SAFETY DATA SHEET



Residual Solvent Revised Method 467 Class C, Part Number 5190-0493

Section 1. Identification

Product identifier : Residual Solvent Revised Method 467 Class C, Part Number 5190-0493

Part no. : 5190-0493

Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Reagents and Standards for Analytical Chemistry Laboratory Use

1 ml

Supplier/Manufacturer: Agilent Technologies, Inc.

5301 Stevens Creek Blvd Santa Clara, CA 95051, USA

800-227-9770

Emergency telephone number (with hours of

operation)

: CHEMTREC®: 1-800-424-9300

Section 2. Hazard identification

Classification of the substance or mixture

H320 EYE IRRITATION - Category 2B H350 CARCINOGENICITY - Category 1

H360 TOXIC TO REPRODUCTION - Category 1

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H320 - Causes eye irritation.

H350 - May cause cancer.

H360 - May damage fertility or the unborn child.

Precautionary statements

Prevention: P201 - Obtain special instructions before use.

P280 - Wear protective gloves, protective clothing and eye or face protection.

Response : P308 + P313 - IF exposed or concerned: Get medical advice or attention.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention.

Storage : Not applicable.

Disposal : P501 - Dispose of contents and container in accordance with all local, regional,

national and international regulations.

Section 3. Composition/information on ingredients

Substance/mixture

| Ingredient name | Synonyms | % (w/w) | CAS number |
|------------------------|--------------------------|-----------|------------|
| Dimethyl sulfoxide | Dimethyl sulfoxide | ≥80 | 67-68-5 |
| N,N-dimethylacetamide | N,N-dimethylacetamide | ≥0.1 - ≤1 | 127-19-5 |
| N,N-Dimethylformamide | N,N-Dimethylformamide | ≥0.1 - ≤1 | 68-12-2 |
| N-Methyl-2-pyrrolidone | 1-Methyl-2-pyrrolidinone | ≥0.1 - ≤1 | 872-50-4 |

Ranges if listed above for hazardous ingredient(s) are prescribed ranges. The actual concentration(s) or actual concentration range(s) are being withheld as a trade secret.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-aid measures

Description of necessary first aid measures

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10

minutes. Get medical attention. Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing.

If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately.

Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and

> shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention.

Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion : Wash out mouth with water. Remove dentures if any. If material has been

> swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open

airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eve contact : Causes eye irritation.

Inhalation : No known significant effects or critical hazards. **Skin contact** : No known significant effects or critical hazards. Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact : Adverse symptoms may include the following:

> irritation watering redness

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Section 4. First-aid measures

Inhalation : Adverse symptoms may include the following:

> reduced fetal weight increase in fetal deaths skeletal malformations

Skin contact : Adverse symptoms may include the following:

> reduced fetal weight increase in fetal deaths skeletal malformations

Ingestion : Adverse symptoms may include the following:

> reduced fetal weight increase in fetal deaths skeletal malformations

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

Notes to physician

: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments

: No specific treatment.

Protection of first-aiders

: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing

media

: None known.

Specific hazards arising from the chemical

: In a fire or if heated, a pressure increase will occur and the container may burst.

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

carbon monoxide sulfur oxides

Special protective actions for fire-fighters

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without

suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

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Section 6. Accidental release measures

For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Methods for cleaning up

: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Section 7. Handling and storage

Precautions for safe handling

Protective measures

: Put on appropriate personal protective equipment (see Section 8). Avoid exposure obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene

: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

including any incompatibilities

Conditions for safe storage, : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

| Ingredient name | Exposure limits |
|-----------------------|---|
| Dimethyl sulfoxide | OARS WEEL (United States, 4/2022). |
| | TWA: 250 ppm 8 hours. |
| N,N-dimethylacetamide | CA Alberta Provincial (Canada, 6/2018). |
| , | Absorbed through skin. |
| | 8 hrs OEL: 10 ppm 8 hours. |
| | 8 hrs OEL: 36 mg/m³ 8 hours. |
| | CA British Columbia Provincial (Canada, |
| | 6/2022). Absorbed through skin. |
| | TWA: 10 ppm 8 hours. |
| | CA Ontario Provincial (Canada, 6/2019). |

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Section 8. Exposure controls/personal protection

Absorbed through skin. TWA: 10 ppm 8 hours.

