SAFETY DATA SHEET

1. Identification

Product identifier NARPHOS 85 MORTAR (WET)

Other means of identification

Brand Code 8060, 8179

Recommended use For Industrial Use Only

Users should be informed of the potential presence of respirable dust and respirable crystalline Recommended restrictions

silica as well as their potential hazards. Appropriate training in the proper use and handling of this

material should be provided as required under applicable regulations.

Manufacturer/Supplier information

Manufacturer

HarbisonWalker International Company name

Address 1305 Cherrington Parkway, Suite 100

Moon Township, Pennsylvania 15108 US

Telephone General Phone: 412-375-6600

www.thinkHWI.com Website

Emergency phone number CHEMTREC 24 HOUR 1-800-424-9300

EMERGENCY #

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Skin corrosion/irritation Category 2

> Serious eye damage/eye irritation Category 1 Category 1A Carcinogenicity

Environmental hazards Not classified. **OSHA** defined hazards Not classified.

Label elements





Signal word Danger

Hazard statement Causes skin irritation. Causes serious eye damage. May cause cancer.

Precautionary statement

Prevention Obtain special instructions before use. Do not handle until all safety precautions have been read

and understood. Wash thoroughly after handling. Wear protective gloves. Wear eye/face

protection. Wear protective gloves/protective clothing/eye protection.

If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes. Response

Remove contact lenses, if present and easy to do. Continue rinsing. If concerned: Get medical advice/attention. Immediately call a poison center/doctor. If skin irritation occurs: Get medical

advice/attention. Take off contaminated clothing and wash before reuse.

Storage Store locked up.

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

Hazard(s) not otherwise

classified (HNOC)

None known.

Supplemental information Users should be informed of the potential presence of respirable dust and respirable crystalline

silica as well as their potential hazards. Overexposure to the respirable dust of crystalline silica (quartz or cristobalite, less than or equal to 5 microns in size) may lead to silicosis in humans, which is a progressive and irreversible lung disease. Appropriate training in the proper use and

handling of this material should be provided as required under applicable regulations.

Material name: NARPHOS 85 MORTAR (WET)

SDS US 8060, 8179 Version #: 02 Revision date: 02-25-2016 Issue date: 03-12-2015

3. Composition/information on ingredients

Mixtures

| Chemical name | Common name and synonyms | CAS number | % |
|-----------------------------|---|------------|----------|
| Aluminium Oxide (Non-Fibrou | s) | 1344-28-1 | 60 - 80 |
| Aluminium Sulphate | | 10043-01-3 | 2.5 - 10 |
| Amorphous Silica | SILICA, AMORPHOUS, FUMED SILICA (CRYSTALLINE FREE) | 7631-86-9 | 2.5 - 10 |
| Kaolin | | 1332-58-7 | 2.5 - 10 |
| Diiron Trioxide | | 1309-37-1 | 1 - 2.5 |
| Quartz (SiO2) | | 14808-60-7 | 1 - 2.5 |
| Titanium Dioxide | | 13463-67-7 | 1 - 2.5 |
| Cristobalite | | 14464-46-1 | 0.1 - 1 |
| Other components below repo | ortable levels | | 10 - 20 |

^{*}Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

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

Symptoms may be delayed.

Skin contact Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get

medical advice/attention. Wash contaminated clothing before reuse.

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if

present and easy to do. Continue rinsing. Get medical attention immediately.

Ingestion Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and

symptoms/effects, acute and delayed

and pain.

Provide general supportive measures and treat symptomatically. Keep victim under observation.

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness

Indication of immediate medical attention and special treatment needed

If concerned: Get medical advice. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media

Unsuitable extinguishing

General information

media

Specific hazards arising from the chemical

Special protective equipment and precautions for firefighters

Use fire-extinguishing media appropriate for surrounding materials.

Not available.

Not applicable.

