

SAFETY DATA SHEET

Preparation Date: 04/27/2015

Revision Date: 2/5/2016

Revision Number: G2

1. IDENTIFICATION

Product identifier

Product code: T1018
Product Name: 1,1,2,2-TETRACHLOROETHANE

Other means of identification

Synonyms: Tetrachloroethane, 1,1,2,2-
 1,1,2,2-Czterochloroetan [Polish]
 1,1,2,2-Tetrachloorethaan [Dutch]
 1,1,2,2-Tetrachloraethan [German]
 1,1,2,2-Tetrachlorethane [French]
 1,1,2,2-Tetracloroetano [Italian]
 1,1-Dichloro-2,2-dichloroethane
 Acetosal
 Acetylene tetrachloride
 Bonoform
 Cellon
 Dichloro-2,2-dichloroethane
 Ethane, 1,1,2,2-tetrachloro-
 s-Tetrachloroethane
 TCE (ambiguous)
 Tetrachlorethane
 Tetrachloroethane
 Tetrachloroethane (VAN)
 Tetrachlorure d'acetylene [French]
 TCA
 TCE
 1,1,2,2-TCE

CAS #: 79-34-5
RTECS # KI8575000
CI#: Not available

Recommended use of the chemical and restrictions on use

Recommended use: Solvent. Paint remover. Insecticide. Chemical intermediate.
Uses advised against No information available

Supplier: Spectrum Chemical Mfg. Corp
 14422 South San Pedro St.
 Gardena, CA 90248
 (310) 516-8000

Order Online At: <https://www.spectrumchemical.com>

Emergency telephone number Chemtrec 1-800-424-9300
Contact Person: Martin LaBenz (West Coast)
Contact Person: Ibad Tirmiz (East Coast)

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 3
Acute toxicity - Inhalation (Gases)	Category 3
Acute toxicity - Inhalation (Vapors)	Category 3
Acute toxicity - Inhalation (Dusts/Mists)	Category 3
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Carcinogenicity	Category 2
Specific target organ toxicity (repeated exposure)	Category 1

Label elements

Danger

Hazard statements

Toxic if swallowed
Toxic if inhaled
Causes skin irritation
Causes serious eye irritation
Suspected of causing cancer
Causes damage to organs through prolonged or repeated exposure



Hazards not otherwise classified (HNOC)

Not Applicable

Other hazards

Harmful to aquatic life with long lasting effects
Harmful to aquatic life

Precautionary Statements - Prevention

Obtain special instructions before use
Wear protective gloves/protective clothing/eye protection/face protection
Do not handle until all safety precautions have been read and understood
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Use only outdoors or in a well-ventilated area
Wear eye/face protection
Do not breathe dust/fume/gas/mist/vapors/spray
Wear protective gloves

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

Specific treatment (see .? on this label)

Specific treatment (see .? on this label)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

IF ON SKIN: Wash with plenty of soap and water

If skin irritation occurs: Get medical advice/attention

Take off contaminated clothing and wash before reuse

Call a POISON CENTER or doctor/physician. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

Rinse mouth

Precautionary Statements - Storage

Store locked up

Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Weight %
1,1,2,2-Tetrachloroethane 79-34-5	79-34-5	100

4. FIRST AID MEASURES

First aid measures

General Advice:

Poison information centers in each State capital city can provide additional assistance for scheduled poisons (13 1126). Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. First aider needs to protect himself.

Skin Contact:

Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Get medical attention if irritation develops. If skin irritation persists, call a physician.

Eye Contact:

Flush eyes with water for 15 minutes. Get medical attention.

Inhalation:

Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Toxic by inhalation. WARNING! It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled or ingested material is toxic, infectious or corrosive. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Immediate medical attention is required.

Ingestion:

Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Toxic if swallowed. Immediate medical attention is required. Call a physician or Poison Control Center immediately.

Most important symptoms and effects, both acute and delayed

Symptoms

Causes serious eye irritation. Causes skin irritation. Skin contact may result in redness, pain, inflammation, itching, scaling. May cause irritation of respiratory tract. Coughing and wheezing. May cause nausea and headache. Dyspnea (Difficulty breathing and shortness of breath). Central nervous system effects. Inhalation of high concentrations may cause anesthetic effects. May cause drowsiness or dizziness. Confusion. Insomnia. Irritability. Narcosis. May affect behavior/central nervous system (tremor, convulsions). May cause abdominal pain, nausea, vomiting, diarrhea. May affect the liver. Jaundice. It may affect the kidneys. Paresthesia (numbness and tingling of the extremities).

