

# SAFETY DATA SHEET

## 1. Identification

Other means of identification     1148249       Chemical name     3-hydroxy-4[(4-methylphenyl)azo]-2-naphthalenecarboxylic acid       Recommended use     Specified quality tests and assay use only.       Recommended restrictions     Not for use as a drug. Not for administration to humans or animals.       Manufacturer/Importer/Supplier/Distributor information     Manufacturer       Company name     U.S. Pharmacopela       Address     12601 Twihorok Parkway       Recommended ise     Social States       Telephone     RS Technical Services     301-816-8129       Website     www.usp.org       E-mail     RSTECH@usp.org       Emergency phone number     CHEMTREC within US & 1-800-424-9300       Canada     CHEMTREC outside US & +1 703-527-3887       Canada     Canada       Physical hazards     Not classified.       Physical hazards     Not classified.       Physical hazards     Not classified.       Physical hazards     Not classified.       Signal word     None.       Signal word     Not available.       Precautionary statement     Not available.	Other means of identificationCatalog number1148249Chemical name3-hydroxy-4-[(4-methylphenyl)azo]-2-naphthalenecarboxylic acidRecommended useSpecified quality tests and assay use only.Recommended restrictionsNot for use as a drug. Not for administration to humans or animals.Manufacturer/Importer/Supplier/Distributor informationManufacturerCompany nameU. S. PharmacopeiaAddress12601 Twinbrook Parkway Rockville MD 20852-1790United States301-816-8129Websitewww.usp.orgEmergency phone numberCHEMTREC outside US & 1-800-424-9300 CanadaCanadaCHEMTREC outside US & 1-103-527-3887 Canada2. Hazard(s) identificationInformation on the chemical, physical, and toxicological properties of this m araitable. Individuals working with this chemical should consider it to be por even if its actual hazards may be uncharacterized or unknown.Physical hazardsNot classified.Heatrd (s) defined hazardsNot classified.Environmental hazardsNot classified.Information on the chemical, physical, and toxicological properties of this m araitable. Individuals working with this chemical should consider it to be por even if its actual hazards may be uncharacterized or unknown.Physical hazardsNot classified.Hazard symbolNone.Signal wordNore.Hazard statementNot available.PreventionNot available.RosponseNot available.JorageNot available.JorageNot available.	
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Chemical name         3-hydroxy-4-[(4-methylphenyl)azo]-2-naphthalenecarboxylic acid           Recommended use         Specified quality tests and assay use only.           Recommended restrictions         Not for use as a drug. Not for administration to humans or animals.           Manufacturer/Importer/Supplier/Distributor information	Chemical name       3-hydroxy-4-[(4-methylphenyl)azo]-2-naphthalenecarboxylic acid         Recommended use       Specified quality tests and assay use only.         Recommended restrictions       Not for use as a drug. Not for administration to humans or animals.         Manufacturer/Importer/Supplier/Distributor information       Manufacturer         Company name       U. S. Pharmacopeia         Address       12601 Twinbrook Parkway Rockville         MD       20852-1790         United States       301-816-8129         Website       www.usp.org         E-mail       RS Technical Services       301-816-8129         Website       www.usp.org         E-mail       RSTECH@usp.org         Emergency phone number       CHEMTREC within US & 1-800-424-9300         Canada       CHEMTREC outside US & +11 703-527-3887         Canada       CheMTREC outside US & +11 703-527-3887         Canada       CheMTREC within US & 1-800-424-9300         Chemical should consider it to be pole even if its actual hazards may be uncharacterized or unknown.         Note       Information on the chemical, physical, and toxicological properties of this m available. Individuals working with this chemical should consider it to be pole even if its actual hazards may be uncharacterized or unknown.         Physical hazards       Not classified.         Storage	
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Manufacturer/Importer/Supplier/Distributor Information         Manufacturer         Company name       U.S. Pharmacopeia         Address       12601 Twinbrook Parkway         Rockville       ND         MD       20852-1790         United States       301-816-8129         Telephone       RS Technical Services       301-816-8129         Website       www.usp.org       Emergency phone number       CHEMTREC within US & 1-800-424-9300         Canada       Canada       CHEMTREC outside US & ±1 703-527-3887         Z. Hazard(s) identification       Canada       Hazards         Note       Information on the chemical, physical, and toxicological properties of this material is not readi available. Individuals working with this chemical shuld consider it to be potentially hazardous even if its actual hazards may be uncharacterized or unknown.         Physical hazards       Not classified.         Environmental hazards       Not classified.         Environmental hazards       Not classified.         Signal word       None.         Signal word       Not available.         Precautionary statement       Not available.         Provention       Not available.         Storage       Not available.         Disposal       Not available.         Porscautio	Manufacturer/Importer/Supplier/Distributor information         Manufacturer         Company name       U. S. Pharmacopeia         Address       12601 Twinbrook Parkway         Rockville       MD         20852-1790       United States         United States       301-816-8129         Website       www.usp.org         E-mail       RSTECH@usp.org         Emergency phone number       CHEMTREC within US & 1-800-424-9300         Canada       CHEMTREC outside US & +1 703-527-3887         Canada       CHEMTREC outside US & +1 703-527-3887         Canada       CHEMTREC outside US & +1 703-527-3887         Canada       Chemata         Physical hazards       Not classified.         Hazard(s) identification       Hormation on the chemical, physical, and toxicological properties of this m available. Individuals working with this chemical should consider it to be poise even if its actual hazards may be uncharacterized or unknown.         Physical hazards       Not classified.         Boty defined hazards       Not classified.         Signal word       None.         Signal word       None.         Signal word       Not available.         Prevention       Not available.         Response       Not available.         Prevention	