Not available.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep formation of airborne dusts to a minimum. Provide appropriate exhaust ventilation at places where dust is formed. Do not breathe dust. Do not breathe dust. Do not get this material in contact with eyes. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store locked up. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

| Components | taminants (29 CFR 1910.1000) Type | Value | Form |
|---|---|---|--|
| Aluminium Oxide (Non-Fibrous) (CAS 1344-28-1) | PEL | 5 mg/m3 | Respirable fraction. |
| | | 15 mg/m3 | Total dust. |
| Diiron Trioxide (CAS 1309-37-1) | PEL | 10 mg/m3 | Fume. |
| Kaolin (CAS 1332-58-7) | PEL | 5 mg/m3 15 mg/m3 | Respirable fraction. Total dust. |
| Titanium Dioxide (CAS 13463-67-7) | PEL | 15 mg/m3 | Total dust. |
| US. OSHA Table Z-3 (29 CFR 1910.1000 | 0) | | |
| Components | Туре | Value | Form |
| Amorphous Silica (CAS 7631-86-9) | TWA | 0.8 mg/m3 | |
| , | | 20 mppcf | |
| Cristobalite (CAS 14464-46-1) | TWA | 0.15 mg/m3 | Total dust. |
| , | | 0.05 mg/m3 | Respirable. |
| | | 1.2 mppcf | Respirable. |
| Quartz (SiO2) (CAS 14808-60-7) | TWA | 0.3 mg/m3 | Total dust. |
| • | | 0.1 mg/m3 | Respirable. |
| | | 2.4 mnncf | Resnirable |
| US ACCIU Threehold Limit Voluse | | 2.4 mppcf | Respirable. |
| US. ACGIH Threshold Limit Values Components | Туре | 2.4 mppcf Value | Respirable. |
| Components Aluminium Oxide (Non-Fibrous) (CAS | Type TWA | | · |
| Components Aluminium Oxide (Non-Fibrous) (CAS 1344-28-1) Aluminium Sulphate (CAS | | Value | Form |
| Components Aluminium Oxide (Non-Fibrous) (CAS 1344-28-1) Aluminium Sulphate (CAS 10043-01-3) Cristobalite (CAS | TWA | Value 1 mg/m3 | Form Respirable fraction. |
| Components Aluminium Oxide (Non-Fibrous) (CAS 1344-28-1) Aluminium Sulphate (CAS 10043-01-3) Cristobalite (CAS 14464-46-1) Diiron Trioxide (CAS | TWA | Value 1 mg/m3 1 mg/m3 | Form Respirable fraction. Respirable fraction. |
| Components Aluminium Oxide (Non-Fibrous) (CAS 1344-28-1) Aluminium Sulphate (CAS 10043-01-3) Cristobalite (CAS 14464-46-1) Diiron Trioxide (CAS 1309-37-1) | TWA TWA | Value 1 mg/m3 1 mg/m3 0.025 mg/m3 | Form Respirable fraction. Respirable fraction. |
| Components Aluminium Oxide (Non-Fibrous) (CAS 1344-28-1) Aluminium Sulphate (CAS 10043-01-3) Cristobalite (CAS 14464-46-1) Diiron Trioxide (CAS 1309-37-1) Kaolin (CAS 1332-58-7) Quartz (SiO2) (CAS | TWA TWA TWA | Value 1 mg/m3 1 mg/m3 0.025 mg/m3 5 mg/m3 | Respirable fraction. Respirable fraction. Respirable fraction. Respirable fraction. |