Indication of any immediate medical attention and special treatment needed

Notes to Physician:

Treat symptomatically

Protection of first-aiders

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media:

The product is not flammable. If it is involved in a fire, extinguish the fire using an agent suitable for the type of surrounding fire.

Unsuitable Extinguishing Media:

No information available.

Specific hazards arising from the chemical

Hazardous Combustion Products:

If it is involved in a fire the following may be released:
Carbon monoxide; carbon dioxide; Hydrogen gas

Specific hazards:

Nonflammable
When in contact with flame, incandescent material, or red hot metal surfaces, 1,1,2,2-tetrachloroethane decomposes to form hydrochloric acid/hydrogen chloride, carbon dioxide and carbon monoxide

Special Protective Actions for Firefighters

Specific Methods:

No information available.

Special Protective Equipment for Firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid contact with skin, eyes and clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Use personal protective equipment. Remove all sources of ignition.

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Prevent entry into waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so. Absorb spill with inert material (e.g. vermiculite, dry sand or earth).

Methods for cleaning up Use appropriate tools to put the spilled material in a suitable chemical waste disposal container. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Technical Measures/Precautions:

Provide sufficient air exchange and/or exhaust in work rooms. Keep away from incompatible materials.

Safe Handling Advice

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist. Do not ingest. Keep away from heat and sources of ignition. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Technical Measures/Storage Conditions:

Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Store away from incompatible materials. Store in a segregated and approved area.

Incompatible Materials:

Bases. Caustics. Oxidizing agents. Dinitrogen tetroxide. Sodium. Potassium. Fuming of sulfuric acid. 2,4-dinitrophenyl disulfide.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

National occupational exposure limits

United States

Components	OSHA	NIOSH	ACGIH	AIHA WHEEL
1,1,2,2-Tetrachloroethane 79-34-5	5 ppm TWA 35 mg/m ³ TWA	= 7 mg/m ³ TWA = 1 ppm TWA	= 1 ppm TWA	None

Canada

Components	Alberta	British Columbia	Ontario	Quebec
1,1,2,2-Tetrachloroethane 79-34-5	= 1 ppm TWA = 6.9 mg/m ³ TWA	= 1 ppm TWA	1 ppm TWA	1 ppm TWAEV 6.9 mg/m ³ TWAEV

Australia and Mexico

Components	Australia	Mexico
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1,1,2,2-Tetrachloroethane 79-34-5	6.9 mg/m ³ TWA 1 ppm TWA	= 35 mg/m ³ TWA = 5 ppm TWA
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Appropriate engineering controls

Engineering measures to reduce exposure: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors and mist below their respective threshold limit value.

Individual protection measures, such as personal protective equipment

Personal Protective Equipment

Eye protection: Goggles.

Skin and body protection: Chemical resistant apron. Long sleeved clothing. Gloves.

Respiratory protection: Vapor respirator. Be sure to use an approved/certified respirator or equivalent.

Hygiene measures: Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid	Appearance: No information available	Color: Colorless to pale yellow.
Odor: Sweetish. Suffocating. Chloroform-like.	Taste No information available	Formula: C ₂ H ₂ Cl ₄
Molecular/Formula weight: 167.86 g/mol	Flammability: No information available	Flash point (°C): No data available
Flashpoint (°C/°F): No information available.	Flash Point Tested according to: Not available	Autoignition Temperature (°C/°F): No information available
Lower Explosion Limit (%): No information available	Upper Explosion Limit (%): No information available	pH: No information available
Melting point/range(°C/°F): -43.8°C/ -46.8°F	Boiling point/range(°C/°F): 146.5°C/ 295.7°F	Decomposition temperature(°C/°F): No information available
Bulk density: No information available	Density (g/cm³): No information available	Specific gravity: 1.59
Vapor pressure @ 20°C (kPa): 0.616 @ 25 deg. C. 1.2 @ 30 deg. C.	Evaporation rate: No information available	Vapor density: 5.79
VOC content (g/L): No information available	Odor threshold (ppm): 3	Partition coefficient (n-octanol/water): 2.39
Viscosity: No information available	Miscibility: Miscible with Ethanol Miscible with Ether Miscible with Carbon disulfide Miscible with Carbon tetrachloride Miscible with Chloroform Miscible with Benzene	Solubility: Soluble in Acetone Very slightly soluble in cold water Solubility in water: 1g/ 350 mL @ 25°C Solubility in water: 2900 mg/L @ 20°C

10. STABILITY AND REACTIVITY

Reactivity

Reactive with weak alkali to produce trichloroethylene and in strong alkali, explosive dichloroacetylene is produced.