CA Quebec Provincial (Canada, 6/2022).

Absorbed through skin.
TWAEV: 10 ppm 8 hours.
TWAEV: 36 mg/m³ 8 hours.

CA Saskatchewan Provincial (Canada, 7/2013). Absorbed through skin.

STEL: 15 ppm 15 minutes. TWA: 10 ppm 8 hours.

CA Alberta Provincial (Canada, 6/2018).

Absorbed through skin. 8 hrs OEL: 30 mg/m³ 8 hours.

8 hrs OEL: 10 ppm 8 hours. CA British Columbia Provincial (Canada, 6/2022). Absorbed through skin.

TWA: 5 ppm 8 hours.

CA Ontario Provincial (Canada, 6/2019).

Absorbed through skin. TWA: 10 ppm 8 hours.

CA Quebec Provincial (Canada, 6/2022).

Absorbed through skin.
TWAEV: 10 ppm 8 hours.
TWAEV: 30 mg/m³ 8 hours.

CA Saskatchewan Provincial (Canada, 7/2013). Absorbed through skin.

STEL: 15 ppm 15 minutes. TWA: 10 ppm 8 hours.

CA Ontario Provincial (Canada, 6/2019).

TWA: 400 mg/m³ 8 hours.

N,N-Dimethylformamide

N-Methyl-2-pyrrolidone

Biological exposure indices

None known.

Appropriate engineering controls

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

Environmental exposure controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin protection

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Section 8. Exposure controls/personal protection

Hand protection

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection

: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties and safety characteristics

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state
Color
Color
Color
Color
Color
Color
Color
Color
Colorless.
Not available.
Not available.
Not available.

Melting point/freezing point
Colorless.
Not available.
Not available.
Soling point, initial boiling
Colorless.
Not available.
Soling point, initial boiling
Colorless.
Soling point available.
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Boiling point, initial boiling point, and boiling range

Flash point : Closed cup: 95°C (203°F)

Evaporation rate : Not available.
Flammability : Not applicable.
Lower and upper explosion limit/flammability limit : Lower: 2.6% Upper: 28.5%

Vapor pressure : 0.0049 kPa (0.037 mm Hg)

Relative vapor density : Not available.

Relative density : Not available.

Density : 1.101 g/cm³

Solubility(ies) : Media Result

Water Soluble

Miscible with water : Yes.

Partition coefficient: n-

octanol/water

: Not applicable.

Auto-ignition temperature : 215°C (419°F)

Decomposition temperature : Not available.

Viscosity : Not available.

Particle characteristics

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Section 9. Physical and chemical properties and safety characteristics

Median particle size : Not applicable.

Section 10. Stability and reactivity

Reactivity: No specific test data related to reactivity available for this product or its ingredients.

Chemical stability: The product is stable.

Possibility of hazardous reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : No specific data.

Incompatible materials: May react or be incompatible with oxidizing materials.

Hazardous decomposition products

: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|-------------------------|---------------------------------|-------------|-------------|----------|
| Dimethyl sulfoxide | LD50 Dermal | Rat | 40000 mg/kg | - |
| | LD50 Oral | Rat | 14500 mg/kg | - |
| N,N-dimethylacetamide | LC50 Inhalation Vapor | Rat | 2475 ppm | 1 hours |
| - | LD50 Dermal | Rabbit | 2240 mg/kg | - |
| | LD50 Oral | Rat | 4300 mg/kg | - |
| N,N-Dimethylformamide | LC50 Inhalation Vapor | Rat | 3421 ppm | 1 hours |
| - | LC50 Inhalation Vapor | Rat | 1948 ppm | 4 hours |
| | LD50 Oral | Rat | 4000 mg/kg | - |
| N-Methyl-2-pyrrolidone | LC50 Inhalation Dusts and mists | Rat - Male, | >5.1 mg/l | 4 hours |
| | | Female | | |
| | LD50 Dermal | Rabbit | 8 g/kg | - |
| | LD50 Oral | Rat | 3914 mg/kg | - |