| Components Aluminium Oxide (Non-Fibrous) (CAS 1344-28-1) Aluminium Sulphate (CAS 10043-01-3) Cristobalite (CAS 14464-46-1) Diiron Trioxide (CAS 1309-37-1) Kaolin (CAS 1332-58-7) | TWA TWA TWA TWA TWA | Value 1 mg/m3 1 mg/m3 0.025 mg/m3 5 mg/m3 2 mg/m3 | Form Respirable fraction. Respirable fraction. Respirable fraction. Respirable fraction. Respirable fraction. |
| Components Aluminium Oxide (Non-Fibrous) (CAS 1344-28-1) Aluminium Sulphate (CAS 10043-01-3) Cristobalite (CAS 14464-46-1) Diiron Trioxide (CAS 1309-37-1) Kaolin (CAS 1332-58-7) Quartz (SiO2) (CAS 14808-60-7) Titanium Dioxide (CAS 13463-67-7) | TWA TWA TWA TWA TWA TWA TWA TWA | Value 1 mg/m3 1 mg/m3 0.025 mg/m3 5 mg/m3 2 mg/m3 0.025 mg/m3 | Form Respirable fraction. Respirable fraction. Respirable fraction. Respirable fraction. Respirable fraction. |
| Components Aluminium Oxide (Non-Fibrous) (CAS 1344-28-1) Aluminium Sulphate (CAS 10043-01-3) Cristobalite (CAS 14464-46-1) Diiron Trioxide (CAS 1309-37-1) Kaolin (CAS 1332-58-7) Quartz (SiO2) (CAS 14808-60-7) Titanium Dioxide (CAS 13463-67-7) US. NIOSH: Pocket Guide to Chemical | TWA TWA TWA TWA TWA TWA TWA TWA | Value 1 mg/m3 1 mg/m3 0.025 mg/m3 5 mg/m3 2 mg/m3 0.025 mg/m3 | Form Respirable fraction. Respirable fraction. Respirable fraction. Respirable fraction. Respirable fraction. |
| Components Aluminium Oxide (Non-Fibrous) (CAS 1344-28-1) Aluminium Sulphate (CAS 10043-01-3) Cristobalite (CAS 14464-46-1) Diiron Trioxide (CAS 1309-37-1) Kaolin (CAS 1332-58-7) Quartz (SiO2) (CAS 14808-60-7) Titanium Dioxide (CAS | TWA TWA TWA TWA TWA TWA TWA TWA TWA | Value 1 mg/m3 1 mg/m3 0.025 mg/m3 5 mg/m3 0.025 mg/m3 10 mg/m3 | Respirable fraction. Respirable fraction. Respirable fraction. Respirable fraction. Respirable fraction. Respirable fraction. |
| Components Aluminium Oxide (Non-Fibrous) (CAS 1344-28-1) Aluminium Sulphate (CAS 10043-01-3) Cristobalite (CAS 14464-46-1) Diiron Trioxide (CAS 1309-37-1) Kaolin (CAS 1332-58-7) Quartz (SiO2) (CAS 14808-60-7) Titanium Dioxide (CAS 13463-67-7) US. NIOSH: Pocket Guide to Chemical Components Aluminium Sulphate (CAS | TWA | Value 1 mg/m3 1 mg/m3 0.025 mg/m3 5 mg/m3 2 mg/m3 0.025 mg/m3 10 mg/m3 | Respirable fraction. Respirable fraction. Respirable fraction. Respirable fraction. Respirable fraction. Respirable fraction. |

