

# SAFETY DATA SHEET (SDS)



Jacquard Products  
 Manufactured by Rupert, Gibbon & Spider, Inc.  
 P.O. Box 425 | Healdsburg, CA 95448  
 800.442.0455 | Fax: 707.433.4906  
 www.jacquardproducts.com

Gutta Resist - Pg 1

**Revision Date: 02/05/2018**

## SECTION 1 - CHEMICAL, PRODUCT & COMPANY INFORMATION

Product Name:	<b>GUTTA RESIST</b>	
Product Number/Code:	<b>780-783 (ALL COLORS)</b>	
Recommended Use:	Resin used for silk – painting arts	
Product class:	Solvent-based rubber adhesive	
Restrictions on use:	None known	
Manufacturer:	Rupert, Gibbon & Spider, Inc. 1147 Healdsburg Ave. Healdsburg, CA 95448 1-800-442-0455 / 707-433-9577	
Emergency Number:	<b>ChemTel, Inc. - Contract #MIS9128344</b>	
	North America: <b>1-800-255-3924</b>	International: <b>1-813-248-0585</b>

## SECTION 2 - HAZARD(S) IDENTIFICATION

<b>According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200</b>		
<b>Toxicological Data on Ingredients:</b>		
Hazard Classification		
Physical Hazards:	Flammable liquids	Category 2
Health Hazards:	Skin Corrosion/Irritation	Category 2
	Skin Irritation/Eye Damage/Irritation	Category 2A
	Reproductive Toxicity	Category 2
	Specific Target Organ Toxicity, Single Exposure (STOT SE) - Central nervous system	Category 3
	Specific Target Organ Toxicity, Repeated Exposure (STOT RE) - Central nervous system , Peripheral nervous system	Category 2
	Aspiration hazard	Category 1
Environmental Hazards:	Acute hazards to the aquatic environment	
<b>Label Elements</b>		
Pictogram:		
Signal Words:	Danger, Warning	

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<b>Hazard Statements-EU:</b>	<p>H225 Highly flammable liquid and vapour.  H304 May be fatal if swallowed and enters airways.  H315 Causes skin irritation.  H319 Causes serious eye irritation.  H331 Toxic if inhaled.  H336 May cause drowsiness or dizziness.  H361 Suspected of damaging fertility or the unborn child.  H373 May cause damage to organs (Auditory system, Eyes) through prolonged or repeated exposure if inhaled.</p>
<b>Precautionary Statements-EU:</b>	
Prevention:	<p>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.  P241 Use explosion-proof electrical/ventilating/lighting/equipment.  P242 Use only non-sparking tools.  P243 Take precautionary measures against static discharge.  P260 Do not breathe dust/gas/mist/vapours.  P264 Wash with plenty of water and soap thoroughly after handling.  P271 Use only outdoors or in a well-ventilated area.  P273 Avoid release to the environment.  P280 Wear protective gloves/protective clothing/eye protection/face protection.  P281 Use personal protective equipment as required.</p>
Response:	<p>P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.  P305 + P351 + P338 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.  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.  P362 Take off contaminated clothing and wash before reuse.  P370 + P378 In case of fire: Use water spray, dry powder, foam or carbon dioxide for extinction.</p>
Storage:	<p>P233 Keep container tightly closed.  P403 + P235 Store in a well-ventilated place. Keep cool.  P405 Store locked up.</p>
Disposal:	<p>P501 Dispose of contents/container to hazardous or special waste collection point.</p>
<p><b>Hazard/s/ not otherwise classified:</b>  According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200</p>	

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<b>Potential health effects</b>	
<b>Carcinogenicity:</b>	
For Component: VMP Naphtha	
IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
For Component: Isopropanol	
IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

<b>Chemical identity</b>	<b>% by Weight</b>	<b>ACGTH-TLV</b>	<b>OSHA-PEL</b>	<b>EINECS number</b>	<b>CAS #</b>
Aliphatic Petroleum Distillates	76.5 - 88	300 ppm	300 ppm	289-220-8	64742-89-8
Isopropyl Alcohol	1.8 - 2	400 ppm	400 ppm	200-661-7	67-63-0
Propylene Glycol Mono Methyl Ether	3 - 3.5				108-65-6
Carbon Black	1.5 - 2				1333-86-4
Talc	0.1 - 0.5				14807-96-6
Ethyl Benzene	0.01 - 0.1				100-41-4
Aluminum Flake	0 - 10				7429-50-9
Petroleum Distillates	< 2			270-093-2	68410-97-9
Petroleum Benzine	< 85			265-151-9	64742-49-0
Copper	0 - 9.6				7440-50-8
Zinc	0 - 3.4				7440-66-6
Aluminum	0 - 0.1				7429-90-5

