Water Tight Technologies, LLC
P.O. Box 899
Payson, AZ 85547

SECTION 1 - IDENTIFICATION

Trade Name: TPO Cut Edge Sealant
Product Item #: TCES
Relevant Uses: Sealant for TPO roofing membrane
Details of Supplier of SDS:

Water Tight Technologies, LLC
P.O. Box 899, Payson, AZ 85547
888-649-1020

Emergency Telephone Number: CHEMTREC – US: 800-424-9300; International: 703-527-3887

SECTION 2 – HAZARDS IDENTIFICATION

Classification of substance/mixture in accordance with paragraph (d) CFR 1910.1200.:

Flammable liquids – Category 2
Acute Toxicity: Inhalation, Category 4
Skin Corrosion/irritation, Category 2
Specific target organ toxicity – single exposure, Category 3
Specific target organ toxicity – repeated exposure, Category 2
Reproductive Toxicity, Category 2

NFPA Rating (0=Least Severe and 4= Most Severe): Health = 2; Fire = 3; Reactivity = 0

GHS Label Elements:

Hazard Pictograms


GHS02


GHS08


GHS07

Signal Work – DANGER

Hazard Statements:
H225: Highly flammable liquid and vapor.
H373: May cause damage to organs through prolonged or repeated exposure.
H315: Causes skin irritation.
H361: May cause respiratory irritation.
H336: May cause drowsiness or dizziness.
H304: May be fatal if swallowed and enters airways.

Precautionary Statements:
[201]: Review special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P210: Keep away from heat/sparks/open flames/hot surfaces. No Smoking.
P233: Keep container tightly closed.
P240: Ground/bond container and receiving equipment.
P243: Use only non-sparking tools. Take precautionary measures against static discharge.
P260: Avoid breathing dust/fumes/gas/mist/vapors/spray.
P264: Wash skin thoroughly after handling.
P241: Use explosion -proof electrical/ventilating/lighting equipment.
P271: Use only outdoors or in a well-ventilated area.
P273: Avoid release into the environment.
P280: Wear protective gloves/clothing as well as eye/face protection.

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Response:

P301+P310: IF SWALLOWED: immediately call a POISON CENTER or physician.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P303+P361+P353: IF ON SKIN(or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313: If exposed or concerned get medical advice/attention.
P312: Call a Poison CENTER or doctor/physician if you feel unwell.
P314: Get medical attention if you feel unwell.
P331: Do not induce vomiting.
P332+p313: If skin irritation occurs: Get medical advice/attention.
P337+P313: If eye irritation persists: Get medical advice/attention.
P342+P311: If experiencing respiratory symptom: Call a POISON CENTER or physician.
P362: Take off contaminated clothing and wash before reuse.
P370+P378: In case of fire: Use appropriate media to extinguish.
P391: Collect spillage.

Storage

P403+P235: Store in a well-ventilated place. Keep cool.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P405: Store locked up.

Disposal

P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: DANGER! Extremely flammable liquid and vapor. Vapor may cause flash fire and explosion. Harmful or fatal if swallowed. Harmful if absorbed through the skin. Pulmonary aspiration hazard. After ingestion, may enter lungs and produce damage. High vapor concentrations may cause drowsiness. Can cause eye, skin and respiratory tract irritation.

POTENTIAL HEALTH EFFECTS

EYES: Can cause sever eye irritation and corneal damage.
SKIN: Causes defatting and skin irritation. Can cause dermatitis.
SKIN ABSORPTION: May be absorbed through the skin in harmful amounts.
INGESTION: Can cause gastrointestinal irritation, nausea and vomiting.
Aspiration of material into the lungs may cause chemical pneumonitis, which can be fatal.
Harmful or fatal if swallowed.
INHALATION: May cause nose or throat irritation. High concentrations may lead to central nervous system effect (drowsiness, dizziness, nausea, headaches, paralysis and loss of consciousness).
ROUTES OF ENTERY: Eye Contact, Ingestion, Inhalation, Skin Absorption, and Skin Contact.
TARGET ORGAN STATEMENT: Centeral Nervous System (CNS.
IRRITANCY: Eyes, nose, throat, respiratory tract, and skin irritation.

