

Marlex® TRB-437LS Polyethylene

Version 1.5

Revision Date 2024-10-24

According to Regulation (EC) No. 1907/2006, Regulation (EC) No. 2020/878

| SECT | TON 1: Identification of the | su | bstance/mixture and of the company/undertaking |
|-------|--|--|--|
| 1.1 | | | |
| P | Product information | | |
| Ρ | Product Name | : | Marlex® TRB-437LS Polyethylene |
| 1.3 | | | |
| | Details of the supplier of the | e sa | afety data sheet |
| C | Company | : | Chevron Phillips Chemical Company LP 10001 Six Pines Drive The Woodlands, TX 77380 |
| L | ocal | : | Chevron Phillips Chemicals International N.V. Airport Plaza (Stockholm Building) Leonardo Da Vincilaan 19 1831 Diegem Belgium |
| | | | SDS Requests: (800) 852-5530 Responsible Party: Product Safety Group Email:sds@cpchem.com |
| 1.4 | | | |
| E | Emergency telephone: | | |
| | Mexico CHEMTREC 01-80 South America SOS-Cotec Argentina: +(54)-11598394 EUROPE: BIG +32.14.584 Austria: VIZ +43 1 406 43 4 | nal 2 9 90-6 101 131 54 |) r 703.527.3887(int'l) 186 1132) China: 0532 8388 9090 581-9531 (24 hours) side Brazil: 0800.111.767 Outside Brazil: +55.19.3467.1600 5 (phone) or +32.14583516 (telefax) (24 hours/day, 7 days/week) |
| SDS N | Number:100000102885 | | 1/12 |

Marlex® TRB-437LS Polyethylene

Version 1.5

Revision Date 2024-10-24

Belgium: 070 245 245 (24 hours/day, 7 days/week) Bulgaria: +359 2 9154 233 Croatia: +3851 2348 342 (24 hours/day, 7 days/week) Cyprus: 1401 Czech Republic: Toxicological Information Center +420 224 919 293, +420 224 915 402 Denmark: Danish Poison Center (Giftlinjen): +45 8212 1212 Estonia: BIG +32.14.584545 (phone) or +32.14583516 (telefax) Finland: 0800 147 111 09 471 977 (24 hours/day) France: ORFILA number (INRS): + 33 (0) 1 45 42 59 59 (24 hours/day, 7 days/week) Germany: BIG +32.14.584545 (phone) or +32.14583516 (telefax) Greece: (0030) 2107793777 (24 hours/day, 7 days/week) Hungary: +36-80-201-199 (24 hours/day, 7 days/week) Iceland: 543 2222 (24 hours/day, 7 days/week) Ireland: BIG +32.14.584545 (phone) or +32.14583516 (telefax) Italy: POISON CENTER MILAN – Azienda Ospedaliera Niguarda Ca` Grande Tel. +39 02 66101029; POISON CENTER ROME – Policlinico "Agostino Gemelli", Servizio di tossicologia clinica Tel. +39 06 3054343; POISON CENTER ROME - Ospedale Pediatrico Bambino Gesù Tel. +39 06 68593726; POISON CENTER ROME – Policlinico "Umberto I" Tel. +39 06 4997 8000; POISON CENTER FOGGIA – Azienda Ospedaliera Universitaria Riuniti Tel. +39 0881 732326; POISON CENTER NAPLES – Azienda Ospedaliera "Antonio Cardarelli" Tel. +39 081 7472870; POISON CENTER FLORENCE – Azienda Ospedaliera universitaria Careggi Tel. +39 055 7947819; POISON CENTER PAVIA - IRCCS Fondazione Salvatore Maugeri Tel. +39 0382 24444; POISON CENTER BERGAMO - Azienda Ospedaliera "Papa Giovanni XXIII" Tel. 800 883 300; POISON CENTER VERONA - Azienda Ospedaliera Universitaria integrata Tel. 800 011 858: Latvia: State Fire and Rescue Service, phone number: 112; Toxicology and Sepsis Clinic Poisoning and Drug Information Center, Hipokrāta 2, Riga, Latvia, LV-1038, phone number +371 67042473. (24 hours.) Liechtenstein: BIG +32.14.584545 (phone) or +32.14583516 (telefax) Lithuania: +370 (85) 2362052 Luxembourg: (+352) 8002 5500 (24 hours/day, 7 days/week) Malta: +356 2395 2000 The Netherlands: NVIC: +31 (0)88 755 8000 Norway: 22 59 13 00 (24 hours/day, 7 days/week) Poland: BIG +32.14.584545 (phone) or +32.14583516 (telefax) Portugal: CIAV phone number: +351 800 250 250 Romania: +40213183606 Slovakia: +421 2 5477 4166 Slovenia: Phone number: 112 Spain: National Emergency Telephone Number of Spanish Poison Centre: +34 91 562 04 20 (24 hours/day, 7 days/week) Sweden: 112 - ask for Poisons Information Responsible Department : Product Safety and Toxicology Group E-mail address SDS@CPChem.com 2 Website www.CPChem.com MEDICAL APPLICATION CAUTION: Do not use this material in medical applications involving permanent implantation in the human body or permanent contact with internal body fluids or tissues fluids or tissues. Do not use this material in medical applications involving brief or temporary implantation in the human body or contact with internal body fluids or tissues unless the material has been provided directly from Chevron Phillips Chemical Company LP or its legal affiliates under an agreement which expressly acknowledges the contemplated use. Chevron Phillips Chemical Company LP and its legal affiliates makes no representation, promise, express warranty or implied warranty concerning the suitability of this material for use in implantation in the human body or in contact with internal body fluids or tissues. SDS Number:100000102885 2/12

