

# **THIFLUZAMIDE**

## **Indofil Industries Ltd**

Chemwatch: **3567471** Version No: **3.1** Safety Data Sheet

## Chemwatch Hazard Alert Code: 1

Issue Date: **21/06/2020**Print Date: **08/05/2024**L.GHS.IND.EN

## SECTION 1 Identification of the substance / mixture and of the company / undertaking

### **Product Identifier**

| Product name                  | THIFLUZAMIDE   |  |  |
|-------------------------------|--|--|--|
| Chemical Name                 | Not Available  |  |  |
| Synonyms                      | C13-H6-Br2-F6-N2-O2-S; N-[2,6-dibromo-4-(trifluoromethoxy)phenyl]-2-methyl-4-(trifluoromethyl)thiazole-5-carboxamide; 2',6'-dibromo-2-methyl-4'-trifluoromethoxy-4-trifluoromethyl-1,3-thiazole-5-carboxamilde; 5-thiazolecarboxamide, N-[2,6-dibromo-4-(trifluoromethoxy)phenyl]-2-methyl-4-(trifluoromethyl)-; 5-thiazolecarboxamide, N-(2,6-dibromo-4-(trifluoromethoxy)phenyl)-2-methyl-4-(trifluoromethyl)-; thiazole carboxamide |  |  |
| Proper shipping name          | NVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains thifluzamide)  |  |  |
| Chemical formula              | C 13 H 6 Br 2 F 6 N 2 O 2 S  |  |  |
| Other means of identification | Not Available  |  |  |
| CAS number                    | 130000-40-7  |  |  |

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

| Relevant identified uses | Used to control Rhizoctonia spp. |
|--------------------------|----------------------------------|
|                          | Fungicide.                       |

## Details of the manufacturer or supplier of the safety data sheet

| Registered company name | Indofil Industries Ltd   |  |  |
|-------------------------|--|--|--|
| Address                 | Kalpataru Square, 4th Floor, Kondivita Road, Off. Andheri Kurla Road, Andheri (E) Maharashtra, India. Mumbai 400 059 India |  |  |
| Telephone               | 300-120-003-004  |  |  |
| Fax                     | Not Available  |  |  |
| Website                 | www.indofil.com  |  |  |
| Email                   | customercare@indofil.com   |  |  |

## **Emergency telephone number**

| Association / Organisation        | CHEMWATCH EMERGENCY RESPONSE (24/7) |  |
|-----------------------------------|-------------------------------------|--|
| Emergency telephone numbers       | +918000403230                       |  |
| Other emergency telephone numbers | +61 3 9573 3188                     |  |

Once connected and if the message is not in your preferred language then please dial 01

## **SECTION 2 Hazards identification**

## Classification of the substance or mixture

Chemwatch Hazard Ratings

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Note: The hazard category numbers found in GHS classification in section 2 of this SDSs are NOT to be used to fill in the NFPA 704 diamond. Blue = Health Red = Fire Yellow = Reactivity White = Special (Oxidizer or water reactive substances)

Classification

Serious Eye Damage/Eye Irritation Category 2B, Hazardous to the Aquatic Environment Long-Term Hazard Category 2

#### Label elements

### Hazard pictogram(s)



Signal word

Warning

### Hazard statement(s)

| H320 | Causes eye irritation.                           |  |
|------|--|--|
| H411 | Toxic to aquatic life with long lasting effects. |  |

## Precautionary statement(s) Prevention

P273 Avoid release to the environment.

#### Precautionary statement(s) Response

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

## Precautionary statement(s) Storage

Not Applicable

### Precautionary statement(s) Disposal

P501 Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.