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SECTION 3 – COMPOSITION AND INFORMATION ON HAZARDOUS INGREDIENTS

Chemical characterization: Mixtures
Description: Mixture of the substances listed below plus non-hazardous additions.

Dangerous components:

CAS#		% of Mixture
108-88-3	Touene	45-70%
1330-20-7	Xylene(o-, m-, p-Isomers)	15-40%

SECTION 4 – FIRST-AID MEASURES

General Information: Symptoms of poisoning may occur after several hours; therefore medical observation for at least 48 hours after the accident.

After Inhalation: If overexposure occurs, remove to fresh air and seek medical attention. If required, provide artificial respiration. If breathing is difficult, give oxygen. Consult physician.
After Skin Contact: Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing and shoes immediately. Wash contaminated clothing before re-use. If symptoms occur contact a physician.
After Eye Contact: Rinse opened eye for at least 15 minutes under running water, occasionally lifting upper and lower eyelids. Then consult a doctor.
After Swallowing: Seek medical treatment immediately. Wash out mouth with water and remove dentures, if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that the vomit does not enter the lungs. Never give anything my 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 collar, tie, belt or waistband.

Most important symptoms and effects, both acute and delayed:

Eye Contact: causes serious eye injury.
Inhalation: harmful if inhaled. Can cause central nervous system depression. May cause drowsiness and dizziness.
Skin Contact: Causes skin irritation.
Ingestion: Can cause central nervous system depression. May be fatal if swallowed and enters airways. Irritating to mouth, throat and stomach.

Over-exposure adverse signs and symptoms:

Eye contact: symptoms may include pain/irritation, watering and redness.

Inhalation: symptoms may include nausea/vomiting, headache, drowsiness/fatigue, dizziness/vertigo or unconsciousness.

Skin contact: symptoms may include irritation and redness.

Ingestion: symptoms may include nausea or vomiting.

Skin Absorption: May be absorbed through the skin and can contribute to overall esxposure. Effects are similar to CNS depression.

INGESTION: May result in central nervous system (CNS) depression with symptoms such as headaches, nausea, vomiting, diarrhea, dizziness, in-coordination and unconsciousness. Aspiration of material into lungs may cause chemical pneumonitis which can be fatal.

INHALATION: High vapor concentrations may cause CNS depression with symptoms including light headedness, giddiness, nausea, drowsiness, headache, nose, throat and respiratory tract irritation, reduced appetite, confusion, and unconsciousness.

ACUTE TOXICITY: High vapor concentrations may cause CNS depression with symptoms including light headedness, giddiness, nausea, drowsiness, headache, nose, throat and respiratory tract irritation, reduced appetite, confusion, and unconsciousness.

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Chronic Effects: Damage to the nervous system of the extrmities, peripheral neurophathy, with symptoms including numbness, tingling and weakness in the toes and fingers, sensory impairment to touch, pain, vibration and temperature, muscular weakness, blurred vision, coldness of extremities, loss of body weight and reflexes, and even paralysis. Frequent or prolonged contact may irritate the skin and cause a skin rash (dermatitis).

SECTION 5 – FIRE-FIGHTING MEASURES

FLAMMABLE CLASS: Class IB
GENERAL HAZARD: Flammable liquid and vapor.
Extinguishing Media:
Suitable extinguishing agents: Dry chemical, CO2, water spray (fog) or foam.
For safety reasons unsuitable extinguishing agents: Water with full jet.

Explosion Hazards: Avoid fire, sparks, static electricity and hot surfaces. Liquid readily evaporates at room/ambient temperature. Vapors are invisible, flammable, heavier than air, and may accumulate in low areas and spread long distances. Distant ignition and flashback are possible.

Hazardous Combustion Products:
Carbon Monoxide, Carbon Dioxide, Aldehydes.

Fire Fighting Measures:
As in any fire, wear self-contained breathing apparatus with pressure-demand, full face piece SCBA (MSHA/NIOSH approved or equivalent) and full protective gear.

Sensitive to Static Discharge:
Likely to catch fire from near-by spark. Static charge may accumulate by flow or agitation. Grounding and bonding of container is required.