Marlex® TRB-437LS Polyethylene

Version 1.5

Revision Date 2024-10-24

SECTION 2: Hazards identification

2.1

Classification of the substance or mixture REGULATION (EC) No 1272/2008

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

2.2

Labeling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

SECTION 3: Composition/information on ingredients

3.1 **-** 3.2

Substance or Mixture

Hazardous ingredients

| Chemical name | CAS-No. EC-No. Index No. | Classification (REGULATION (EC) No 1272/2008) | Concentration [wt%] | Specific Conc. Limits, M-factors and ATEs |
|----------------------------------|--------------------------------|---|------------------------|---|
| Polyethylene Hexene Copolymer | 25213-02-9 | | 99 - 100 | |
| Contains no hazardous | ingredients acco | ording to GHS. : | | |

SECTION 4: First aid measures

4.1

Description of first-aid measures

| If inhaled | : Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. If symptoms persist, call a physician. |
|-------------------------|--|
| In case of skin contact | : If the molten material gets on skin, quickly cool in water. Seek immediate medical attention. Do not try to peel the solidified material from the skin or use solvents or thinners to dissolve it. |
| In case of eye contact | : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| If swallowed | : Do not induce vomiting without medical advice. |

4.2 Most important symptoms and effects, both acute and delayed

4.3 Indication of any immediate medical attention and special treatment needed

| SECTION 5: Firefighting measu | ures | | | |
|--------------------------------------|------|-------------------|------|--|
| Flash point | : | No data available | | |
| Autoignition temperature | : | No data available | | |
| SDS Number:100000102885 | | | 3/12 | |

SAFETY DATA SHEET

Version 1.5

6.3

Methods for cleaning up

Additional advice

SDS Number:100000102885

| 5.1 | Extinguishing media | |
|-------------|--|--|
| | Suitable extinguishing : media | Water. Water mist. Dry chemical. Carbon dioxide (CO2). Foam. If possible, water should be applied as a spray from a fogging nozzle since this is a surface burning material. The application of high velocity water will spread the burning surface layer. Avoid the use of straight streams that may create a dust cloud and the risk of a dust explosion. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| 5.2 | | |
| | Special hazards arising from Specific hazards during fire : fighting | |
| 5.3 | | |
| | Advice for firefightersSpecial protective:equipment for fire-fighters | Use personal protective equipment. Wear self-contained breathing apparatus for firefighting if necessary. |
| | Further information : | This material will burn although it is not easily ignited. |
| | Fire and explosion : protection | Treat as a solid that can burn. Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. |
| | Hazardous decomposition : products | Normal combustion forms carbon dioxide, water vapor and may produce carbon monoxide, other hydrocarbons and hydrocarbon oxidation products (ketones, aldehydes, organic acids) depending on temperature and air availability. Incomplete combustion can also produce formaldehyde. |
| SEC | CTION 6: Accidental release me | easures |
| 6.1 | Personal precautions, protec | ive equipment and emergency procedures |
| 6.2 | Personal precautions : | Sweep up to prevent slipping hazard. Avoid breathing dust. Avoid dust formation. |
| U. Z | Environmental precautions | |

Environmental precautions : Do not contaminate surface water. Prevent product from

: Clean up promptly by sweeping or vacuum.

