4206 SOUTH GENERAL BRUCE DRIVE TEMPLE, TX 76502 main: 254.778.8701 toll-free:800.792.3070

fax: 254.778.3422

Page: 1/14

Safety Data Sheet

Acc. to OSHA HCS (29 CFR 1910.1200)

Revision: December 2, 2022

#### 1 Identification

- · Product identifier
- · Trade name: RSI-TX5 Lacquer Thinner
- · Other means of identification: No other identifiers
- · Recommended use and restriction on use
- · Recommended use:

Paint additive Industrial uses.

- · Restrictions on use: No relevant information available.
- Details of the supplier of the Safety Data Sheet
- · Manufacturer/Supplier:

TTS Distribution, Inc.

4208 South General Bruce Dr.

Temple, TX 76502

P: 254-778-8701

F: 254-778-3422

orders@ttsdistribution.com

Emergency telephone number:

CHEMTREC

1-800-424-9300 (US/Canada)

#### 2 Hazard(s) identification

#### Classification of the substance or mixture

Flam. Liq. 2 H225 Highly flammable liquid and vapor.

Acute Tox. 3 H301 Toxic if swallowed.

Acute Tox. 3 H311 Toxic in contact with skin.

Acute Tox. 3 H331 Toxic if inhaled.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

H361 Suspected of damaging fertility or the unborn child. Route of exposure: Inhalation.

STOT SE 1 H370 Causes damage to the central nervous system and optic nerve.

STOT SE 3 H336 May cause drowsiness or dizziness.

STOT RE 2 H373 May cause damage to the central nervous system through prolonged or repeated exposure. Route of exposure: Inhalation.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

- · Additional information: Repeated exposure may cause skin dryness or cracking.
- · Label elements
- GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms:

(Cont'd. on page 2)



main: 254.778.8701 toll-free:800.792.3070 fax: 254.778.3422

Page: 2/14

## Safety Data Sheet

Acc. to OSHA HCS (29 CFR 1910.1200)

Revision: December 2, 2022

Trade name: RSI-TX5 Lacquer Thinner

(Cont'd. of page 1)









GHS02 GHS06 GHS07 GHS08

· Signal word: Danger · Hazard statements:

H225 Highly flammable liquid and vapor.

H301+H311+H331 Toxic if swallowed, in contact with skin or if inhaled.

H315 Causes skin irritation.
H319 Causes serious eve irritation.

H361 Suspected of damaging fertility or the unborn child. Route of exposure: Inhalation.

H370 Causes damage to the central nervous system and optic nerve.

H336 May cause drowsiness or dizziness.

H373 May cause damage to the central nervous system through prolonged or repeated

exposure. Route of exposure: Inhalation.

H304 May be fatal if swallowed and enters airways.

Precautionary statements:

P201 Obtain 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 Take precautionary measures against static discharge.

P260 Do not breathe mist/vapors/spray. P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves / eye protection / face protection.
P301+P310 If swallowed: Immediately call a poison center/doctor.

P330 Rinse mouth.

P331 Do NOT induce vomiting.

P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with

water/shower.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P311 Call a poison center/doctor.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P332+P313 If skin irritation occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention.

P361+P364 Take off immediately all contaminated clothing and wash it before reuse.

P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.

P403+P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

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

regulations.

(Cont'd. on page 3)

main: 254.778.8701 toll-free:800.792.3070 fax: 254.778.3422

Page: 3/14

## Safety Data Sheet

Acc. to OSHA HCS (29 CFR 1910.1200)

Revision: December 2, 2022

Trade name: RSI-TX5 Lacquer Thinner

(Cont'd. of page 2)

Other hazards There are no other hazards not otherwise classified that have been identified.

## 3 Composition/information on ingredients

· Chemical characterization: Mixtures

· Components:					
108-88-3	Toluene	<ul> <li>Flam. Liq. 2, H225</li> <li>Repr. 2, H361; STOT RE 2, H373; Asp. Tox. 1, H304</li> <li>Skin Irrit. 2, H315; STOT SE 3, H336</li> </ul>	25-50%		
67-56-1	Methanol	<ul> <li>Flam. Liq. 2, H225</li> <li>Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331</li> <li>STOT SE 1, H370</li> <li>Eye Irrit. 2B, H320</li> </ul>	25-50%		
67-64-1	Acetone	<ul><li>♠ Flam. Liq. 2, H225</li><li>♠ Eye Irrit. 2A, H319; STOT SE 3, H336</li></ul>	10-25%		

#### Additional information:

For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret. For the wording of the listed Hazard Statements, refer to section 16.