Irritation/Corrosion

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|-------------------------|--------------------------|---------|-------|--------------|-------------|
| methyl sulfoxide | Eyes - Mild irritant | Rabbit | - | 100 mg | - |
| | Eyes - Mild irritant | Rabbit | - | 24 hours 500 | - |
| | | | | mg | |
| | Skin - Mild irritant | Rabbit | - | 100 mg | - |
| | Skin - Mild irritant | Rabbit | - | 24 hours 500 | - |
| | | | | mg | |
| N,N-dimethylacetamide | Eyes - Mild irritant | Rabbit | - | 100 mg | - |
| | Skin - Mild irritant | Rabbit | - | 24 hours 10 | - |
| | | | | mg | |
| N,N-Dimethylformamide | Eyes - Severe irritant | Rabbit | - | 100 % | - |
| N-Methyl-2-pyrrolidone | Eyes - Moderate irritant | Rabbit | - | 100 mg | - |

Conclusion/Summary

Skin: Repeated exposure may cause skin dryness or cracking.

Sensitization

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Section 11. Toxicological information

Not available.

Mutagenicity

Conclusion/Summary

: Not available.

Carcinogenicity

Conclusion/Summary

: Not available.

Classification

| Product/ingredient name | IARC | NTP | ACGIH |
|-------------------------|------|-----|-------|
| N,N-dimethylacetamide | 2B | - | A3 |
| N,N-Dimethylformamide | 2A | | A3 |

Reproductive toxicity

Conclusion/Summary: Not available.

Teratogenicity

Conclusion/Summary: Not available.

Specific target organ toxicity (single exposure)

| Name | 3 3 3 | Route of exposure | Target organs |
|---|--------------------------|-------------------|---|
| N,N-dimethylacetamide N-Methyl-2-pyrrolidone | Category 3 Category 3 | - | Narcotic effects Respiratory tract irritation |

Specific target organ toxicity (repeated exposure)

| Name | | Route of exposure | Target organs |
|-----------------------|------------|-------------------|---------------|
| N,N-dimethylacetamide | Category 2 | - | liver |

Aspiration hazard

Not available.

Information on the likely routes of exposure

: Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

Potential acute health effects

Eye contact : Causes eye irritation.

Inhalation
 Skin contact
 No known significant effects or critical hazards.
 Ingestion
 No known significant effects or critical hazards.
 No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact: Adverse symptoms may include the following:

irritation watering redness

Inhalation : Adverse symptoms may include the following:

reduced fetal weight increase in fetal deaths skeletal malformations

Skin contact: Adverse symptoms may include the following:

reduced fetal weight increase in fetal deaths skeletal malformations

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Section 11. Toxicological information

Ingestion : Adverse symptoms may include the following:

reduced fetal weight increase in fetal deaths skeletal malformations

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

Short term exposure

Potential immediate

: Not available.

effects

Potential delayed effects : Not available.

Long term exposure

Potential immediate

: Not available.

effects

Potential delayed effects : Not available.

Potential chronic health effects

General : No known significant effects or critical hazards.

Carcinogenicity : May cause cancer. Risk of cancer depends on duration and level of exposure.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity: May damage fertility or the unborn child.