## **SECTION 3 Composition / information on ingredients**

## Substances

| CAS No      | %[weight] | Name                |
|-------------|-----------|---------------------|
| 130000-40-7 | >98       | <u>thifluzamide</u> |

#### **Mixtures**

See section above for composition of Substances

## **SECTION 4 First aid measures**

### Description of first aid measures

| · · · · · · · · · · · · · · · · · · · |   |  |  |
|---------------------------------------|---|--|--|
| Eye Contact                           | If this product comes in contact with the eyes:  • Wash out immediately with fresh running water.  • Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.  • Seek medical attention without delay; if pain persists or recurs seek medical attention.  • Removal of contact lenses after an eye injury should only be undertaken by skilled personnel. |  |  |
| Skin Contact                          | If skin or hair contact occurs:  ► Flush skin and hair with running water (and soap if available).  ► Seek medical attention in event of irritation.  |  |  |
| Inhalation                            | <ul> <li>If fumes, aerosols or combustion products are inhaled remove from contaminated area.</li> <li>Other measures are usually unnecessary.</li> </ul>   |  |  |
| Ingestion                             | <ul> <li>Immediately give a glass of water.</li> <li>First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.</li> </ul>   |  |  |

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Treat symptomatically.

## **SECTION 5 Firefighting measures**

## **Extinguishing media**

Foam.

## Special hazards arising from the substrate or mixture

Fire Incompatibility

Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may
result

## Advice for firefighters

| Fire Fighting         | ▶ Alert Fire Brigade and tell them location and nature of hazard.  |  |  |
|-----------------------|--|--|--|
| Fire/Explosion Hazard | Combustible solid which burns but propagates flame with difficulty; it is estimated that most organic dusts are combustible (circa 70%) - according to the circumstances under which the combustion process occurs, such materials may cause fires and / or dust explosions. Combustion products include: carbon monoxide (CO) carbon dioxide (CO2) hydrogen bromide hydrogen fluoride nitrogen oxides (NOx) sulfur oxides (SOx) other pyrolysis products typical of burning organic material. |  |  |

#### **SECTION 6 Accidental release measures**

## Personal precautions, protective equipment and emergency procedures

See section 8

## **Environmental precautions**

See section 12

### Methods and material for containment and cleaning up

| Minor Spills   | Environmental hazard - contain spillage.  • Clean up all spills immediately. |  |
|--|--|--|
| Major Spills  Environmental hazard - contain spillage.  Moderate hazard. |  |  |

Personal Protective Equipment advice is contained in Section 8 of the SDS.

### **SECTION 7 Handling and storage**

## Precautions for safe handling

• Avoid all personal contact, including inhalation.

- Organic powders when finely divided over a range of concentrations regardless of particulate size or shape and suspended
  in air or some other oxidizing medium may form explosive dust-air mixtures and result in a fire or dust explosion (including
  secondary explosions)
- Minimise airborne dust and eliminate all ignition sources.

Other information

Store in original containers.

### Conditions for safe storage, including any incompatibilities

Suitable container

▶ Polyethylene or polypropylene container.

Storage incompatibility

Thiazoles react readily with alkyl halides to form the corresponding thiazolium salts.

Avoid reaction with oxidising agents















X — Must not be stored together

- May be stored together with specific preventions
- + May be stored together

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Note: Depending on other risk factors, compatibility assessment based on the table above may not be relevant to storage situations, particularly where large volumes of dangerous goods are stored and handled. Reference should be made to the Safety Data Sheets for each substance or article and risks assessed accordingly.

## **SECTION 8 Exposure controls / personal protection**

Not Available

### **Control parameters**

Occupational Exposure Limits (OEL)

INGREDIENT DATA

Not Available

### Emergency Limits

| Ingredient   | TEEL-1        | TEEL-2        | TEEL-3        |
|--------------|---------------|---------------|---------------|
| THIFLUZAMIDE | Not Available | Not Available | Not Available |
|              |               |               |               |
| Ingredient   | Original IDLH | Revised       | IIDLH         |

Not Available

#### MATERIAL DATA

thifluzamide

It is the goal of the ACGIH (and other Agencies) to recommend TLVs (or their equivalent) for all substances for which there is evidence of health effects at airborne concentrations encountered in the workplace.

Sensory irritants are chemicals that produce temporary and undesirable side-effects on the eyes, nose or throat.

