALT OF HYDROXYETHLYDENE	3794-83-0	Analogous Compound Aquatic Inherent Biodegrad.	28 days	Dissolv. Organic Carbon Deplet	33 %removal of DOC	OECD 302B Zahn-Wellens/EVPA
TETRASODIUM SALT OF HYDROXYETHLYDENE	3794-83-0	Analogous Compound Photolysis		Photolytic half-life(in water)	92.3-116.3 hours (t 1/2)	
TETRASODIUM SALT OF HYDROXYETHLYDENE	3794-83-0	Analogous Compound Soil Inherent Biodegradability	119 days	CO2 evolution	28.2 %CO2 evolution/THCO2 evolution	

12.3 : Bioaccumulative potential

Material	CAS Nbr	Test type	Duration	Study Type	Test result	Protocol
.beta.-Alanine, N-(2-carboxyethyl)-N-(2-ethylhexyl)-, monosodium salt	94441-92-6	Experimental Bioconcentration		Log Kow	-1.5	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., chlorides, sodium salts	61789-39-7	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
ETHOXYLATED	9014-85-1	Estimated BCF -	28 days	Bioaccumulation	<24	

TETRAMETHYL DECYNEDIOL		Fish		factor		
Polymer with Oxirane	Trade Secret	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
TETRASODIUM SALT OF HYDROXYETHLYDENE	3794-83-0	Analogous Compound Bioconcentration	49 days	Bioaccumulation factor	<7	
TETRASODIUM SALT OF HYDROXYETHLYDENE	3794-83-0	Experimental Bioconcentration		Log Kow	-3.0	OECD 107 log Kow shke flsk mtd

12.4. Mobility in soil
Please contact manufacturer for more details

12.5 Other Adverse effects
No information available.

SECTION 13: Disposal considerations

13.1. Disposal methods
Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Incinerate in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. As a disposal alternative, utilize an acceptable permitted waste disposal facility. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

SECTION 14: Transport Information

Not hazardous for transportation.

Air Transport (IATA)Regulations

UN No Not applicable
Proper Shipping Name Not applicable
Hazard Classs/Division Not applicable
Subsidiary Risk Not applicable
Packing Group: Not applicable

Marine Transport (IMDG)
UN No Not applicable
Proper Shipping Name Not applicable
Hazard Classs/Division Not applicable
Subsidiary Risk Not applicable
Packing Group: Not applicable
Environmental Hazards: Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Global inventory status
Contact 3M for more information. The components of this product are in compliance with the new substance notification

requirements of CEPA.

Applicable Environmental, Health and Safety Regulations
The Manufacture, Storage and Import of Hazardous Chemical Rules, 1989
Hazardous Waste(Management , Handling & Transboundary) Rules, 2008
Hazardous Chemicals (Classification, Packaging and Labelling Draft Rules), 2011

The following ingredients are listed as hazardous on Part II of Schedule I of the India Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) rules
None.

The following ingredients are classified as hazardous based on the criteria listed under Part I of Schedule I of the India Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) rules:
The Product is classified as Non- Hazardous.

SECTION 16: Other information

NFPA Hazard Classification
Health: 3 **Flammability:** 1 **Instability:** 0 **Special Hazards:** None

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

Revision information:
Section 1: Product identification numbers information was modified.
Section 6: Accidental release personal information information was modified.
Section 7: Conditions safe storage information was modified.
Section 09: Vapor Density Value information was modified.

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