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Company name Address       U. S. Pharmacopeia         Address       12601 Twinbrook Parkway Rockville MD         20852-1790 United States       301-816-8129         Website       Www.usp.org         E-mail       RSTECH@usp.org         Emergency phone number       CHEMTREC within US & 1-800-424-9300         Canada       Canada         2. Hazard(s) identification       Note         Note       Information on the chemical, physical, and toxicological properties of this material is not readi available. Individuals working with this chemical should consider it to be potentially hazardous even if its actual hazards may be uncharacterized or unknown.         Physical hazards       Not classified.         Composition Available.       Not classified.         Buyond       None.         Signal word       None.         Signal word       Not available.         Precautionary statement       Not available.         Precautionary statement <th>Company name       U. S. Pharmacopeia         Address       12601 Twinbrook Parkway         Rockville       MD         20852-1790       United States         Telephone       RS Technical Services       301-816-8129         Wobsite       www.usp.org         E-mail       RSTECH@usp.org         Emergency phone number       CHEMTREC within US &amp; 1-800-424-9300         Canada       CHEMTREC outside US &amp; +1 703-527-3887         Canada       Not classified.         Physical hazards       Not classified.         Hazards       Not classified.         Environmental hazards       Not classified.         Signal word       None.         Jagana word       None.         Hazard statement       Not available.</th> <th></th>	Company name       U. S. Pharmacopeia         Address       12601 Twinbrook Parkway         Rockville       MD         20852-1790       United States         Telephone       RS Technical Services       301-816-8129         Wobsite       www.usp.org         E-mail       RSTECH@usp.org         Emergency phone number       CHEMTREC within US & 1-800-424-9300         Canada       CHEMTREC outside US & +1 703-527-3887         Canada       Not classified.         Physical hazards       Not classified.         Hazards       Not classified.         Environmental hazards       Not classified.         Signal word       None.         Jagana word       None.         Hazard statement       Not available.	
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Website       www.usp.org         E-mail       RSTECH@usp.org         Emergency phone number       CHEMTREC within US & 1-800-424-9300         Canada       CHEMTREC cutside US & +1 703-527-3887         Canada       CHEMTREC within US & 1-703-527-3887         2. Hazard(s) identification       Information on the chemical, physical, and toxicological properties of this material is not readi available. Individuals working with this chemical should consider it to be potentially hazardous even if its actual hazards may be uncharacterized or unknown.         Physical hazards       Not classified.         Environmental hazards       Not classified.         Stape elements       None.         Hazard symbol       None.         Signal word       Not available.         Not available.       Not available.         Precautionary statement       Not available.         Precautionary statement       Not available.         Storage       Not available.         Disposal       Not available.         Azard(s) no otherwise classified.       Not classified.         Storage       Not available.         Breaction to otherwise classified.       Storage         Ot available.       Not available.         Breaction to otherwise classified.       Storage         Ot available.       N	Website       www.usp.org         E-mail       RSTECH@usp.org         Emergency phone number       CHEMTREC within US & 1-800-424-9300         Canada       CHEMTREC outside US & +1 703-527-3887         Canada       CHEMTREC outside US & +1 703-527-3887         Canada       Chemation on the chemical, physical, and toxicological properties of this m available. Individuals working with this chemical should consider it to be poise oven if its actual hazards may be uncharacterized or unknown.         Physical hazards       Not classified.         Health hazards       Not classified.         Environmental hazards       Not classified.         Vot classified.       Note.         Signal word       None.         Hazard symbol       None.         Hazard statement       Not available.         Prevention       Not available.         Response       Not available.         Not available.       Storage         Disposal       Not available.         Josposal       Not available.         Josposal       Not available.	
E-mail       RSTECH@usp.org         Emergency phone number       CHEMTREC within US & 1-800-424-9300 Canada CHEMTREC outside US & +1 703-527-3887 Canada         2. Hazard(s) identification       Information on the chemical, physical, and toxicological properties of this material is not readi available. Individuals working with this chemical should consider it to be potentially hazardous even if its actual hazards may be uncharacterized or unknown.         Physical hazards       Not classified.         Health hazards       Not classified.         Environmental hazards       Not classified.         Hazard symbol       None.         Hazard symbol       None.         Hazard statement       Not available.         Prevention       Not available.         Prevention       Not available.         Response       Not available.         Bignal word       Not available.         Prevention       Not available.         Response       Not available.         Bignal word       Not classified.         Response       Not available.         Bignal word       Not available.         Prevention       Not available.         Bignal word       Not classified.         Response       Not available.         Disposal       Not classified.	E-mail       RSTECH@usp.org         Emergency phone number       CHEMTREC within US & 1-800-424-9300         Canada       CHEMTREC outside US & +1 703-527-3887         Canada       CHEMTREC outside US & +1 703-527-3887         Canada       Information on the chemical, physical, and toxicological properties of this m available. Individuals working with this chemical should consider it to be point available. Individuals working with this chemical should consider it to be point it is actual hazards may be uncharacterized or unknown.         Physical hazards       Not classified.         Health hazards       Not classified.         Environmental hazards       Not classified.         Signal word       None.         Hazard statement       Not available.         Precautionary statement       Not available.         Prevention       Not available.         Response       Not available.         Storage       Not available.         Disposal       Not available.         Hazard(s) not otherwise       Not classified.	