#### **Exposure controls**

| Exposure controls  |   |  |  |
|--|---|--|--|
| Appropriate engineering controls   | Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard.  |  |  |
| Individual protection<br>measures, such as<br>personal protective<br>equipment |   |  |  |
| Eye and face protection  | ▶ Safety glasses with side shields.   |  |  |
| Skin protection  | See Hand protection below   |  |  |
| Hands/feet protection  | The selection of suitable gloves does not only depend on the material, but also on further marks of quality which vary from manufacturer to manufacturer.  Experience indicates that the following polymers are suitable as glove materials for protection against undissolved, dry solids, where abrasive particles are not present. |  |  |
| Body protection  | See Other protection below  |  |  |
| Other protection   | ▶ Overalls.   |  |  |

## Respiratory protection

Type -P Filter of sufficient capacity.

| Required Minimum Protection Factor | Half-Face Respirator | Full-Face Respirator | Powered Air Respirator |
|------------------------------------|----------------------|----------------------|------------------------|
| up to 10 x ES                      | P1<br>Air-line*      | -                    | PAPR-P1                |
| up to 50 x ES                      | Air-line**           | P2                   | PAPR-P2                |
| up to 100 x ES                     | -                    | P3                   | -                      |
|                                    |                      | Air-line*            | -                      |
| 100+ x ES                          | -                    | Air-line**           | PAPR-P3                |

<sup>\* -</sup> Negative pressure demand \*\* - Continuous flow

A(All classes) = Organic vapours, B AUS or B1 = Acid gasses, B2 = Acid gas or hydrogen cyanide(HCN), B3 = Acid gas or hydrogen cyanide(HCN), E = Sulfur dioxide(SO2), G = Agricultural chemicals, K = Ammonia(NH3), Hg = Mercury, NO = Oxides of nitrogen, MB = Methyl bromide, AX = Low boiling point organic compounds(below 65 degC)

- $\cdot \ \text{Respirators may be necessary when engineering and administrative controls do not adequately prevent exposures.}$
- The decision to use respiratory protection should be based on professional judgment that takes into account toxicity information, exposure measurement data, and frequency and likelihood of the worker's exposure ensure users are not subject to high thermal loads which may result in heat stress or distress due to personal protective equipment (powered, positive flow, full face apparatus may be an option).
- · Published occupational exposure limits, where they exist, will assist in determining the adequacy of the selected respiratory protection. These may be government mandated or vendor recommended.
- · Certified respirators will be useful for protecting workers from inhalation of particulates when properly selected and fit tested as part of a complete respiratory protection program.
- · Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)

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- $\cdot$  Use approved positive flow mask if significant quantities of dust becomes airborne.
- · Try to avoid creating dust conditions.

## **SECTION 9 Physical and chemical properties**

## Information on basic physical and chemical properties

| Appearance                                   | White to pale red-grey crystalline powder; does not mix well with water. |  |                |  |
|--|--|--|----------------|--|
| Physical state                               | Divided Solid  | Relative density (Water =              | Not Available  |  |
| Odour  | Not Available  | Partition coefficient noctanol / water | 4.16           |  |
| Odour threshold                              | Not Available  | Auto-ignition temperature (°C)         | Not Available  |  |
| pH (as supplied)                             | Not Applicable   | Decomposition temperature (°C)         | Not Available  |  |
| Melting point / freezing point (°C)          | 176-180  | Viscosity (cSt)                        | Not Applicable |  |
| Initial boiling point and boiling range (°C) | Not Applicable   | Molecular weight (g/mol)               | 528.06         |  |
| Flash point (°C)                             | Not Available  | Taste                                  | Not Available  |  |
| Evaporation rate                             | Not Applicable   | Explosive properties                   | Not Available  |  |
| Flammability                                 | Not Available  | Oxidising properties                   | Not Available  |  |
| Upper Explosive Limit (%)                    | Not Available  | Surface Tension (dyn/cm or mN/m)       | Not Applicable |  |
| Lower Explosive Limit (%)                    | Not Available  | Volatile Component (%vol)              | Negligible     |  |
| Vapour pressure (kPa)                        | Negligible   | Gas group                              | Not Available  |  |
| Solubility in water                          | Partly miscible  | pH as a solution (1%)                  | Not Applicable |  |
| Vapour density (Air = 1)                     | Not Applicable   | VOC g/L                                | Not Applicable |  |