: Dust deposits should not be allowed to accumulate on

surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with

4/12

entering drains.

compressed air).

Methods and materials for containment and cleaning up

Version 1.5

6.4

Reference to other sections

SAFETY DATA SHEET

| | Reference to other sections | |
|-----|---|---|
| SEC | CTION 7: Handling and storage | 8 |
| 7.1 | | |
| 7.1 | Precautions for safe handling Handling | 9 |
| | Advice on safe handling | : Use good housekeeping for safe handling of the product. Keep out of water sources and sewers. Spilled pellets may create a slipping hazard. Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary, but may not by themselves be sufficient. At elevated temperatures (>350°F, >177°C), polyethylene can release vapors and gases, which are irritating to the mucous membranes of the eyes, mouth, throat, and lungs. These substances may include acetaldehyde, acetone, acetic acid, formic acid, formaldehyde and acrolein. Based on animal data and limited epidemiological evidence, formaldehyde has been listed as a carcinogen. Following all recommendations within this SDS should minimize exposure to thermal processing emissions. |
| | Advice on protection against fire and explosion | : Treat as a solid that can burn. Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. |
| 7.2 | Conditions for safe storage, | including any incompatibilities |
| | Storage | |
| | Requirements for storage areas and containers | : Keep in a dry place. Keep in a well-ventilated place. |
| | Advice on common storage | : Do not store together with oxidizing and self-igniting products. |
| | | |
| SEC | CTION 8: Exposure controls/po | ersonal protection |
| | | |
| 8.2 | Exposure controls Engineering measures | |
| 8.2 | Engineering measures Consider the potential hazards activities, and other substances personal protective equipment. exposure to harmful levels of the recommended. The user should the equipment since protection | . If engineering controls or work practices are not adequate to preven his material, the personal protective equipment listed below is and read and understand all instructions and limitations supplied with is usually provided for a limited time or under certain circumstances |
| 8.2 | Engineering measures Consider the potential hazards activities, and other substances personal protective equipment. exposure to harmful levels of the recommended. The user should | s in the work place when designing engineering controls and selectin . If engineering controls or work practices are not adequate to prever his material, the personal protective equipment listed below is ild read and understand all instructions and limitations supplied with is usually provided for a limited time or under certain circumstances. |

Version 1.5

SAFETY DATA SHEET

| Respiratory protection | : No respiratory protection is normally required. If heated | |
|---|--|--|
| | material generates vapor or fumes that are not adequately controlled by ventilation, wear an appropriate respirator. Use the following elements for air-purifying respirators: Organic Vapor and Formaldehyde. A positive pressure, air-supplying respirator may be appropriate if there is potential for | |
| | uncontrolled release, aerosolization, exposure levels are not known, or other circumstances where air-purifying respirators may not provide adequate protection. Dust safety masks are recommended when the dust concentration is excessive. | |
| | | |
| Eye protection | : Use of safety glasses with side shields for solid handling is good industrial practice. If this material is heated, wear chemical goggles or safety glasses with side shields or a face shield. If there is potential for dust, use chemical goggles. | |
| Skin and body protection | : At ambient temperatures use of clean and protective clothing is good industrial practice. If the material is heated or molten, wear thermally insulated, heat-resistant gloves that are able to withstand the temperature of the molten product. If this material is heated, wear insulated clothing to prevent skin contact if engineering controls or work practices are not adequate. | |
| ECTION 9: Physical and cher | nical properties | |
| _ | · · | |
| 1 Information on basic phys | ical and chemical properties | |
| Appearance | • • | |
| Form | : Pellets | |
| Physical state | : solid | |
| Color | : Opaque | |
| Odor Odor Threshold | : Mild to no odor | |
| | · No data available | |
| | : No data available | |
| Safety data | : No data available | |
| | No data availableNo data available | |
| Safety data | | |
| Safety data Flash point | : No data available | |
| Safety data Flash point Lower explosion limit | : No data available : Not applicable | |
| Safety data Flash point Lower explosion limit Upper explosion limit | No data available Not applicable Not applicable | |
| Safety data Flash point Lower explosion limit Upper explosion limit Autoignition temperature | No data available Not applicable Not applicable No data available Low molecular weight hydrocarbons, alcohols, aldehydes, | |
| Safety data Flash point Lower explosion limit Upper explosion limit Autoignition temperature Thermal decomposition | No data available Not applicable Not applicable No data available Low molecular weight hydrocarbons, alcohols, aldehydes, acids and ketones can be formed during thermal processing. | |
| Safety data Flash point Lower explosion limit Upper explosion limit Autoignition temperature Thermal decomposition | No data available Not applicable Not applicable No data available Low molecular weight hydrocarbons, alcohols, aldehydes, acids and ketones can be formed during thermal processing. Not applicable | |