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Canada       CHEMTREC outside US & +1 703-527-3887         Canada       Canada         2. Hazard(s) identification       Information on the chemical, physical, and toxicological properties of this material is not readi available. Individuals working with this chemical should consider it to be potentially hazardous even if its actual hazards may be uncharacterized or unknown.         Physical hazards       Not classified.         Environmental hazards       Not classified.         Environmental hazards       Not classified.         Label elements       None.         Hazard symbol       None.         Signal word       None.         Signal word       Not available.         Precautionary statement       Not available.         Prevention       Not available.         Storage       Not available.         Disposal       Not available.         Hazard(s) not otherwise       Not classified.         Carade       Not available.         Brazerd(s) not otherwise       Not classified.         Carade       None known.         Carade       None known.         Substance       None known.         Substance       Non-hazardous components         Chemical name       Common name and synonyms       CAS number       %	Canada CHEMTREC outside US & +1 703-527-3887 Canada         2. Hazard(s) identification         Note       Information on the chemical, physical, and toxicological properties of this m available. Individuals working with this chemical should consider it to be pole even if its actual hazards may be uncharacterized or unknown.         Physical hazards       Not classified.         Health hazards       Not classified.         Environmental hazards       Not classified.         OSHA defined hazards       Not classified.         Label elements       None.         Hazard symbol       None.         Signal word       Not available.         Precautionary statement       Not available.         Prevention       Not available.         Response       Not available.         Storage       Not available.         Disposal       Not classified.	
CHEMTREC outside US & +1 703-527-3887 Canada         2. Hazard(s) identification         Note       Information on the chemical, physical, and toxicological properties of this material is not readily available. Individuals working with this chemical should consider it to be potentially hazardous even if its actual hazards may be uncharacterized or unknown.         Physical hazards       Not classified.         Health hazards       Not classified.         Environmental hazards       Not classified.         OSHA defined hazards       Not classified.         Label elements       None.         Hazard symbol       None.         Signal word       Not available.         Precautionary statement       Not available.         Precoutionary statement       Not available.         Response       Not available.         Storage       Not available.         Disposal       Not available.         Hazard(s) not otherwise       Not classified.         Other hazards which do not no regredients       Not classified.         Substance       None known.         Substance       Substance         Non-hazardous components       Common name and synonyms       CAS number       %	CHEMTREC outside US & +1 703-527-3887         Canada         2. Hazard(s) identification         Note       Information on the chemical, physical, and toxicological properties of this m available. Individuals working with this chemical should consider it to be poleven if its actual hazards may be uncharacterized or unknown.         Physical hazards       Not classified.         Health hazards       Not classified.         Health hazards       Not classified.         Environmental hazards       Not classified.         OSHA defined hazards       Not classified.         Label elements       None.         Hazard symbol       None.         Signal word       None.         Precautionary statement       Not available.         Prevention       Not available.         Response       Not available.         Storage       Not available.         Disposal       Not available.         Hazard(s) not otherwise       Not available.	
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Health hazards       Not classified.         Environmental hazards       Not classified.         OSHA defined hazards       Not classified.         Label elements       Image: Common name and synonyms       CAS number         Hazard symbol       None.         Signal word       None.         Hazard statement       Not available.         Precautionary statement       Not available.         Prevention       Not available.         Response       Not available.         Storage       Not available.         Disposal       Not classified.         classified (HNOC)       None known.         Other hazards which do not result in classification       None known.         Stostance       Common name and synonyms       CAS number       %	Health hazardsNot classified.Environmental hazardsNot classified.OSHA defined hazardsNot classified.Label elementsNone.Hazard symbolNone.Signal wordNone.Hazard statementNot available.Precautionary statementNot available.PreventionNot available.ResponseNot available.StorageNot available.DisposalNot available.Hazard(s) not otherwiseNot classified.	aterial is not read entially hazardou
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Chemical name Common name and synonyms CAS number %	Non-hazardous components	
Color Related Compound 006         82896-77-3         100	•	%
	Color Related Compound 006 82896-77-3	100