## **SECTION 10 Stability and reactivity**

| Reactivity                         | See section 7   |  |  |
|------------------------------------|---|--|--|
| Chemical stability                 | ► Unstable in the presence of incompatible materials. |  |  |
| Possibility of hazardous reactions | See section 7   |  |  |
| Conditions to avoid                | See section 7   |  |  |
| Incompatible materials             | See section 7   |  |  |
| Hazardous decomposition products   | See section 5   |  |  |

## **SECTION 11 Toxicological information**

## Information on toxicological effects

| Inhaled      | The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models).  Persons with impaired respiratory function, airway diseases and conditions such as emphysema or chronic bronchitis, may incur further disability if excessive concentrations of particulate are inhaled.                    |
|--------------|---|
| Ingestion    | Although ingestion is not thought to produce harmful effects (as classified under EC Directives), the material may still be damaging to the health of the individual, following ingestion, especially where pre-existing organ (e.g liver, kidney) damage is evident.   |
| Skin Contact | The material is not thought to produce adverse health effects or skin irritation following contact (as classified by EC Directives using animal models).  Open cuts, abraded or irritated skin should not be exposed to this material  Entry into the blood-stream through, for example, cuts, abrasions, puncture wounds or lesions, may produce systemic injury with harmful effects. |
| Еуе          | Limited evidence exists, or practical experience suggests, that the material may cause eye irritation in a substantial number of individuals and/or is expected to produce significant ocular lesions which are present twenty-four hours or more after instillation into the eye(s) of experimental animals.   |
| Chronic      | Limited evidence suggests that repeated or long-term occupational exposure may produce cumulative health effects involving organs or biochemical systems.  There is some evidence that human exposure to the material may result in developmental toxicity.   |

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Long term exposure to high dust concentrations may cause changes in lung function (i.e. pneumoconiosis) caused by particles less than 0.5 micron penetrating and remaining in the lung.

Chronic poisoning from ionic bromides has historically resulted from medical use of bromides but not from exposure in the environment or workplace.

|              | TOXICITY   | IRRITATION                |  |
|--------------|--|---------------------------|--|
| thifluzamide | Dermal (rabbit) LD50: >5000 mg/kg <sup>[2]</sup>   | Eye (rabbit): Moderate ** |  |
|              | Oral (Rat) LD50: >6500 mg/kg <sup>[2]</sup> Skin (rabbit): slight **   |                           |  |
| Legend:      | Value obtained from Europe ECHA Registered Substances - Acute toxicity 2. Value obtained from manufacturer's SDS.     Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances |                           |  |

\* Fujifilm SDS THIFLUZAMIDE The predominant fate of the thiazole ring is oxidative ring scission catalysed by cytochrome P450 (CYP) and formation of the

| Acute Toxicity                       | ×        | Carcinogenicity          | × |
|--------------------------------------|----------|--------------------------|---|
| Skin Irritation/Corrosion            | ×        | Reproductivity           | × |
| Serious Eye<br>Damage/Irritation     | <b>~</b> | STOT - Single Exposure   | × |
| Respiratory or Skin<br>sensitisation | ×        | STOT - Repeated Exposure | × |
| Mutagenicity                         | ×        | Aspiration Hazard        | × |

corresponding alpha-dicarbonyl metabolites and thioamide derivatives.

Legend: 🗶 – Data either not available or does not fill the criteria for classification - Data available to make classification

### **SECTION 12 Ecological information**

### Toxicity

|              | Endpoint   | Test Duration (hr) | Species | Value   | Source           |
|--------------|--|--------------------|---------|---------|------------------|
| thifluzamide | LC50   | 96h                | Fish    | 1.2mg/l | Not<br>Available |
| Legend:      | Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data |                    |         |         |                  |

Fish LC50 (96 h): bluegill sunfish 1.2 mg/l, carp 2.9 mg/l, rainbow trout 1.3 mg/l Daphnia LC50 (48 h): 1.6 mg/l

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Do NOT allow product to come in contact with surface waters or to intertidal areas below the mean high water mark.

For Bromide:

Environmental Fate: Bromide ions may be introduced to the environment after the breakdown of various salts and complexes or after the degradation of organic compounds that contain carbon bonded to bromine.