Marlex® TRB-437LS Polyethylene

Version 1.5

Revision Date 2024-10-24

| Initial boiling point and boiling range | : | Not applicable |
|--|---|---|
| Vapor pressure | : | Not applicable |
| Relative density | : | Not applicable |
| Density | : | 0,91 - 0,97 g/cm3 Please refer to the Technical Data Sheet (TDS) for more detailed information relating to the nominal physical properties, including density, of this polyethylene resin grade. |
| Water solubility | : | negligible |
| Partition coefficient: n- octanol/water | : | No data available |
| Solubility in other solvents | : | No data available |
| Viscosity, dynamic | : | Not applicable |
| Viscosity, kinematic | : | Not applicable |
| Relative vapor density | : | Not applicable |
| Evaporation rate | : | Not applicable |
| | | |

SECTION 10: Stability and reactivity

10.1

| Reactivity | : This material is considered non-reactive under normal ambient and anticipated storage and handling conditions of temperature and pressure. |
|-------------------------------|--|
| 10.2 | |
| Chemical stability | : This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure. |
| 10.3 | |
| Possibility of hazardous reac | tions |
| 10.4 Conditions to avoid | : Avoid prolonged storage at elevated temperature. |
| 10.5 | |
| Materials to avoid | : Avoid contact with strong oxidizing agents. |
| Thermal decomposition | : Low molecular weight hydrocarbons, alcohols, aldehydes, acids and ketones can be formed during thermal processing. |
| 10.6 | |
| Hazardous decomposition | : Normal combustion forms carbon dioxide, water vapor and |
| SDS Number:100000102885 | 7/12 |
| | |

| | SAFETY DATA SHEET |
|---|--|
| Marlex® TRB-437LS Po | |
| Version 1.5 products | Revision Date 2024-10-24 may produce carbon monoxide, other hydrocarbons and hydrocarbon oxidation products (ketones, aldehydes, organic acids) depending on temperature and air availability. Incomplete combustion can also produce formaldehyde. |
| Other data | : No decomposition if stored and applied as directed. |
| SECTION 11: Toxicological info | rmation |
| 11.1 | |
| Information on toxicologica | al effects |
| Marlex® TRB-437LS Polyet Acute oral toxicity | |
| Marlex® TRB-437LS Polyet Acute inhalation toxicity | |
| Marlex® TRB-437LS Polyet Acute dermal toxicity | |
| Marlex® TRB-437LS Polyet Skin irritation | hylene : No skin irritation |
| Marlex® TRB-437LS Polyet Eye irritation | hylene : No eye irritation |
| Marlex® TRB-437LS Polyet Sensitization | hylene : Did not cause sensitization on laboratory animals. |
| 11.2 Information on other hazar | de |
| | |
| Marlex® TRB-437LS Polyet Further information | hylene This product contains POLYMERIZED OLEFINS. During thermal processing (>350°F, >177°C) polyolefins can release vapors and gases (aldehydes,ketones and organic acids) which are irritating to the mucous membranes of the eyes, mouth, throat, and lungs. Generally these irritant effects are all transitory. However, prolonged exposure to irritating off-gases can lead to pulmonary edema. Formaldehyde (an aldehyde) has been classified as a carcinogen based on animal data and limited epidemiological evidence. |
| Endocrine disrupting properties | : |
| SECTION 12: Ecological inform | ation |
| | |
| 12.1 Toxicity | |
| | |