Hazardous Decomposition Products:
Carbon Monoxide and Carbon Dioxide may form when heated to decomposition.
Advice for Firefighters:
Specific hazards during firefighting: Extremely flammable. Forms or accumulates static electricity, may cause fire or explosion. Vapors may form explosive mixtures with air. Vapors are heavier than air and may spread along floors. Vapors may travel to areas away from worksite before igniting/flashing back to vapor source.
In case of fire hazardous decomposition products may be produced such as carbon monoxide and carbon dioxide.
Protective equipment: Wear self-contained breathing apparatus and protective clothing.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material on absorbent, such as sawdust or vermiculite, and sweep into closed containers for disposal. After all visible traces, including ignitable vapors have been removed, thoroughly wet vacuum the area.
Do not flush waste water to sewer. If area of spill is porous, remove as much contaminated earth and gravel as necessary and place in closed containers for disposal. Only those persons who are adequately trained, authorized, and wearing the required personal protective equipment (PPE) should participate in spill response and clean-up.

LARGE SPILL: Keep spectators away. Only those persons who are adequately trained, authorized, and wearing the required personal protective equipment (PPE) should participate in spill response and clean-up.
Ventilate the area by natural means or by explosion prof mechanical mean (i.e. fans). Eliminate all ignition sources (flames, hots surfaces, prtable heater and sources of electrical, static, or frictional sparks). Dike and contain spill with inert material (e.g. sand, earth). Transfer liquids to covered and labeled metal containers for recovery or absorbent diking materials in covered metal containers for disposal.
Use only non-sparking tools and appropriate PPE. Place absorbent diking materials in covered metal containers for disposal. Prevent contamination of sewers, streams, and ground water with spilled material and/or used absorbent.

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SECTION 7 – HANDLING AND STORAGE

GENERAL PROCEDURES:
For professional or industrial use only. Follow label instructions. Keep out of the reach of children. Not for consumption. No smoking. Do not breathe vapors. Avoid reuse of empty containers. Ensure good ventilation/exhaustion at the workplace. Wear personal protective equipment. Do not smoke, swallow or breath vapors or spray mist. Avoid contact with skin, eyes and clothing. Do not cut, drill, grind, or expose containers to heat, spark, static electricity or other source of ignition. Explosion my occur causing injury or death.

HANDLING: Use adequate ventilation and appropriate protection to avoid breathing vapors when container is open. Ground and bond all equipment when handling flammable solvent-borne material.

STORAGE: Keep container closed when not in use. Store in a dry, well ventilated area, out of the sun and away from ignition sources. Do not remover or deface label. Prevent moisture from entering the container.

STORAGE TEMPERATURE: 15.5^{0}C (60^{0}F) Minimum to 35^{0}C (95^{0}F) Maximum.

Incompatible Materials:
Strong oxidizing agents, acids, bases

Information about protection against explosion and fires:
Keep ignition sources away. No not smoke. Protect against electrostatic charges.
Keep respiratory protective device available. This liquid may form an ignitable vapor-air mixture in closed containers. This liquid may accumulate static electricity even when transferred into properly grounded containers. Bonding and grounding may be insufficient to remove static electricity and may be inadequate to eliminate fire and explosion hazards associated with electrostatic charges.
Static electricity accumulation may be significantly increased by the presence of small quantities of water.
In addition to bonding and grounding, efforts to mitigate the hazards of an electrostatic discharge may include, but are not limited to ventilation, inerting, and/or reducing of transfer velocities. Always keep the nozzle in contact with the container throughout the loading process.
Use explosion proof equipment and only non-sparking tools.
Keep product and empty container away from heat and sources of ignition.

NO SMOKING.