DO NOT discharge into sewer or waterways.

### Persistence and degradability

| Ingredient   | Persistence: Water/Soil | Persistence: Air |  |
|--------------|-------------------------|------------------|--|
| thifluzamide | HIGH                    | HIGH             |  |

## **Bioaccumulative potential**

| Ingredient   | Bioaccumulation       |
|--------------|-----------------------|
| thifluzamide | HIGH (LogKOW = 6.863) |

### Mobility in soil

| Ingredient   | Mobility              |
|--------------|-----------------------|
| thifluzamide | LOW (Log KOC = 18390) |

## **SECTION 13 Disposal considerations**

#### Waste treatment methods

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Product / Packaging disposal

Legislation addressing waste disposal requirements may differ by country, state and/ or territory.

▶ DO NOT allow wash water from cleaning or process equipment to enter drains.

## **SECTION 14 Transport information**

## **Labels Required**



**Marine Pollutant** 



## Land transport (UN)

| Lana transport (ON)                |                                     |  |  |  |
|------------------------------------|-------------------------------------|--|--|--|
| 14.1. UN number or ID number       | 3077                                |  |  |  |
| 14.2. UN proper shipping name      | ENVIRONMENTALLY                     | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains thifluzamide) |  |  |
| 14.3. Transport hazard class(es)   | Class<br>Subsidiary Hazard          |  |  |  |
| 14.4. Packing group                | III                                 |  |  |  |
| 14.5. Environmental hazard         | Environmentally hazar               | rdous  |  |  |
| 14.6. Special precautions for user | Special provisions Limited quantity | 274; 331; 335; 375<br>5 kg   |  |  |

# Air transport (ICAO-IATA / DGR)

| 14.1. UN number  | 3077   |            |                         |  |
|--|--|------------|-------------------------|--|
| 14.2. UN proper shipping name  | Environmentally hazardous substance, solid, n.o.s. (contains thifluzamide) |            |                         |  |
|  | ICAO/IATA Class  | TA Class 9 |                         |  |
| 14.3. Transport hazard class(es)   | ICAO / IATA Subsidiary Hazard Not Applicable                               |            |                         |  |
| 0.000(00)  | ERG Code   | 9L         |                         |  |
| 14.4. Packing group  | III  |            |                         |  |
| 14.5. Environmental hazard   | Environmentally hazardous  |            |                         |  |
|  | Special provisions   |            | A97 A158 A179 A197 A215 |  |
|  | Cargo Only Packing Instructions  |            | 956                     |  |
|  | Cargo Only Maximum Qty / Pack  |            | 400 kg                  |  |
| 14.6. Special precautions for user  Passenger and Cargo Packing Instructions 956 |  |            |                         |  |
| TOT USE  | Passenger and Cargo Maximum Qty / Pack                                     |            | 400 kg                  |  |
|  | Passenger and Cargo Limited Quantity Packing Instructions                  |            | Y956                    |  |
|  | Passenger and Cargo Limited Maximum Qty / Pack                             |            | 30 kg G                 |  |
|  |  |            | •                       |  |

## Sea transport (IMDG-Code / GGVSee)

| 14.1. UN number                  | 3077   |                  |  |
|----------------------------------|--|------------------|--|
| 14.2. UN proper shipping name    | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains thifluzamide) |                  |  |
| 14.3. Transport hazard class(es) | IMDG Class  IMDG Subsidiary Hazard   | 9 Not Applicable |  |
| 14.4. Packing group              | III  |                  |  |
| 14.5 Environmental hazard        | Marine Pollutant   |                  |  |

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|                                    | EMS Number         | F-A , S-F           |
|------------------------------------|--------------------|---------------------|
| 14.6. Special precautions for user | Special provisions | 274 335 966 967 969 |
| .5. 4551                           | Limited Quantities | 5 kg                |

## 14.7.1. Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

### 14.7.2. Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

| Product name | Group         |
|--------------|---------------|
| thifluzamide | Not Available |

## 14.7.3. Transport in bulk in accordance with the IGC Code

| Product name | Ship Type     |
|--------------|---------------|
| thifluzamide | Not Available |