In presence of steam metals convert tetrachloroethane to 1,2-dichloroethylene.

On heating with solid potassium hydroxide or other base, hydrogen chloride is evolved, and chloroacetylene or dichloroacetylene are formed, which ignite in air.

Explosive with potassium or sodium.

Incompatible with caustics, fuming of sulfuric acid.

Reacts violently with dinitrogen tetraoxide and 2,4-dinitrophenyl disulfide.

Chemical stability

Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur

Conditions to avoid: Incompatible materials. Exposure to air. Exposure to moisture. Contact with flame, incandescent material, red hot metal surfaces.

Incompatible Materials: Bases. Caustics. Oxidizing agents. Dinitrogen tetraoxide. Sodium. Potassium. Fuming of sulfuric acid. 2,4-dinitrophenyl disulfide.

Hazardous decomposition products: Carbon monoxide. Carbon dioxide. Hydrogen chloride gas. When exposed to air, 1,1,2,2-Tetrachloroethane degrades slowly to trichloroethylene and traces of phosgene. In the presence of moisture, 1,1,2,2,-tetrachloroethane gradually decomposes with evolution of hydrochloric acid/hydrogen chloride.

Other Information

Corrosivity: No information available

Special Remarks on Corrosivity: No information available

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Principal Routes of Exposure:

Skin. Eyes. Inhalation. Ingestion.

Acute Toxicity

Component Information

1,1,2,2-Tetrachloroethane - 79-34-5

LD50/oral/rat = 200 mg/kg Oral LD50 Rat (RTECS)
250 mg/kg (EU Chemicals Bureau IUCLID dataset)

LD50/oral/mouse = No information available

LD50/dermal/rat = No information available

LD50/dermal/rabbit = 3990 mg/kg Dermal LD50Rabbit (RTECS)
6400 mg/kg (EU Chemicals Bureau dataset)

LC50/inhalation/rat = 8.6 mg/L Inhalation LC50 Rat 4 h

LC50/inhalation/mouse = 5.5 mg/L 2 h

Other LD50 or LC50 information = No information available

Product Information

Product code: T1018

Product name: 1,1,2,2-
TETRACHLOROETHANE

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LD50/oral/rat =
VALUE- Acute Tox Oral = 200mg/kg

LD50/oral/mouse =
Value - Acute Tox Oral = No information available

LD50/dermal/rabbit
VALUE-Acute Tox Dermal = 3990mg/kg

LD50/dermal/rat
VALUE -Acute Tox Dermal = No information available

LC50/inhalation/rat
VALUE-Vapor = 8.6mg/l (4-hr)
VALUE-Gas = No information available
VALUE-Dust/Mist = No information available

LC50/Inhalation/mouse
VALUE-Vapor = 5.5 mg/L 2-hr
VALUE - Gas = No information available
VALUE - Dust/Mist = No information available

Symptoms

Skin Contact: Causes skin irritation. May cause dryness of the skin in cases of severe exposure. May cause scaling, inflammation and a purpuric rash.

Eye Contact: Causes serious eye irritation.

Inhalation Toxic by inhalation. May cause respiratory tract irritation. Symptoms may include coughing and wheezing, and shortness of breath. Higher exposures can cause build-up of fluid in the lungs (pulmonary edema) with severe shortness of breath. . May cause central nervous system effects, central nervous system depression. May affect behavior/central nervous system (somnolence). It may affect behavior/central nervous system (general anesthetic). May affect behavior/central nervous system (narcosis). Inhalation of vapors may cause drowsiness and dizziness. It may affect behavior/central nervous system (tremors). May affect behavior/central nervous system (confusion). May affect behavior/central nervous system (irritability, insomnia). It may affect behavior/central nervous system (convulsions). May cause fatigue. May cause abdominal pain. May cause headache, nausea, vomiting. May cause loss of appetite. May cause anorexia. May cause bad taste in the mouth. It may affect the liver (hepatotoxin - enlarged liver, elevated liver enzymes, jaundice). May affect the kidneys. May cause paresthesia - a sensation of tingling, tickling, prickling, pricking, or burning of a person's skin.

