

SAFETY DATA SHEET

1. Identification

Product identifier Therm-Chek® 1238

Other means of identification

Product code 1035468, 1035469

Recommended use Polymer.

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name Valtris Specialty Chemicals
Address 7050 Krick Road
 Walton Hills, OH 44146
 United States
Telephone Customer Service (216) 875-7284
E-mail Not available.
Contact person Valtris Technical Center
Emergency phone number CHEMTREC: 1-800-424-9300

2. Hazard(s) identification

| | | |
|------------------------------|--|-------------|
| Physical hazards | Flammable liquids | Category 3 |
| Health hazards | Acute toxicity, oral | Category 4 |
| | Acute toxicity, dermal | Category 4 |
| | Acute toxicity, inhalation | Category 4 |
| | Skin corrosion/irritation | Category 2 |
| | Serious eye damage/eye irritation | Category 2 |
| | Germ cell mutagenicity | Category 1B |
| | Carcinogenicity | Category 1A |
| | Reproductive toxicity | Category 2 |
| Environmental hazards | Specific target organ toxicity, repeated exposure | Category 2 |
| | Hazardous to the aquatic environment, acute hazard | Category 1 |
| OSHA defined hazards | Hazardous to the aquatic environment, long-term hazard | Category 2 |
| | Not classified. | |

Label elements



Signal word Danger

Hazard statement Flammable liquid and vapor. Harmful if swallowed. Harmful in contact with skin. Causes skin irritation. Causes serious eye irritation. Harmful if inhaled. May cause genetic defects. May cause cancer. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

Precautionary statement

Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear eye protection/face protection. Wear protective gloves/protective clothing/eye protection/face protection.

Response

If swallowed: Call a poison center/doctor if you feel unwell. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Rinse mouth. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. In case of fire: Use appropriate media to extinguish. Collect spillage.

Storage

Store in a well-ventilated place. Keep cool. Store locked up.

Disposal

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

Hazard(s) not otherwise classified (HNOC)

None known.

Supplemental information

48.04% of the mixture consists of component(s) of unknown acute oral toxicity. 64.53% of the mixture consists of component(s) of unknown acute dermal toxicity. 67.01% of the mixture consists of component(s) of unknown acute inhalation toxicity. 73.47% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 73.47% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

3. Composition/information on ingredients

Mixtures

| Chemical name | Common name and synonyms | CAS number | % |
|-------------------|--------------------------|--------------|-----------|
| Barium compounds | | * | 10 - < 20 |
| TRADE SECRET* | | Proprietary* | 10 - < 20 |
| Cadmium compounds | | * | 10 - < 15 |
| TRADE SECRET* | | Proprietary* | 5 - < 10 |
| TRADE SECRET* | | Proprietary* | 5 - < 10 |
| TRADE SECRET* | | Proprietary* | 3 - < 5 |
| TRADE SECRET* | | Proprietary* | 3 - < 5 |
| Glycol ether | | * | 1 - < 3 |
| TRADE SECRET* | | Proprietary* | 1 - < 3 |
| TRADE SECRET* | | Proprietary* | 1 - < 3 |
| TRADE SECRET* | | Proprietary* | 1 - < 3 |

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

4. First-aid measures

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin contact

Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical advice/attention if you feel unwell. 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 if irritation develops and persists.

Ingestion

Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell.

Most important symptoms/effects, acute and delayed

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.

| | |
|---|---|
| Indication of immediate medical attention and special treatment needed | Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed. |
| General information | Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse. |
| 5. Fire-fighting measures | |
| Suitable extinguishing media | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂). |
| Unsuitable extinguishing media | Do not use water jet as an extinguisher, as this will spread the fire. |
| Specific hazards arising from the chemical | Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed. |
| Special protective equipment and precautions for firefighters | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| Fire fighting equipment/instructions | In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. |
| Specific methods | Use standard firefighting procedures and consider the hazards of other involved materials. |
| General fire hazards | Flammable liquid and vapor. |
| 6. Accidental release measures | |
| Personal precautions, protective equipment and emergency procedures | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. 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 | Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material. The product is immiscible with water and will spread on the water surface. 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. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Prevent product from entering drains. Following product recovery, flush area with water. Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. 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 release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases. |
| 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. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not breathe mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Do not taste or swallow. When using, do not eat, drink or smoke. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Wash contaminated clothing before reuse. Observe good industrial hygiene practices. |

Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection**Occupational exposure limits****US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

| Components | Type | Value |
|-------------------|------|-------------|
| Cadmium compounds | TWA | 0.005 mg/m3 |

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components | Type | Value | Form |
|------------------|------|------------|-------|
| Barium compounds | PEL | 0.5 mg/m3 | |
| TRADE SECRET | PEL | 5 mg/m3 | Mist. |
| | | 2900 mg/m3 | |
| | | 2000 mg/m3 | |
| | | 500 ppm | |
| | | 500 ppm | |

US. ACGIH Threshold Limit Values

| Components | Type | Value | Form |
|-------------------|------|-------------|-------------------------------|
| Barium compounds | TWA | 0.5 mg/m3 | |
| Cadmium compounds | TWA | 0.01 mg/m3 | |
| | | 0.002 mg/m3 | Respirable fraction. |
| Glycol ether | TWA | 10 ppm | Inhalable fraction and vapor. |
| TRADE SECRET | TWA | 5 mg/m3 | Inhalable fraction. |
| | | 5 mg/m3 | Inhalable fraction and vapor. |
| | | 25 ppm | |
| | | 100 ppm | |

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Type | Value | Form |
|------------------|---------|------------|-------|
| Barium compounds | TWA | 0.5 mg/m3 | |
| TRADE SECRET | Ceiling | 1800 mg/m3 | |
| | | 1800 mg/m3 | |
| | STEL | 10 mg/m3 | Mist. |
| | TWA | 350 mg/m3 | |
| | | 125 mg/m3 | |
| | | 100 mg/m3 | |
| | | 25 ppm | |

US. Workplace Environmental Exposure Level (WEEL) Guides

| Components | Type | Value |
|--------------|------|------------|
| TRADE SECRET | TWA | 44.2 mg/m3 |
| | | 10 ppm |

Biological limit values**ACGIH Biological Exposure Indices**

| Components | Value | Determinant | Specimen | Sampling Time |
|-------------------|--------|-------------|---------------------|---------------|
| Cadmium compounds | 5 µg/g | Cadmium | Creatinine in urine | * |
| | 5 µg/l | Cadmium | Blood | * |

* - For sampling details, please see the source document.

Appropriate engineering controls

Explosion-proof general and local exhaust ventilation. 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 | Chemical respirator with organic vapor cartridge and full facepiece. |
| Skin protection | |
| Hand protection | Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier. |
| Other | Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended. |
| Respiratory protection | Chemical respirator with organic vapor cartridge and full facepiece. |
| Thermal hazards | Wear appropriate thermal protective clothing, when necessary. |
| General hygiene considerations | When using do not smoke. Keep away from food and drink. 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 | Liquid. |
| Form | Liquid. |
| Color | Amber |
| Odor | Solvent. |
| Odor threshold | Not available. |
| pH | Not available. |
| Melting point/freezing point | -94 °F (-70 °C) estimated |
| Initial boiling point and boiling range | 302 °F (150 °C) estimated |
| Flash point | 140.0 °F (60.0 °C) estimated |
| Evaporation rate | Not available. |
| Flammability (solid, gas) | Not applicable. |

Upper/lower flammability or explosive limits

| | |
|--|------------------------------|
| Flammability limit - lower (%) | 0.9 % estimated |
| Flammability limit - upper (%) | 6 % estimated |
| Explosive limit - lower (%) | Not available. |
| Explosive limit - upper (%) | Not available. |
| Vapor pressure | 0.22 hPa estimated |
| Vapor density | Not available. |
| Relative density | Not available. |
| Solubility(ies) | |
| Solubility (water) | Insoluble |
| Partition coefficient (n-octanol/water) | Not available. |
| Auto-ignition temperature | 450 °F (232.22 °C) estimated |
| Decomposition temperature | Not available. |
| Viscosity | Not available. |