| Components | Туре | Value | Form |
|-----------------------------------|------|--------------|--------------------|
| | | 3 fibers/cm3 | Dust. |
| | | 5 mg/m3 | Fiber, total |
| | | 5 mg/m3 | fibers, total dust |
| Diiron Trioxide (CAS 1309-37-1) | TWA | 5 mg/m3 | Dust and fume. |
| Kaolin (CAS 1332-58-7) | TWA | 5 mg/m3 | Respirable. |
| | | 10 mg/m3 | Total |
| Quartz (SiO2) (CAS 14808-60-7) | TWA | 0.05 mg/m3 | Respirable dust. |

Biological limit values No biological exposure limits noted for the ingredient(s).

Exposure quidelines Occupational exposure to nuisance dust (total and respirable) and respirable crystalline silica

should be monitored and controlled.

Appropriate engineering

controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles) and a face shield.

Skin protection

Hand protection Wear appropriate chemical resistant gloves.

Other Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

exceeding the exposure limits.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.









General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state Solid. Solid Paste. **Form** Color Not available. Not available. Odor **Odor threshold** Not available. Not available. Melting point/freezing point Not available. Initial boiling point and boiling Not available. range Not available. Flash point Not available. **Evaporation rate** Flammability (solid, gas) Not available. Upper/lower flammability or explosive limits Flammability limit - lower Not available. (%) Flammability limit - upper Not available. (%)

Explosive limit - lower (%)

Not available.

Explosive limit - upper (%)Not available.Vapor pressureNot available.Vapor densityNot available.Relative densityNot available.

Solubility(ies)

Solubility (water) Not available.

Partition coefficient Not available.

(n-octanol/water)

Auto-ignition temperatureNot available.Decomposition temperatureNot available.ViscosityNot available.

10. Stability and reactivity

ReactivityThe product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability

Material is stable under normal conditions.

Possibility of hazardous

Hazardous polymerization does not occur.

reactions

Conditions to avoid Contact with incompatible materials.

Incompatible materials Acids. Chlorine.

Incompatibility is based strictly upon potential theoretical reactions between chemicals and may

not be specific to industrial application exposure. Contact your sales representative for

clarification.

Hazardous decomposition

products

No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation Prolonged inhalation may be harmful.

Skin contact Causes skin irritation.

Eye contact Causes serious eye damage.

Ingestion Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause

redness and pain.

Information on toxicological effects

Acute toxicity Not available.

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye Causes serious eye damage.

irritation

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicity

No data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Material name: NARPHOS 85 MORTAR (WET)

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Carcinogenicity

In 1997, IARC (the International Agency for Research on Cancer) concluded that crystalline silica inhaled from occupational sources can cause lung cancer in humans. However in making the overall evaluation, IARC noted that "carcinogenicity was not detected in all industrial circumstances studied. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs." (IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans, Silica, silicates dust and organic fibres, 1997, Vol. 68, IARC, Lyon, France.) In June 2003, SCOEL (the EU Scientific Committee on Occupational Exposure Limits) concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis. "There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore, preventing the onset of silicosis will also reduce the cancer risk..." (SCOEL SUM Doc 94-final, June 2003) According to the current state of the art, worker protection against silicosis can be consistently assured by respecting the existing regulatory occupational exposure limits. May cause cancer. Occupational exposure to respirable dust and respirable crystalline silica should be monitored and controlled.

IARC Monographs. Overall Evaluation of Carcinogenicity

Amorphous Silica (CAS 7631-86-9) 3 Not classifiable as to carcinogenicity to humans.

Cristobalite (CAS 14464-46-1) 1 Carcinogenic to humans.

Diiron Trioxide (CAS 1309-37-1)

3 Not classifiable as to carcinogenicity to humans.

Quartz (SiO2) (CAS 14808-60-7) 1 Carcinogenic to humans.

Titanium Dioxide (CAS 13463-67-7) 2B Possibly carcinogenic to humans.

US. National Toxicology Program (NTP) Report on Carcinogens

Cristobalite (CAS 14464-46-1) Known To Be Human Carcinogen.

Reasonably Anticipated to be a Human Carcinogen.

Quartz (SiO2) (CAS 14808-60-7) Known To Be Human Carcinogen.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicityThis product is not expected to cause reproductive or developmental effects.

Developmental effects

Quartz (SiO2) 0

Developmental effects - EU category

Quartz (SiO2)

Embryotoxicity

Quartz (SiO2) 0

Reproductivity

Quartz (SiO2) 0

Specific target organ toxicity -

single exposure

Not classified.

Specific target organ toxicity -

repeated exposure

Not classified.

Aspiration hazard Not an aspiration hazard.

Chronic effects Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

12. Ecological information

EcotoxicityThe product is not classified as environmentally hazardous. However, this does not exclude the

possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential No data available.

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions This product, in its present state, when discarded or disposed of, is not a hazardous waste

according to Federal regulations (40 CFR 261.4 (b)(4)). 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.

Hazardous waste codeSince this product is used in several industries, no Waste Code can be provided by the supplier.