#### 4 First-aid measures

#### Description of first aid measures

#### General information:

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

#### · After inhalation:

Supply fresh air.

Seek immediate medical advice.

Provide oxygen treatment if affected person has difficulty breathing.

In case of unconsciousness place patient stably in side position for transportation.

#### · After skin contact:

Immediately remove any clothing soiled by the product.

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

#### · After eye contact:

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

#### After swallowing:

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; immediately call for medical help.

A person vomiting while lying on their back should be turned onto their side.

Most important symptoms and effects, both acute and delayed:

Coughing

(Cont'd. on page 4)

main: 254.778.8701 toll-free:800.792.3070 fax: 254.778.3422

Page: 4/14

(Cont'd. of page 3)

# Safety Data Sheet Acc. to OSHA HCS (29 CFR 1910.1200)

Revision: December 2, 2022

Trade name: RSI-TX5 Lacquer Thinner

Causes eye irritation.

Breathing difficulty

Nausea

May cause gastro-intestinal irritation if ingested.

Slight irritant effect on skin and mucous membranes.

Blindness

Disorientation

· Danger:

Danger of pulmonary edema.

Danger of pneumonia.

Danger of disturbed cardiac rhythm.

Danger of circulatory collapse.

Danger of impaired breathing.

May cause drowsiness or dizziness.

Toxic if swallowed, in contact with skin or if inhaled.

May cause damage to the central nervous system through prolonged or repeated exposure. Route of exposure: Inhalation.

Causes damage to the central nervous system and optic nerve.

Suspected of damaging fertility or the unborn child. Route of exposure: Inhalation.

Indication of any immediate medical attention and special treatment needed:

If swallowed or in case of vomiting, danger of entering the lungs.

Later observation for pneumonia and pulmonary edema.

Medical supervision for at least 48 hours.

If necessary oxygen respiration treatment.

Monitor circulation, possible shock treatment.

### 5 Fire-fighting measures

- Extinguishing media
- · Suitable extinguishing agents:

Foam

Fire-extinguishing powder

Alcohol resistant foam

Carbon dioxide

Gaseous extinguishing agents

- For safety reasons unsuitable extinguishing agents: Water stream.
- · Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

- Advice for firefighters
- · Protective equipment:

Wear self-contained respiratory protective device.

Do not inhale explosion gases or combustion gases.

Wear fully protective suit.

Additional information:

Eliminate all ignition sources if safe to do so.

Use large quantities of foam as it is partially destroyed by the product.

(Cont'd. on page 5)

#### 4206 SOUTH GENERAL BRUCE DRIVE TEMPLE, TX 76502 main: 254.778.8701 toll-free:800.792.3070

fax: 254.778.3422

Page: 5/14

## Safety Data Sheet

Acc. to OSHA HCS (29 CFR 1910.1200)

Revision: December 2, 2022

Trade name: RSI-TX5 Lacquer Thinner

Cool endangered containers with water fog.

(Cont'd. of page 4)

#### 6 Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Use respiratory protective device against the effects of fumes/dust/aerosol.

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation.

Keep away from ignition sources.

Protect from heat.

### Environmental precautions

Do not allow to enter sewers/ surface or ground water.

Prevent from spreading (e.g. by damming-in or oil barriers).

#### Methods and material for containment and cleaning up

Absorb with non-combustible liquid-binding material (sand, diatomite, acid binders, universal binders). Send for recovery or disposal in suitable receptacles.

#### Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

### 7 Handling and storage

- ·Handling
- · Precautions for safe handling:

Avoid splashes or spray in enclosed areas.

Use only in well ventilated areas.

Avoid contact with the eyes and skin.

Open and handle receptacle with care.

#### Information about protection against explosions and fires:

Highly flammable liquid and vapor.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Emergency cooling must be available in case of nearby fire.

#### Conditions for safe storage, including any incompatibilities

#### Requirements to be met by storerooms and receptacles:

Store in cool, dry conditions in well sealed receptacles.

Avoid storage near extreme heat, ignition sources or open flame.

#### Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from oxidizing agents.