Numerical measures of toxicity

Acute toxicity estimates

| Product/ingredient name | Oral (mg/ kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapors) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|-------------------------|------------------|-------------------|--------------------------------|----------------------------------|--|
| Dimethyl sulfoxide | 14500 | 40000 | N/A | N/A | N/A |
| N,N-dimethylacetamide | 4300 | 2240 | N/A | 11 | N/A |
| N,N-Dimethylformamide | 4000 | 1500 | N/A | 11 | N/A |
| N-Methyl-2-pyrrolidone | 3914 | 8000 | N/A | N/A | N/A |

Section 12. Ecological information

Toxicity

| Product/ingredient name | Result | Species | Exposure |
|--------------------------|--------------------------------------|--|----------|
| Dimethyl sulfoxide | Acute LC50 25000 ppm Fresh water | Daphnia - Daphnia magna - | 48 hours |
| | | Neonate | |
| | Acute LC50 34000000 µg/l Fresh water | Fish - Pimephales promelas | 96 hours |
| | Chronic NOEC 100 ul/L Marine water | Algae - Ulva lactuca | 72 hours |
| | Chronic NOEC 100 ul/L Fresh water | Daphnia - Daphnia magna - | 21 days |
| | | Juvenile (Fledgling, Hatchling, | |
| | | Weanling) | |
| N,N-Dimethylformamide | Acute EC50 14.4 mg/l Fresh water | Daphnia - Daphnia magna | 48 hours |
| - | Acute EC50 7100000 µg/l Fresh water | Fish - Lepomis macrochirus | 96 hours |
| | Acute LC50 >100000 μg/l Marine water | Crustaceans - Crangon crangon - Adult | 48 hours |
| | Chronic NOEC 1500 mg/l Fresh water | Daphnia - Daphnia magna | 21 days |
| | Chronic NOEC 0.1 ml/L Fresh water | Fish - Oncorhynchus mykiss - Embryo | 30 days |
| N-Methyl-2-pyrrolidone | Acute LC50 1.23 ppm Fresh water | Daphnia - Daphnia magna | 48 hours |
| Trimoury, 2 pyrrolldorlo | Acute LC50 832 ppm Fresh water | Fish - Lepomis macrochirus | 96 hours |

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Section 12. Ecological information

Persistence and degradability

| Product/ingredient name | Test | Result | | Dose | Inoculum |
|---|---|----------------------|-------------|------|-----------------------------------|
| Dimethyl sulfoxide | OECD 301D Ready Biodegradability - Closed Bottle Test | 31 % - Not readily - | 28 days | - | - |
| Product/ingredient name | Aquatic half-life | | Photolysi | S | Biodegradability |
| Dimethyl sulfoxide N,N-dimethylacetamide N-Methyl-2-pyrrolidone | - - - | | - - - | | Not readily Readily Readily |

Bioaccumulative potential

| Product/ingredient name | LogPow | BCF | Potential |
|-------------------------|--------|------|-----------|
| Dimethyl sulfoxide | -1.35 | 3.16 | low |
| N,N-dimethylacetamide | -0.77 | - | low |
| N,N-Dimethylformamide | -1.01 | 0.79 | low |
| N-Methyl-2-pyrrolidone | -0.46 | - | low |

Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

Other adverse effects

: No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

TDG / IMDG / IATA

: Not regulated.

Additional information

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according: Not available. to IMO instruments

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Section 15. Regulatory information

Canadian lists

Canadian NPRI : None of the components are listed.CEPA Toxic substances : None of the components are listed.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

Australia : All components are listed or exempted.
Canada : All components are listed or exempted.
China : All components are listed or exempted.

Eurasian Economic Union

: Russian Federation inventory: All components are listed or exempted.

Japan

: Japan inventory (CSCL): All components are listed or exempted.

Japan inventory (ISHL): All components are listed or exempted.

New Zealand: All components are listed or exempted.Philippines: All components are listed or exempted.Republic of Korea: All components are listed or exempted.Taiwan: All components are listed or exempted.Thailand: All components are listed or exempted.

Turkey: Not determined.

United States : All components are active or exempted.Viet Nam : All components are listed or exempted.

Section 16. Other information

History

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revision

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Key to abbreviations : ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

HPR = Hazardous Products Regulations IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships,

1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

N/A = Not available

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Section 16. Other information

UN = United Nations

Procedure used to derive the classification

| Classification | Justification |
|----------------|---------------------------------------|
| 0 , | Calculation method Calculation method |
| , | Calculation method |

[✓] Indicates information that has changed from previously issued version.

Notice to reader

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