Storage:
Store in a cool location away from direct heat, per local regulations as a flammable liquid in a segregated approved area.
Store in original container protected from direct sunlight in a dry, cool and well-ventilated area away from incompatible materials, food and drink.
Store locked-up in an area separate from oxidizing materials.
Keep container tightly closed and sealed until ready for use. Do not store in unlabeled containers.
Use appropriate containment to avoid environmental contamination.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with limit values that require monitoring at the work place:

Toluene	**108-88-3**	
OSHA (US)	200 ppm TWA 300 ppm TWA STEL Ceiling	
ACGIH	20 ppm TWA	
XYLENE (0-, m-, p-Isomers)	**1330-20-7**	
OSHA (US)	100 ppm TWA; 435 mg/m^3 TWA	
ACGIH	100 ppm TWA; 434 mg/m^3 TWA	150 ppm; 651 mg/^{3} STEL

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General engineering controls:
Use only with adequate ventilation in an area equipped with explosion-proof exhaust ventilation. Use engineering controls/ventilation to keep airborne contaminates below recommended statutory limits and keep gas, vapor or dust concentrations below any lower explosive limits.

Individual Protection Measures, such as Personal Protective Equipment

Eye/face protection
Wear safety glasses with side shields (or goggles) or a full face respirator.

Skin Protection
Wear chemical protective clothing & boots to prevent prolonged skin contact. Wear impervious gloves.

Protection of hands:
The glove material has to be impermeable to the product/the substance/the preparation.
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is preparation of several substances, the resistance of the glove material; cannot be calculated in advance and therefore has to be check prior to the application.

Respiratory Protection:
NIOSH/MSHA approved air purifying respirator with an organic cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Use approved respiratory protection equipment when airborne exposure is excessive. Consult the respirator manufacturer to determine the appropriate type of equipment for a given application. Observe respirator use limitations specified by the manufacturer. Respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warranty a respirator's use.

Glove Recommendations:
Wear appropriate chemical resistant gloves such a nitrile rubber.

General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.
Store protective clothing separately.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance	viscous liquid	**Physical State**	liquid
Odor	solvent-like	**Color**	clear
Boiling Point Range	110.6°C (231°F) to 137°C (278°F)	**Flammability Limit**	1.0 to 7.1
Autoignition	526°C (980°F)	**Flash Point**	8.9°C (48°F)
Specific Gravity (water=1)	0.872	**% Volatile (by weight)**	84.1
Vapor Density (air=1)	4	**VOC**	732.800 g/L EPA method 24
Density	7.27 lbs/gal		

COMMENTS: 5.27 lb VHAP/lb Solid 84.1% by weight HAP

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SECTION 10 – STABILITY AND REACTIVITY

Reactivity:
No reactivity hazard is expected.

Chemical Stability:
Stable under normal conditions of use.

Possibility of Hazardous Reactions:
Hazardous polymerization will not occur.

Conditions to Avoid:
Avoid fire, sparks, static electricity and hot surfaces.

Incompatible Materials:
Strong oxidizing agents, strong acids and strong bases.

Hazardous decomposition products:
Carbon monoxide and carbon dioxide may form when heated to decomposition.

SECTION 11 – TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure
Inhalation:
May cause respiratory irritation.

Skin Contact:
Causes skin irritaion.

Irritation:
Eyes, nose, throat, repiratory tract irritation.

Corrosivity:
Not applicable.

Neurotoxicity:
Not applicable.

Genetic Effects:
Not applicable.

Mutagenicity:
May cause respiratory irritation.

Reproductive Effects:
This product contains toluene, a chemical known to the state of Californis to cause birth decfects or other reproductive harm.

Component Analysis- LD50/LC50
The components of this material have been reviewed in varios souirces and the following selected endpoints are published:
Toluene (108088-3)
- Oral LD50 Rat 2600 mg/kg - 7500 mg/kg
- Dermal LD50 Rabbit 12,124 mg/kg
- Inhalation LD50 Rat 8000 ppm (4 hr dose)

Xylene (1330-20-7)
- Oral LD50 Rat 4300 mg/kg
- Dermal LD50 Rabbit 2000 mg/kg
- Inhalation LD50 Rat 26800 ppm

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Component Carcinogenicity

Toulene	CAS# 108-88-3
IARC	3
Xylene(o-, m-, p-Isomers)	CAS# 1330-20-7
IARC	3

SECTION 12 – ECOLOGICAL INFORMATION

Environmental Data:
This product contains components that will normally float on water, These components may be harmful to aquatic organisms and may cause long term advers effects in the lquatic environment.