Version 1.5 Revision Date 2024-10-24 **Ecotoxicity effects** 12.2 Persistence and degradability Biodegradability : This material is not expected to be readily biodegradable. 12.3 **Bioaccumulative potential** Elimination information (persistence and degradability) Bioaccumulation : Does not bioaccumulate. 12.4 Mobility in soil Mobility : The product is insoluble and floats on water. 12.5 Results of PBT and vPvB assessment 12.6 Endocrine disrupting properties Endocrine disrupting : properties 12.7 Other adverse effects : This material is not expected to be harmful to aquatic Additional ecological information organisms., Fish or birds may eat pellets which may obstruct their digestive tracts. 12.8 **Additional Information Ecotoxicology Assessment SECTION 13: Disposal considerations** 13.1 Waste treatment methods The information in this SDS pertains only to the product as shipped. Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by US EPA under RCRA (40 CFR 261) or other State and local regulations. Measurement of certain physical properties and analysis for regulated components may be necessary to make a correct determination. If this material is classified as a hazardous waste, federal law requires disposal at a licensed hazardous waste disposal facility.

SECTION 14: Transport information

14.1 - 14.7

Transport information

The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments in non-bulk packages (see regulatory definition).

SDS Number:100000102885

Marlex® TRB-437LS Polyethylene

| Version 1.5 | Revision Date 2024-10-24 |
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| Goods Regulations for additional shippin etc.) Therefore, the information shown h | national mode-specific and quantity-specific Dangerous g description requirements (e.g., technical name or names, ere, may not always agree with the bill of lading shipping for the material may vary slightly between the SDS and the |
| US DOT (UNITED STATES DEPARTME NOT REGULATED AS A HAZARDOU TRANSPORTATION BY THIS AGEN | JS MATERIAL OR DANGEROUS GOODS FOR |
| IMO / IMDG (INTERNATIONAL MARITII NOT REGULATED AS A HAZARDOU TRANSPORTATION BY THIS AGEN | JS MATERIAL OR DANGEROUS GOODS FOR |
| IATA (INTERNATIONAL AIR TRANSPO NOT REGULATED AS A HAZARDOU TRANSPORTATION BY THIS AGEN | JS MATERIAL OR DANGEROUS GOODS FOR |
| ADR (AGREEMENT ON DANGEROUS NOT REGULATED AS A HAZARDOU TRANSPORTATION BY THIS AGEN | JS MATERIAL OR DANGEROUS GOODS FOR |
| RID (REGULATIONS CONCERNING TH DANGEROUS GOODS (EUROPE)) NOT REGULATED AS A HAZARDOU TRANSPORTATION BY THIS AGEN | JS MATERIAL OR DANGEROUS GOODS FOR |
| OF DANGEROUS GOODS BY INLAND | JS MATERIAL ÓR DANGEROUS GOODS FOR |
| Maritime transport in bulk according t | o IMO instruments |
| SECTION 15: Regulatory information | |
| 15.1 Safety, health and environmental regu National legislation | lations/legislation specific for the substance or mixture |
| | of 18 June 2020 amending Regulation (EC) No 1907/2006 of ncil on the Registration, Evaluation, Authorisation and |
| Water hazard class : nwg (Germany) | not water endangering |
| SDS Number:100000102885 | 10/12 |