Other information

| | |
|-----------------------------|----------------------------------|
| Density | 0.97 g/cm ³ estimated |
| Explosive properties | Not explosive. |
| Flammability class | Combustible IIIA estimated |
| Oxidizing properties | Not oxidizing. |
| Percent volatile | 5.43 % estimated |
| VOC (Weight %) | 5.62 % estimated |

10. Stability and reactivity

| | |
|---|--|
| Reactivity | The 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 reactions | Hazardous polymerization does not occur. |
| Conditions to avoid | Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials. |
| Incompatible materials | Strong oxidizing agents. |
| Hazardous decomposition products | No hazardous decomposition products are known. |

11. Toxicological information

Information on likely routes of exposure

| | |
|---------------------|--|
| Inhalation | Harmful if inhaled. May cause damage to organs through prolonged or repeated exposure by inhalation. |
| Skin contact | Harmful in contact with skin. Causes skin irritation. |
| Eye contact | Causes serious eye irritation. |
| Ingestion | Harmful if swallowed. |

Symptoms related to the physical, chemical and toxicological characteristics Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

Information on toxicological effects

Acute toxicity Harmful if inhaled. Harmful in contact with skin. Harmful if swallowed.

| Components | Species | Test Results |
|---------------------|----------------|-------------------------|
| Glycol ether | | |
| <u>Acute</u> | | |
| Dermal | | |
| LD50 | Rabbit | 2700 mg/kg |
| Oral | | |
| LD50 | Guinea pig | 2000 mg/kg |
| | Mouse | 2400 mg/kg |
| | Rabbit | 2200 mg/kg |
| | Rat | 4500 mg/kg |
| TRADE SECRET | | |
| <u>Acute</u> | | |
| Dermal | | |
| LD50 | Guinea pig | 5690 mg/kg |
| | Rabbit | > 3160 mg/kg |
| | | 2000 mg/kg |
| | | 1260 mg/kg |
| Inhalation | | |
| LC100 | Rat | 200 - 300 mg/l, 8 Hours |
| LC50 | Rat | > 2000 ppm, 48 Hours |
| | | 1000 mg/l, 8 Hours |
| LD50 | Rat | 6.7 mg/l |
| Oral | | |
| LD50 | Mouse | 1580 mg/kg |
| | | 1330 mg/kg |
| | Rabbit | 1940 mg/kg |
| | | 1.3 g/kg |
| | Rat | 1600 mg/kg |

| Components | Species | Test Results |
|------------|---------|-------------------|
| | | 1230 - 3100 mg/kg |
| | | 6 g/kg |
| | | 1.6 g/kg |

* Estimates for product may be based on additional component data not shown.

| | | |
|---|---|--|
| Skin corrosion/irritation | Causes skin irritation. | |
| Serious eye damage/eye irritation | Causes serious eye 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 | May cause genetic defects. | |
| Carcinogenicity | May cause cancer. | |
| IARC Monographs. Overall Evaluation of Carcinogenicity | | |
| Cadmium compounds (CAS *) | 1 Carcinogenic to humans. | |
| TRADE SECRET (CAS Proprietary) | 3 Not classifiable as to carcinogenicity to humans. | |
| OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) | | |
| Cadmium compounds (CAS *) | Cancer | |
| US. National Toxicology Program (NTP) Report on Carcinogens | | |
| Cadmium compounds (CAS *) | Known To Be Human Carcinogen. | |
| Reproductive toxicity | Suspected of damaging fertility or the unborn child. | |
| Specific target organ toxicity - single exposure | Not classified. | |
| Specific target organ toxicity - repeated exposure | May cause damage to organs through prolonged or repeated exposure. | |
| Aspiration hazard | Not an aspiration hazard. | |
| Chronic effects | May cause damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects. | |

12. Ecological information

| | | | |
|--------------------|--|---|----------------------------|
| Ecotoxicity | Very toxic to aquatic life. Toxic to aquatic life with long lasting effects. | | |
| Components | Species | Test Results | |
| Glycol ether | | | |
| Aquatic | | | |
| Fish | LC50 | Bluegill (Lepomis macrochirus) | 1300 mg/l, 96 hours |
| TRADE SECRET | | | |
| Aquatic | | | |
| Fish | LC50 | Bluegill (Lepomis macrochirus) | 10 mg/l, 96 hours |
| | | Fathead minnow (Pimephales promelas) | 7.19 - 8.28 mg/l, 96 hours |
| | | Rainbow trout,donaldson trout (Oncorhynchus mykiss) | 2.9 mg/l, 96 hours |