## 4. First-aid measures

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

Skin contact	Rinse skin with water/shower. Get medical attention if irritation develops and persists.
Eye contact	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.
Most important symptoms/effects, acute and delayed	Not available.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically.
General information	Remove from exposure. Remove contaminated clothing. For treatment advice, seek guidance from an occupational health physician or other licensed health-care provider familiar with workplace chemical exposures. In the United States, the national poison control center phone number is 1-800-222-1222. If person is not breathing, give artificial respiration. If breathing is difficult, give oxygen if available. Persons developing serious hypersensitivity (anaphylactic) reactions must receive immediate medical attention.
5. Fire-fighting measures	
Suitable extinguishing media	Use fire-extinguishing media appropriate for surrounding materials. Water. Foam. Dry chemical or CO2.
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	No unusual fire or explosion hazards noted.
Special protective equipment and precautions for firefighters	Wear suitable protective equipment.
Fire-fighting equipment/instructions	Use water spray to cool unopened containers. As with all fires, evacuate personnel to a safe area. Firefighters should use self-contained breathing equipment and protective clothing.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
6. Accidental release meas	sures
Personal precautions,	Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Avoid inhalation of dust from

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Avoid inhalation of dust from the spilled material. Wear appropriate personal protective equipment.
Methods and materials for containment and cleaning up	Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid the generation of dusts during clean-up. For waste disposal, see section 13 of the SDS. Clean surface thoroughly to remove residual contamination.

# 7. Handling and storage

Precautions for safe handling	As a general rule, when handling USP Reference Standards, avoid all contact and inhalation of dust, mists, and/or vapors associated with the material. Clean equipment and work surfaces with suitable detergent or solvent after use. After removing gloves, wash hands and other exposed skin thoroughly.
Conditions for safe storage, including any incompatibilities	Store in tight container as defined in the USP-NF. This material should be handled and stored per label instructions to ensure product integrity.