Ecotoxicological Information:
Contains components that are potentiall toxic to freshwater and saltwater ecosystems.

Chemical Name:	Weight %	CAS#
Touene	45-70%	108-88-3
Xylene(o-, m-, p-Isomers)	15-40%	1330-20-7

Bioaccumulation/Accumulation
Contains components with the potential to bio-accumulate.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste treatment methods:
Recommendation – Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings:
Recommendation: disposal must be made according to local, regional, national, international regulations.

SECTION 14 – TRANSPORTATION INFORMATION

US DOT Information:

UN/Number :	UN1133
UN proper shipping name :	Adhesives, containing a flammable liquid
Transport hazard class(es) :	3 Flammable liquids
Packing group:	II
NAERG:	128
Marine Pollutant #1:	None
OTHER SHIPPING INFORMATION:	Contains (Toluene, Xylene)
SPECIAL SHIPPING NOTES:	If individual container size is less than 1.3 gallons, the proper shipping name is: ORM-D Consumer Commodity Non-Regulated

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SECTION 15 – REGULATORY INFORMATION

US Federal Regulations:

None of this products components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

SARA Section 311/312 (40 CFR 370 Subparts B and C)

Acute Health: Yes **Chronic Health:** Yes **Fire:** Yes **Pressure:** No **Reactivity:** N

EPCRA section 313 supplier notification

Chemical Name:	Weight %	CAS
Touene	45-70%	108-88-3
Xylene(o-, m-, p-Isomers)	15-40%	1330-20-7

CERCLA (Comprehensive Response, Compensation, and Liability Act)

Chemical Name:	Weight %	CERCLA RQ
Touene	45-70%	
Xylene(o-, m-, p-Isomers)	15-40%	100

TSCA (Toxic Substance Control Act)

Chemical Name:	CAS	TSA SECTION
Touene	108-88-3	1000 lbs.
Xylene(o-, m-, p-Isomers)	13220-20-7	8a, 8d, 12b.

CLEAN AIR ACT

Chemical Name:	Weight %	CAS
Touene	45-70 %	108-88-7
Xylene(o-, m-, p-Isomers)	15- 40 %	1320-20-7

CALIFORNIA PROPOSITION 65:

This producty contains toluene, a chemical know to the state of California to cause birth defects or other reproductive harm.

Chemical Name:	Weight %	LISTED
Touene	45-70 %	Developmental Toxicity

STATES WITH SPECIAL REQUIREMENTS

Chemical Name	Requirements
Toluene	New Jersey Right to Know List Pennsylvania Right to Know List Massachusetts Toxic Use Reduction Act (TURA)Reportable Chemical
Xylene (o-, m-, p-Isomers)	New Jersey Right to Know List Pennsylvania Right to Know List Massachusetts Toxic Use Reduction Act (TURA) Reportable Chemical Illinois Right to Know List Minnesota Right to Know List Rhode Island Right to Know List

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Canadian WHMIS Ingredient Disclosure List (IDL):
CANADA
WHMIS HAZARD SYMBOL AND CLASSIFICATION

Flammable Liquid

Toxic

Domestic substance (inventory): Toluene and Xylene are specified on the Canadian Domestic Substance List (DSL).

SECTION 16 – OTHER INFORMATION

HMIS Rating

Health: 2 Fire: 3 Reactivity: 0 Personal Protection: B
Hazard Scale: 0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious 4 = Severe*, = Chronic hazard

NFPA Ratings

Health: 2, Fire: 3, Reactivity: 0
Hazard Scale: 0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe

Summary of Changes

Revision Date: April 15, 2026
Revision Information: General Update
The information herein is presented in good faith and believed to be correct as of the date hereof. Information is based upon supplier-issued safety data sheets and may be subject to error. If apprised of changes, updated SDS will be promptly issued. Users must make their determination regarding the suitability of the product for their own purposes prior to use. In no event will Water Tight Technologies, LLC be responsible for damages of any nature whatsoever resulting from the use or reliance on the information set forth in the SDS.

Key/Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of LIsts™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH -Philippines; RCRA - Resource Conservation and Recovery Act; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States.