**Specific end use(s)** No relevant information available.

(Cont'd. on page 6)

4206 SOUTH GENERAL BRUCE DRIVE TEMPLE, TX 76502 main: 254.778.8701 toll-free:800.792.3070 fax: 254.778.3422

fax: 254.778.3422 Page: 6/14

## Safety Data Sheet

Acc. to OSHA HCS (29 CFR 1910.1200)

Revision: December 2, 2022

Trade name: RSI-TX5 Lacquer Thinner

(Cont'd. of page 5)

8 Exposure co	ontrols/personal protection					
· Control parameters						
Components with limit values that require monitoring at the workplace:						
108-88-3 Toluene						
PEL (USA)	Long-term value: 200 ppm Ceiling limit value: 300; 500* ppm *10-min peak per 8-hr shift					
REL (USA)	Short-term value: 560 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm					
TLV (USA)	Long-term value: 75 mg/m³, 20 ppm BEI					
EL (Canada)	Long-term value: 20 ppm R					
EV (Canada)	Long-term value: 20 ppm					
LMPE (Mexico)	Long-term value: 20 ppm A4, IBE					
67-56-1 Methar	nol					
PEL (USA)	Long-term value: 260 mg/m³, 200 ppm					
REL (USA)	Short-term value: 325 mg/m³, 250 ppm Long-term value: 260 mg/m³, 200 ppm Skin					
TLV (USA)	Short-term value: 328 mg/m³, 250 ppm Long-term value: 262 mg/m³, 200 ppm Skin; BEI					
EL (Canada)	Short-term value: 250 ppm Long-term value: 200 ppm Skin					
EV (Canada)	Short-term value: 325 mg/m³, 250 ppm Long-term value: 260 mg/m³, 200 ppm Skin					
LMPE (Mexico)	Short-term value: 250 ppm Long-term value: 200 ppm PIEL, IBE					
67-64-1 Aceton	ne					
PEL (USA)	Long-term value: 2400 mg/m³, 1000 ppm					
REL (USA)	Long-term value: 590 mg/m³, 250 ppm					
TLV (USA)	Short-term value: 1187 mg/m³, 500 ppm Long-term value: 594 mg/m³, 250 ppm BEI					
EL (Canada)	Short-term value: 500 ppm					
	(C	ont'd. on page				



main: 254.778.8701 toll-free:800.792.3070

fax: 254.778.3422

Page: 7/14

(Cont'd. of page 6)

## Safety Data Sheet

Acc. to OSHA HCS (29 CFR 1910.1200)

Revision: December 2, 2022

Trade name: RSI-TX5 Lacquer Thinner

Long-term value: 250 ppm

EV (Canada) Short-term value: 750 ppm

Long-term value: 500 ppm

LMPE (Mexico) Short-term value: 750 ppm Long-term value: 500 ppm

A4, IBE

## · Ingredients with biological limit values:

#### 108-88-3 Toluene

BEI (USA) 0.02 mg/L

Medium: blood

Time: prior to last shift of workweek

Parameter: Toluene

0.03 mg/L Medium: urine Time: end of shift Parameter: Toluene

0.3 mg/g creatinine Medium: urine Time: end of shift

Parameter: o-Cresol with hydrolysis (background)

### 67-56-1 Methanol

BEI (USA) 15 mg/L

Medium: urine Time: end of shift

Parameter: Methanol (background, nonspecific)

### 67-64-1 Acetone

BEI (USA) 50 mg/L

Medium: urine Time: end of shift

Parameter: Acetone (nonspecific)

#### Exposure controls

#### General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

#### Engineering controls:

Take precautionary measures against static discharge.

Ground/bond container and receiving equipment.

· Breathing equipment:

(Cont'd. on page 8)

## 4206 SOUTH GENERAL BRUCE DRIVE TEMPLE, TX 76502 main: 254.778.8701

toll-free:800.792.3070 fax: 254.778.3422

Page: 8/14

## Safety Data Sheet

Acc. to OSHA HCS (29 CFR 1910.1200)

Revision: December 2, 2022

Trade name: RSI-TX5 Lacquer Thinner

(Cont'd. of page 7)



Combined Organic Vapor and Particulate Respirator is recommended for use during all processing activities.

· Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Eye protection:



Safety glasses

- · Body protection: Solvent resistant protective clothing
- Limitation and supervision of exposure into the environment

No relevant information available.

· Risk management measures No relevant information available.

9 Physical and chemical properties					
Information on basic physical and chemical properties					
· Appearance:					
Form:	Liquid				
Color:	Whitish				
Odor:	Like ketone				
· Odor threshold:	Not determined.				
· pH-value:	Not determined.				
Melting point/Melting range:	Not determined.				
· Boiling point/Boiling range:	55 °C (131 °F)				
· Flash point:	-16 °C (3.2 °F)				
· Flammability (solid, gaseous):	Not applicable.				
Auto-ignition temperature:	455 °C (851 °F)				
Decomposition temperature:	Not determined.				
· Danger of explosion:	Product is not explosive. However, formation of explosive air/ vapor mixtures are possible.				
· Explosion limits					
Lower:	1.2 Vol % (Estimate)				
Upper:	44.0 Vol % (Estimate)				
· Oxidizing properties:	Non-oxidizing.				