## 8. Exposure controls/personal protection

•• =•••••••••••••••••••••••••••	
Biological limit values	No biological exposure limits noted for the ingredient(s).
Exposure guidelines	No exposure standards allocated.
Appropriate engineering controls	Airborne exposure should be controlled primarily by engineering controls such as general dilution ventilation, local exhaust ventilation, or process enclosure. Local exhaust ventilation is generally preferred to general exhaust because it can control the contaminant at its source, preventing dispersion into the work area. An industrial hygiene survey involving air monitoring may be used to determine the effectiveness of engineering controls. Effectiveness of engineering controls intended for use with highly potent materials should be assessed by use of nontoxic surrogate materials. Local exhaust ventilation such as a laboratory fume hood or other vented enclosure is recommended, particularly for grinding, crushing, weighing, or other dust-generating procedures.
Individual protection measures,	such as personal protective equipment
Eye/face protection	Safety glasses with sideshields are recommended. Face shields or goggles may be required if splash potential exists or if corrosive materials are present. Approved eye protection (e.g., bearing the ANSI Z87 or CSA stamp) is preferred. Maintain eyewash facilities in the work area.
Skin protection	
Hand protection	Chemically compatible gloves. For handling solutions, ensure that the glove material is protective against the solvent being used. Use handling practices that minimize direct hand contact. Employees who are sensitive to natural rubber (latex) should use nitrile or other synthetic nonlatex gloves. Use of powdered latex gloves should be avoided due to the risk of latex allergy.

Other	For handling of laboratory scale quantities, a cloth lab coat is recommended. Where significant quantities are handled, work clothing may be necessary to prevent take-home contamination.
Respiratory protection	Where respirators are deemed necessary to reduce or control occupational exposures, use NIOSH-approved respiratory protection and have an effective respirator program in place (applicable U.S. regulation OSHA 29 CFR 1910.134).
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and chemical properties

-	-
Appearance	Red solid.
Physical state	Solid.
Form	Solid.
Odor	Not available.
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or expl	osive limits
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility in water	Soluble.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Molecular formula	C18H14N2O3
Molecular weight	306.32
Solubility (other)	Soluble in isopropanol.
10. Stability and reactivity	

Reactivity	Not available.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	None known.
Incompatible materials	None known.
Hazardous decomposition products	NOx. Irritating and/or toxic fumes or gases. Emits toxic fumes under fire conditions.

# 11. Toxicological information

#### Information on likely routes of exposure

Ingestion	Due to lack of data the classification is not possible.
Inhalation	Due to lack of data the classification is not possible.
Skin contact	Due to lack of data the classification is not possible.
Eye contact	Due to lack of data the classification is not possible.

Symptoms related to the physical, chemical, and toxicological characteristics	Not available.
Acute toxicity	Not available.
Skin corrosion/irritation	Due to lack of data the classification is not possible.
Serious eye damage/eye irritation	Due to lack of data the classification is not possible.
Respiratory or skin sensitizatior	1
<b>Respiratory sensitization</b>	Due to lack of data the classification is not possible.
Skin sensitization	Due to lack of data the classification is not possible.
Germ cell mutagenicity	Due to lack of data the classification is not possible.
Carcinogenicity	Due to lack of data the classification is not possible. This material is not considered to be a carcinogen by IARC, NTP, or OSHA.
Reproductive toxicity	Due to lack of data the classification is not possible.
Specific target organ toxicity - single exposure	Due to lack of data the classification is not possible.
Specific target organ toxicity - repeated exposure	Due to lack of data the classification is not possible.
Aspiration hazard	Based on available data, the classification criteria are not met.
12. Ecological information	
Ecotoxicity	No ecotoxicity data noted for the ingredient(s).

Ecoloxicity	No ecoloxicity data noted for the ingredient(s).
Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	Not available.
Mobility in soil	Not available.
Other adverse effects	Not available.

### 13. Disposal considerations

Disposal instructions	Dispose in accordance with all applicable regulations. Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.
Local disposal regulations	Not available.
Hazardous waste code	Not regulated.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

### 14. Transport information

#### DOT

Not regulated as dangerous goods.

#### ΙΑΤΑ

Not regulated as dangerous goods.

Transport in bulk according to Not available. Annex II of MARPOL 73/78 and the IBC Code

#### 15. Regulatory information

One or more components are not listed on TSCA.

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No

#### SARA 302 Extremely hazardous substance

Not listed.

**Hazard categories** 

SARA 311/312 Hazardous chemical	No	
SARA 313 (TRI reporting) Not regulated.		
Other federal regulations		
Safe Drinking Water Act (SDWA)	Not regulated.	
Food and Drug Administration (FDA)	Not regulated.	
US state regulations	California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.	
US. California Proposition 6 Not Listed.	5	
International Inventories		
Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No

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

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

Issue date	08-21-2015
Revision date	09-04-2015
Version #	02
Further information	Not available.
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