Marlex® TRB-437LS Polyethylene

Version 1.5

15.2

| Major Accident Hazard Legislation | : 96/82/EC Update: 2003 Directive 96/82/EC does not apply |
|--|---|
| Notification status Europe REACH Switzerland CH INV United States of America (USA) TSCA Canada DSL Australia AIIC New Zealand NZIoC Japan ENCS Korea KECI | Not in compliance with the inventory Not in compliance with the inventory On or in compliance with the active portion of the TSCA inventory All components of this product are on the Canadian DSL On the inventory, or in compliance with the inventory On the inventory, or in compliance with the inventory On the inventory, or in compliance with the inventory On the inventory, or in compliance with the inventory A substance(s) in this product was not registered, notified to be registered, or exempted from registration by CPChem according to K-REACH regulations. Importation or manufacture of this product is still permitted provided the Korean Importer of Record has themselves notified the substance or the exported amount does not exceed the minimum threshold quantity of the non-registered substance(s). |
| Philippines PICCS Taiwan TCSI China IECSC | On the inventory, or in compliance with the inventoryOn the inventory, or in compliance with the inventoryOn the inventory, or in compliance with the inventory |
| SECTION 16: Other information | |
| | |
| | Health Hazard: 0 Fire Hazard: 1 Reactivity Hazard: 0 |
| | Fire Hazard: 1 Reactivity Hazard: 0 |
| NFPA Classification : | Fire Hazard: 1 Reactivity Hazard: 0 |
| NFPA Classification : Further information Significant changes since the la previous versions. | Fire Hazard: 1 Reactivity Hazard: 0 |
| NFPA Classification : Further information Significant changes since the la previous versions. The information in this SDS per The information provided in this information and belief at the dat guidance for safe handling, use not to be considered a warranty | Fire Hazard: 1 Reactivity Hazard: 0 t version are highlighted in the margin. This version replaces all ains only to the product as shipped. Safety Data Sheet is correct to the best of our knowledge, e of its publication. The information given is designed only as a processing, storage, transportation, disposal and release and is or quality specification. The information relates only to the may not be valid for such material used in combination with any |
| NFPA Classification : Further information Significant changes since the la previous versions. The information in this SDS per The information provided in this information and belief at the dat guidance for safe handling, use not to be considered a warranty specific material designated and other materials or in any proces | Fire Hazard: 1 Reactivity Hazard: 0 t version are highlighted in the margin. This version replaces all ains only to the product as shipped. Safety Data Sheet is correct to the best of our knowledge, e of its publication. The information given is designed only as a processing, storage, transportation, disposal and release and is or quality specification. The information relates only to the may not be valid for such material used in combination with any |
| NFPA Classification : Further information Significant changes since the la previous versions. The information in this SDS per The information provided in this information and belief at the dat guidance for safe handling, use not to be considered a warranty specific material designated and other materials or in any proces | Fire Hazard: 1 Reactivity Hazard: 0 |

Marlex® TRB-437LS Polyethylene

Version 1.5

| | | | 10010000 Date 2024 10 2 |
|--------|---|-------|--|
| AIIC | Australian Inventory of Industrial Chemicals | LOAEL | Lowest Observed Adverse Effect Level |
| DSL | Canada, Domestic Substances List | NFPA | National Fire Protection Agency |
| NDSL | Canada, Non-Domestic Substances List | NIOSH | National Institute for Occupational Safety & Health |
| CNS | Central Nervous System | NTP | National Toxicology Program |
| CAS | Chemical Abstract Service | NZIoC | New Zealand Inventory of Chemicals |
| EC50 | Effective Concentration | NOAEL | No Observable Adverse Effect Level |
| EC50 | Effective Concentration 50% | NOEC | No Observed Effect Concentration |
| EGEST | EOSCA Generic Exposure Scenario Tool | OSHA | Occupational Safety & Health Administration |
| EOSCA | European Oilfield Specialty Chemicals Association | PEL | Permissible Exposure Limit |
| EINECS | European Inventory of Existing Chemical Substances | PICCS | Philippines Inventory of Commercial Chemical Substances |
| MAK | Germany Maximum Concentration Values | PRNT | Presumed Not Toxic |
| GHS | Globally Harmonized System | RCRA | Resource Conservation Recovery Act |
| >= | Greater Than or Equal To | STEL | Short-term Exposure Limit |
| IC50 | Inhibition Concentration 50% | SARA | Superfund Amendments and Reauthorization Act. |
| IARC | International Agency for Research on Cancer | TLV | Threshold Limit Value |
| IECSC | Inventory of Existing Chemical Substances in China | TWA | Time Weighted Average |
| ENCS | Japan, Inventory of Existing and New Chemical Substances | TSCA | Toxic Substance Control Act |
| KECI | Korea, Existing Chemical Inventory | UVCB | Unknown or Variable Composition, Complex Reaction Products, and Biological Materials |
| <= | Less Than or Equal To | WHMIS | Workplace Hazardous Materials Information System |
| LC50 | Lethal Concentration 50% | ATE | Acute toxicity estimate |