## **SECTION 15 Regulatory information**

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

thifluzamide is found on the following regulatory lists

Not Applicable

## **Additional Regulatory Information**

Not Applicable

## **National Inventory Status**

| National Inventory                                 | Status   |  |
|--|--|--|
| Australia - AIIC / Australia<br>Non-Industrial Use | No (thifluzamide)  |  |
| Canada - DSL                                       | No (thifluzamide)  |  |
| Canada - NDSL                                      | No (thifluzamide)  |  |
| China - IECSC                                      | No (thifluzamide)  |  |
| Europe - EINEC / ELINCS /<br>NLP                   | No (thifluzamide)  |  |
| Japan - ENCS                                       | No (thifluzamide)  |  |
| Korea - KECI                                       | Yes  |  |
| New Zealand - NZIoC                                | No (thifluzamide)  |  |
| Philippines - PICCS                                | No (thifluzamide)  |  |
| USA - TSCA   | No (thifluzamide)  |  |
| Taiwan - TCSI                                      | Yes  |  |
| Mexico - INSQ                                      | Yes  |  |
| Vietnam - NCI                                      | Yes  |  |
| Russia - FBEPH                                     | No (thifluzamide)  |  |
| Legend:  | Yes = All CAS declared ingredients are on the inventory No = One or more of the CAS listed ingredients are not on the inventory. These ingredients may be exempt or will require registration. |  |

# **SECTION 16 Other information**

| Revision Date | 21/06/2020 |
|---------------|------------|
| Initial Date  | 09/12/2019 |

## **SDS Version Summary**

| Version | Date of<br>Update | Sections Updated  |
|---------|-------------------|---|
| 2.1     | 09/12/2019        | Identification of the substance / mixture and of the company / undertaking - Use  |
| 3.1     | 21/06/2020        | Handling and storage - Storage (storage incompatibility), Toxicological information - Toxicity and Irritation (Other), Identification of the substance / mixture and of the company / undertaking - Use |

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#### Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment.

#### **Definitions and abbreviations**

- ▶ PC TWA: Permissible Concentration-Time Weighted Average
- ▶ PC STEL: Permissible Concentration-Short Term Exposure Limit
- ▶ IARC: International Agency for Research on Cancer
- ▶ ACGIH: American Conference of Governmental Industrial Hygienists
- ▶ STEL: Short Term Exposure Limit
- ► TEEL: Temporary Emergency Exposure Limit。
- ▶ IDLH: Immediately Dangerous to Life or Health Concentrations
- ▶ ES: Exposure Standard
- OSF: Odour Safety Factor
- ▶ NOAEL: No Observed Adverse Effect Level
- ▶ LOAEL: Lowest Observed Adverse Effect Level
- ▶ TLV: Threshold Limit Value
- ▶ LOD: Limit Of Detection
- ▶ OTV: Odour Threshold Value
- ▶ BCF: BioConcentration Factors
- ▶ BEI: Biological Exposure Index
- ▶ DNEL: Derived No-Effect Level
- ▶ PNEC: Predicted no-effect concentration
- AIIC: Australian Inventory of Industrial Chemicals
- ▶ DSL: Domestic Substances List
- ▶ NDSL: Non-Domestic Substances List
- ▶ IECSC: Inventory of Existing Chemical Substance in China
- ▶ EINECS: European INventory of Existing Commercial chemical Substances
- ▶ ELINCS: European List of Notified Chemical Substances
- ▶ NLP: No-Longer Polymers
- ▶ ENCS: Existing and New Chemical Substances Inventory
- KECI: Korea Existing Chemicals Inventory
- ▶ NZIoC: New Zealand Inventory of Chemicals
- ▶ PICCS: Philippine Inventory of Chemicals and Chemical Substances
- ▶ TSCA: Toxic Substances Control Act
- ► TCSI: Taiwan Chemical Substance Inventory
- ▶ INSQ: Inventario Nacional de Sustancias Químicas
- NCI: National Chemical Inventory
- ▶ FBEPH: Russian Register of Potentially Hazardous Chemical and Biological Substances

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