* Estimates for product may be based on additional component data not shown.

| | | | |
|--|---|--|-------------|
| Persistence and degradability | No data is available on the degradability of this product. | | |
| Bioaccumulative potential | | | |
| Partition coefficient n-octanol / water (log Kow) | | | |
| Glycol ether | | | 0.56 |
| TRADE SECRET | | | 1.1 |
| | | | 2.64 |
| | | | 3.16 - 7.15 |
| 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 | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations. |
| Local disposal regulations | Dispose in accordance with all applicable regulations. |
| Hazardous waste code | The waste code should be assigned in discussion between the user, the producer and the waste disposal company. |
| 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 | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. |

14. Transport information

DOT

| | |
|-------------------------------------|---|
| UN number | UN1993 |
| UN proper shipping name | Flammable liquids, n.o.s. (petroleum distillates) |
| Transport hazard class(es) | |
| Class | 3 |
| Subsidiary risk | - |
| Label(s) | 3 |
| Packing group | III |
| Special precautions for user | Read safety instructions, SDS and emergency procedures before handling. |
| Special provisions | B1, B52, IB3, T4, TP1, TP29 |
| Packaging exceptions | 150 |
| Packaging non bulk | 203 |
| Packaging bulk | 242 |

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

DOT



15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

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

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

| | |
|--------------------------------|---------|
| Barium compounds (CAS *) | Listed. |
| Glycol ether (CAS *) | Listed. |
| TRADE SECRET (CAS Proprietary) | Listed. |

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

| | |
|---------------------------|--|
| Cadmium compounds (CAS *) | Cancer Lung Kidney Acute toxicity |
|---------------------------|--|

Superfund Amendments and Reauthorization Act of 1986 (SARA)

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

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)

| Chemical name | CAS number | % by wt. |
|---------------------------------|-------------|-----------|
| BARIUM COMPOUNDS [EXCEPT BASO4] | * | 10 - < 20 |
| CADMIUM COMPOUNDS | * | 10 - < 15 |
| CERTAIN GLYCOL ETHERS | * | 1 - < 3 |
| 1,2,4-TRIMETHYLBENZENE | Proprietary | 1 - < 3 |

Other federal regulations**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Cadmium compounds (CAS *)
 Glycol ether (CAS *)
 TRADE SECRET (CAS Proprietary)

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

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

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

TRADE SECRET (CAS Proprietary)

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

Barium compounds (CAS *)
 Cadmium compounds (CAS *)
 Glycol ether (CAS *)
 TRADE SECRET (CAS Proprietary)

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

Glycol ether (CAS *)
 TRADE SECRET (CAS Proprietary)

US. Rhode Island RTK

Barium compounds (CAS *)
 Cadmium compounds (CAS *)
 Glycol ether (CAS *)
 TRADE SECRET (CAS Proprietary)

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

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

Cadmium compounds (CAS *) Listed: October 1, 1987

US - California Proposition 65 - CRT: Listed date/Developmental toxin

Cadmium compounds (CAS *) Listed: May 1, 1997

US - California Proposition 65 - CRT: Listed date/Male reproductive toxin

Cadmium compounds (CAS *) Listed: May 1, 1997

International Inventories

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|----------------------|--|------------------------|
| Australia | Australian Inventory of Chemical Substances (AICS) | Yes |
| Canada | Domestic Substances List (DSL) | Yes |
| Canada | Non-Domestic Substances List (NDSL) | No |

| Country(s) or region | Inventory name | On inventory (yes/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) | Yes |
| Korea | Existing Chemicals List (ECL) | Yes |
| New Zealand | New Zealand Inventory | Yes |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | No |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | 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).

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

Issue date 06-01-2015

Revision date 08-26-2015

Version # 02

Disclaimer Valtris Specialty Chemicals cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

Revision Information Composition / Information on Ingredients: Disclosure Overrides