Ingestion Toxic if swallowed. May cause diarrhea. May affect liver . Effects on behavior/central nervous system.

Aspiration hazard No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic Toxicity Prolonged or repeated inhalation may cause anorexia, diarrhea
Prolonged or repeated ingestion or inhalation may affect the liver
Prolonged or repeated inhalation may affect the kidneys
Prolonged or repeated ingestion may affect the kidneys
Prolonged or repeated inhalation may cause hypermotility, diarrhea
Prolonged or repeated inhalation may cause loss of appetite
Chronic exposure may cause central nervous system effects

Sensitization: No information available

Mutagenic Effects: Mutations in microorganisms
Experiments with bacteria and/or yeast have shown mutagenic effects

Carcinogenic effects: Suspected of causing cancer. Possibly carcinogenic to humans. It has been shown to cause liver cancer in experimental animals.

Components	IARC	ACGIH - Carcinogens	NTP	OSHA HCS - Carcinogens	Australia - Notifiable Carcinogenic Substances	Australia - Prohibited Carcinogenic Substances
1,1,2,2-Tetrachloroethane	Group 2B - Possibly Carcinogenic to Humans - Monograph 106 [2014] Monograph 71 [1999] Supplement 7 [1987] Monograph 20 [1979]	A3 Confirmed Animal Carcinogen with Unknown Relevance to Humans	Not listed	Not listed	Not listed	Not listed

*ACGIH (American Conference of Governmental Industrial Hygienists)
IARC (International Agency for Research on Cancer)*

Reproductive toxicity No data is available

Reproductive Effects: No information available
Developmental Effects: No information available
Teratogenic Effects: No information available

Specific Target Organ Toxicity

STOT - single exposure No information available
STOT - repeated exposure Causes damage to organs through prolonged or repeated exposure.
Target Organs: Liver. Kidneys. Nervous system. Central nervous system. Gastrointestinal tract.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects: Aquatic environment.

1,1,2,2-Tetrachloroethane - 79-34-5

Freshwater Algae Data: 31.4 - 188 mg/L EC50 *Pseudokirchneriella subcapitata* 72 h
40.7 - 344 mg/L EC50 *Pseudokirchneriella subcapitata* 96 h
47 mg/L EC50 *Desmodesmus subspicatus* 96 h

Freshwater Fish Species Data: 20-22 mg/L LC50 *Lepomis macrochirus* 96 h static 1
19.9-20.7 mg/L LC50 *Pimephales promelas* 96 h flow-through 1

Water Flea Data: 16 - 35 mg/L EC50 *Daphnia magna* 48 h

Persistence and degradability: No information available

Bioaccumulative potential: Potential for bioconcentration in aquatic organisms is low.

Mobility: It is expected to have high mobility in soil.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Waste from residues / unused products:

Waste must be disposed of in accordance with Federal, State and Local regulation.

Contaminated packaging:

Empty containers should be taken for local recycling, recovery or waste disposal

Components	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
1,1,2,2-Tetrachloroethane	None	None	None	U209

14. TRANSPORT INFORMATION

DOT

UN-No: UN1702
Proper Shipping Name: 1,1,2,2-Tetrachloroethane
Hazard Class: 6.1
Subsidiary Risk: No information available
Packing Group: II
ERG No: 151
Marine Pollutant: Marine Pollutant
DOT RQ (lbs): No information available
Symbol(s): P, R3

TDG (Canada)

UN-No: UN1702
Proper Shipping Name: 1,1,2,2-Tetrachloroethane
Hazard Class: 6.1
Subsidiary Risk: No information available
Packing Group: II
Description: No information available

ADR

UN-No: UN1702
Proper Shipping Name: 1,1,2,2-Tetrachloroethane
Hazard Class: 6.1
Packing Group: II
Subsidiary Risk: No information available
Classification Code: No information available
Description: No information available
CEFIC Tremcard No: No information available

IMO / IMDG

UN-No: UN1702
Proper Shipping Name: 1,1,2,2-Tetrachloroethane
Hazard Class: 6.1
Subsidiary Risk: P
Packing Group: II
Description: No information available

14. TRANSPORT INFORMATION

IMDG Page: No information available
Marine Pollutant: Marine Pollutant
EMS: F-A
MFAG: No information available
Maximum Quantity: No information available