(Cont'd. on page 9)

4206 SOUTH GENERAL BRUCE DRIVE TEMPLE, TX 76502 main: 254.778.8701 toll-free:800.792.3070

fax: 254.778.3422 Page: 9/14

Safety Data Sheet

Acc. to OSHA HCS (29 CFR 1910.1200)

Revision: December 2, 2022

(Cont'd. of page 8)

Trade name: RSI-TX5 Lacquer Thinner

· Vapor pressure at 20 °C (68 °F):

233 hPa (174.8 mm Hg)

· Density:

Relative density:

0.82

Vapor density: Evaporation rate: Not determined. Not determined.

· Solubility in / Miscibility with

Water:

Not miscible or difficult to mix.

· Partition coefficient (n-octanol/water): Not determined.

· Viscosity

Dynamic: Kinematic: Not determined. Not determined.

Other information

No relevant information available.

### 10 Stability and reactivity

- · Reactivity: No relevant information available.
- · Chemical stability:
- · Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

Possibility of hazardous reactions

Highly flammable liquid and vapor.

Reacts violently with oxidizing agents.

Used empty containers may contain product gases which form explosive mixtures with air.

Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomized.

Toxic fumes may be released if heated above the decomposition point.

- · Conditions to avoid Excessive heat.
- Incompatible materials Oxidizers
- · Hazardous decomposition products Carbon monoxide and carbon dioxide

### 11 Toxicological information

- Information on toxicological effects
- · Acute toxicity: Toxic if swallowed, in contact with skin or if inhaled.

	· LD/LC50 values that are relevant for classification:				
	108-88-3 Toluene				
Г	Oral	LD50	5000 mg/kg (rat)		
	Dermal	LD50	12124 mg/kg (rabbit)		
	Inhalative	LC50/4h	5320 mg/l (mouse)		

· Primary irritant effect:

(Cont'd. on page 10)

## 4206 SOUTH GENERAL BRUCE DRIVE TEMPLE, TX 76502 main: 254.778.8701

toll-free:800.792.3070 fax: 254.778.3422

Page: 10/14

(Cont'd. of page 9)

## Safety Data Sheet Acc. to OSHA HCS (29 CFR 1910.1200)

Revision: December 2, 2022

Trade name: RSI-TX5 Lacquer Thinner

On the skin: Irritant to skin and mucous membranes.

· On the eye: Irritating effect.

- · Sensitization: No sensitizing effects known.
- · Carcinogenic categories
- IARC (International Agency for Research on Cancer):

None of the ingredients are listed.

NTP (National Toxicology Program):

None of the ingredients are listed.

OSHA-Ca (Occupational Safety & Health Administration):

None of the ingredients are listed.

Probable route(s) of exposure:

Ingestion.

Inhalation.

Eve contact.

Skin contact.

- · Germ cell mutagenicity: Based on available data, the classification criteria are not met.
- · Carcinogenicity: Based on available data, the classification criteria are not met.
- Reproductive toxicity: Suspected of damaging fertility or the unborn child. Route of exposure: Inhalation.
- STOT-single exposure: Causes damage to the central nervous system and optic nerve.
- STOT-repeated exposure:

May cause damage to the central nervous system through prolonged or repeated exposure. Route of exposure: Inhalation.

· Aspiration hazard: May be fatal if swallowed and enters airways.

#### 12 Ecological information

- · Toxicity
- · Aquatic toxicity No relevant information available.
- Persistence and degradability No relevant information available.
- · Bioaccumulative potential: No relevant information available.
- · Mobility in soil: No relevant information available.
- Additional ecological information
- · General notes:

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Other adverse effects No relevant information available.

### 13 Disposal considerations

- · Waste treatment methods
- · Recommendation:

The user of this material has the responsibility to dispose of unused material, residues and containers in (Cont'd. on page 11) 4206 SOUTH GENERAL BRUCE DRIVE TEMPLE, TX 76502 main: 254.778.8701 toll-free:800.792.3070 fax: 254.778.3422

fax: 254.778.3422 Page: 11/14

## Safety Data Sheet

Acc. to OSHA HCS (29 CFR 1910.1200)

Revision: December 2, 2022

Trade name: RSI-TX5 Lacquer Thinner

(Cont'd. of page 10)

(Cont'd. on page 12)

compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

- Uncleaned packagings
- Recommendation: Disposal must be made according to official regulations.