The Waste Code should be determined in arrangement with your waste disposal partner or the

responsible authority.

Waste from residues / unused

products

Not available.

Contaminated packaging

Not available.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to

Not applicable.

Annex II of MARPOL 73/78 and

the IBC Code

15. Regulatory information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All chemical substances in this product are listed on the TSCA chemical substance inventory where required.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Aluminium Sulphate (CAS 10043-01-3)

Listed.

SARA 304 Emergency release notification

Not regulated.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Immediate Hazard - Yes **Hazard categories**

Delayed Hazard - Yes Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous Nο

chemical

SARA 313 (TRI reporting)

| Chemical name | CAS number | % by wt. |
|-------------------------------|------------|----------|
| Aluminium Oxide (Non-Fibrous) | 1344-28-1 | 60 - 80 |

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act

Not regulated.

(SDWA)

US state regulations

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed.

US. Massachusetts RTK - Substance List

Aluminium Oxide (Non-Fibrous) (CAS 1344-28-1)

Aluminium Sulphate (CAS 10043-01-3)

Amorphous Silica (CAS 7631-86-9)

Cristobalite (CAS 14464-46-1)

Diiron Trioxide (CAS 1309-37-1)

Kaolin (CAS 1332-58-7)

Quartz (SiO2) (CAS 14808-60-7)

Titanium Dioxide (CAS 13463-67-7)

US. New Jersey Worker and Community Right-to-Know Act

Aluminium Oxide (Non-Fibrous) (CAS 1344-28-1)

Aluminium Sulphate (CAS 10043-01-3) Amorphous Silica (CAS 7631-86-9) Cristobalite (CAS 14464-46-1) Diiron Trioxide (CAS 1309-37-1)

Kaolin (CAS 1332-58-7)

Quartz (SiO2) (CAS 14808-60-7) Titanium Dioxide (CAS 13463-67-7)

US. Pennsylvania Worker and Community Right-to-Know Law

Aluminium Oxide (Non-Fibrous) (CAS 1344-28-1)

Aluminium Sulphate (CAS 10043-01-3) Amorphous Silica (CAS 7631-86-9) Cristobalite (CAS 14464-46-1) Diiron Trioxide (CAS 1309-37-1) Kaolin (CAS 1332-58-7)

Quartz (SiO2) (CAS 14808-60-7) Titanium Dioxide (CAS 13463-67-7)

US. Rhode Island RTK

Aluminium Oxide (Non-Fibrous) (CAS 1344-28-1)

Aluminium Sulphate (CAS 10043-01-3)

US. California Proposition 65

This product contains a chemical known to the State of California to cause cancer.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Inventory name

Quartz (SiO2) (CAS 14808-60-7) Listed: October 1, 1988 Sodium 2-Biphenylate (CAS 132-27-4) Listed: January 1, 1990 Titanium Dioxide (CAS 13463-67-7) Listed: September 2, 2011

Domestic Substances List (DSL)

Australian Inventory of Chemical Substances (AICS)

International Inventories

Australia

Canada

Country(s) or region

| Canada | Non-Domestic Substances List (NDSL) | No |
|-------------|--|-----|
| China | Inventory of Existing Chemical Substances in China (IECSC) | Yes |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | No |
| Korea | Existing Chemicals List (ECL) | Yes |
| New Zealand | New Zealand Inventory | Yes |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes |

^{*}A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) 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).

Toxic Substances Control Act (TSCA) Inventory

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

Issue date 03-12-2015 **Revision date** 02-25-2016

Version # 02

United States & Puerto Rico

This information is based on our present knowledge on creation date. However, this shall not Disclaimer

constitute a guarantee for any specific product features and shall not establish a legally valid

contractual relationship.

Hazard(s) identification: Supplemental information **Revision Information**

Toxicological Information: Toxicological Data Disposal considerations: Hazardous waste code Regulatory information: California Prop 65 Regulatory information: US state regulations

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On inventory (yes/no)*

Yes

Yes

Yes