RID

UN-No: UN1702
Proper Shipping Name: 1,1,2,2-Tetrachloroethane
Hazard Class: 6.1
Subsidiary Risk: No information available
Packing Group: II
Classification Code: No information available
Description: No information available

ICAO

UN-No: UN1702
Proper Shipping Name: 1,1,2,2-Tetrachloroethane
Hazard Class: 6.1
Subsidiary Risk: No information available
Packing Group: II
Description: No information available

IATA

UN-No: UN1702
Proper Shipping Name: 1,1,2,2-Tetrachloroethane
Hazard Class: 6.1
Subsidiary Risk: No information available
Packing Group: II
ERG Code: 6L
Description: No information available

15. REGULATORY INFORMATION

International Inventories

Components	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	CHINA	Australia (AICS)	EINECS-No.
1,1,2,2-Tetrachloroethane	Present	Present KE-33293	Present	Present (2)-56	Present	Present	Present 201-197-8

U.S. Regulations

1,1,2,2-Tetrachloroethane

Massachusetts RTK: Present
New Jersey RTK Hazardous Substance List: 1809
New Jersey (EHS) List: 1809 500 lb TPQ
New Jersey - Discharge Prevention - List of Hazardous Substances: Present
Pennsylvania RTK: Environmental hazard
Pennsylvania RTK - Environmental Hazard List: Present
Pennsylvania RTK - Special Hazardous Substances: Present
Minnesota - Hazardous Substance List: Present
New York Release Reporting - List of Hazardous Substances:
 = 1 lb RQ
Louisiana Reportable Quantity List for Pollutants: Listed
California Directors List of Hazardous Substances: Present

California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.

Chemicals Known to the State of California to Cause Cancer:

WARNING: This product contains a chemical known to the State of California to cause cancer. (See table below)

Chemicals Known to the State of California to Cause Reproductive Toxicity:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Components	Carcinogen	Developmental Toxicity	Male Reproductive Toxicity	Female Reproductive Toxicity:
1,1,2,2-Tetrachloroethane	carcinogen	Not Listed	Not Listed	Not Listed

CERCLA/SARA

Components	CERCLA - Hazardous Substances and their Reportable Quantities	Section 302 Extremely Hazardous Substances and TPQs	Section 302 Extremely Hazardous Substances and RQs	Section 313 - Chemical Category	Section 313 - Reporting <i>de minimis</i>
1,1,2,2-Tetrachloroethane	= 100 lb final RQ = 45.4 kg final RQ	None	None	None	1.0 % de minimis concentration

U.S. TSCA

Components	TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)	TSCA 8(d) -Health and Safety Reporting
1,1,2,2-Tetrachloroethane	Not Applicable	Not Applicable

Canada**WHMIS hazard class:**

D1A Very toxic materials

1,1,2,2-Tetrachloroethane

D1A

Canada Controlled Products Regulation:

This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all of the information required by the CPR.

Components	WHMIS Ingredient Disclosure List -
1,1,2,2-Tetrachloroethane	1 %

Inventory

Components	Canada (DSL)	Canada (NDSL)
1,1,2,2-Tetrachloroethane	Present	Not Listed

Components	CEPA Schedule I - Toxic Substances	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
1,1,2,2-Tetrachloroethane	Not listed	Not listed

EU Classification**R-phrases(s)**

R51 - Toxic to aquatic organisms.

R53 - May cause long-term adverse effects in the aquatic environment.

R26/27 - Very toxic by inhalation and in contact with skin.

S -phrase(s)

S38 - In case of insufficient ventilation, wear suitable respiratory equipment.

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S61 - Avoid release to the environment. Refer to special instructions/safety data sheets.

S 1/2 - Keep locked up and out of the reach of children.

Components	Classification	Concentration Limits:	Safety Phrases
1,1,2,2-Tetrachloroethane	T+; R26/27 N; R51-53	25%≤C: T+,N; R26/27-51/53 7%≤C<25%: T+; R26/27-52/53 2.5%≤C<7%: T; R23/24-52/53 1%≤C<2.5%: T; R23/24 0.1%≤C<1%: Xn; R20/21	S1/2 S38 S45 S61

The product is classified in accordance with Annex VI to Directive 67/548/EEC

Indication of danger:

T+ - Very toxic.

N - Dangerous for the environment.



16. OTHER INFORMATION

16. OTHER INFORMATION

Preparation Date: 04/27/2015
Revision Date: 2/5/2016
Prepared by: Sonia Owen

Disclaimer:

All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

End of Safety Data Sheet