14 Transport information	
· UN-Number	
· DOT	UN1263 UN1992
· ADR, IMDG, IATA	01/1992
· UN proper shipping name · DOT	Paint related material
· ADR, IMDG	FLAMMABLE LIQUID, TOXIC, N.O.S. (TOLUENE, METHANOL)
· IATA	Flammable liquid, toxic, n.o.s. (toluene, methanol)
· Transport hazard class(es)	
·DOT	
Anna (18)	
Class	3
· Label	3
· ADR	
Class	3 (FT1)
· Label	3+6.1
· IMDG	
· Class	3
· Label	3/6.1

main: 254.778.8701 toll-free:800.792.3070

fax: 254.778.3422

Page: 12/14

# Safety Data Sheet Acc. to OSHA HCS (29 CFR 1910.1200)

Revision: December 2, 2022

Trade name: RSI-TX5 Lacquer Thinner

(Cont'd. of page 11) ·IATA · Class · Label 3 (6.1) Packing group DOT, ADR, IMDG, IATA Ш Environmental hazards · Marine pollutant: Nο Special precautions for user Warning: Flammable liquids Danger code (Kemler): 336 · EMS Number: F-E,S-D Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. Transport/Additional information: · DOT Limited Quantity for packages less than 30 kg gross and inner packagings less than 5 L each. · ADR Limited Quantity for packages less than 30 kg gross and inner packagings less than 1 L each. · IMDG Limited Quantity for packages less than 30 kg gross and inner packagings less than 1 L each. ·IATA Limited Quantity for packages less than 30 kg gross and inner packagings less than 0.5 L each / 1 L net.

## 15 Regulatory information

(Cont'd. on page 13)

4206 SOUTH GENERAL BRUCE DRIVE TEMPLE, TX 76502 main: 254.778.8701 toll-free:800.792.3070 fax: 254.778.3422

Page: 13/14

## Safety Data Sheet

Acc. to OSHA HCS (29 CFR 1910.1200)

Revision: December 2, 2022

Trade name: RSI-TX5 Lacquer Thinner

(Cont'd. of page 12)

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- United States (USA)
- ·SARA

<ul> <li>Section 302 (extremely hazardous substances</li> </ul>	s):
---	-----

None of the ingredients are listed.

Section 355 (extremely hazardous substances):

None of the ingredients are listed.

Section 313 (Specific toxic chemical listings):

108-88-3 Toluene

67-56-1 Methanol

· TSCA (Toxic Substances Control Act)

All ingredients are listed.

- · Proposition 65 (California)
- · Chemicals known to cause cancer:

None of the ingredients are listed.

Chemicals known to cause developmental toxicity for females:

None of the ingredients are listed.

· Chemicals known to cause developmental toxicity for males:

None of the ingredients are listed.

· Chemicals known to cause developmental toxicity:

108-88-3 Toluene

67-56-1 Methanol

· EPA (Environmental Protection Agency):

108-88-3 Toluene 67-64-1 Acetone

1

Ш

IARC (International Agency for Research on Cancer):

None of the ingredients are listed.

#### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- · Date of preparation / last revision October 24, 2018 / December 2, 2022
- · Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

(Cont'd. on page 14)

main: 254.778.8701 toll-free:800.792.3070 fax: 254.778.3422

Page: 14/14

(Cont'd. of page 13)

# Safety Data Sheet Acc. to OSHA HCS (29 CFR 1910.1200)

Revision: December 2, 2022

Trade name: RSI-TX5 Lacguer Thinner

IATA: International Air Transport Association

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

OSHA: Occupational Safety & Health Administration

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

BEI: Biological Exposure Limit

Flam. Liq. 2: Flammable liquids - Category 2

Acute Tox. 3: Acute toxicity - Category 3

Skin Irrit. 2: Skin corrosion/irritation - Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation - Category 2A

Eye Irrit. 2B: Serious eye damage/eye irritation - Category 2B

Repr. 2: Reproductive toxicity - Category 2

STOT SE 1: Specific target organ toxicity (single exposure) - Category 1

STOT SE 3: Specific target organ toxicity (single exposure) - Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) - Category 2

Asp. Tox. 1: Aspiration hazard - Category 1

#### Sources

Website, European Chemicals Agency (echa.europa.eu)

Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/overview/home.do)

Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)

Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6

Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.

Safety Data Sheets, Individual Manufacturers

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