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## SECTION 4 - FIRST AID MEASURES

<b>General information:</b>	
Inhalation:	If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.
Skin contact:	In case of skin contact, wash affected areas with soap and water. Immediately remove contaminated clothing and shoes. Call physician if irritation develops or persists. Thoroughly clean shoes before reuse. Wash contaminated clothing before reuse.
Eye contact:	In case of contact, flush eyes with plenty of lukewarm water. Use fingers to ensure that the eyelids are separated and that the eye is being irrigated. Get medical attention if irritation develops.
Ingestion:	If ingested, do not induce vomiting unless directed to do so by medical personnel. Get medical attention.

## SECTION 5 - FIREFIGHTING MEASURES

General fire hazards:	
<b>Suitable (and unsuitable) extinguishing media:</b>	
Suitable extinguishing media:	Use water, foam or dry chemicals.
Unsuitable extinguishing media:	N/A
<b>Specific hazards arising from the chemical</b>	
<b>Special protective equipment precautions for firefighters:</b>	
Special fire fighting procedures:	Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes. Toxic and irritating gases/fumes may be given off during burning or thermal decomposition. Use cold water spray to cool fire-exposed containers to minimize the risk of rupture.
Special protective equipment for fire fighters:	N/A
<b>Unusual Fire/Explosion Hazards:</b>	Vapors are heavier than air and may travel a considerable distance to a source of ignition and flashback. Vapors or fumes may form explosive mixture with air.
<b>Hazardous Thermal Decomposition Products:</b>	In case of fire, may produce hazardous decomposition products such as carbon monoxide, carbon dioxide, (dense) black smoke, aldehydes, organic acids, nitrogen oxides, ammonia, amines.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

Methods and materials for containment and cleaning up spilled product:	Contain spill. If spilled in an enclosed area ventilate. Wear proper personal protective clothing and equipment. Do not flush liquid in public sewer, water systems or surface waters. Recover as much as possible and absorb remainder with inert material. Place into labeled containers and store in safe locations for proper disposal. Wash spilled areas with soap and water.
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## SECTION 7 - HANDLING AND STORAGE

Storage Temperature:	Minimum: 5°C (41°F)	Maximum: 40°C (104°F)
Precautions for safe handling:	Avoid eye contact, repeated or prolonged skin contact or inhalation of aerosol, mist or vapors. Wash thoroughly after handling. Use in well ventilated areas.	
Conditions for safe storage including any incompatibilities:	Keep containers closed when not in use. Do not store in open, unlabeled or mislabeled containers. Product is not reactive or degraded by moisture, however protect from moisture contamination for performance purposes.	

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Control parameters:</b>				
Occupational exposure limits:	ACGIH-TWA	ACGIH-STEL	OSHA-TWA	OSHA-STEL
Isopropanol	200 ppm	400 ppm	400 ppm	500 ppm
Distillates, pet, lt dist hydrotreat Process, low-boil AND/OR Naphtha (pet), hydrotreated lt AND/OR Solvent Naphtha (pet), it aliph.	N/E	N/E	500 ppm	N/E
Appropriate engineering controls:	Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.			
<b>Individual protection measures (such as personal protective equipment):</b>				
Eye/face protection:	Chemical safety goggles or safety glasses with side-shields. Chemical safety goggles/safety glasses			
Skin protection:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.			
Respiratory:	Use a properly fitted, air-purifying or air fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and safe working limits of the known respirator.			
Hand:	Permeation resistant gloves, Butyl rubber gloves, Nitrile rubber gloves, Neoprene gloves.			
Additional Protective Measures:	Employees should wash their hands and face before eating, drinking, or using tobacco products. Educate and train employees in the safe use and handling of this product. Emergency showers and eye wash stations should be available. Store separate from food products.			

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## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance and physical state:</b>	Paste
Color:	N/A
Upper/lower flammability or explosive limits:	N/A
Odor:	Hydrocarbon-like
Vapor pressure:	N/A
Odor threshold:	N/A
Vapor density:	Heavier than air
pH:	N/A
Relative density:	N/A
Melting point/freezing point:	N/A
Solubility(ies):	N/A
Initial boiling point and boiling range:	180°F / 82 °C
Flash point:	54° F / 12 °C
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	N/A
Partition coefficient: n-octanol/water:	N/A
Auto-ignition temperature:	N/A
Decomposition temperature:	N/A
Viscosity:	N/A
Solubility(ies):	N/A
Auto-ignition temperature:	N/A
Decomposition temperature:	N/A
% Volatile by Weight:	86.0 %
Specific Gravity:	0.79
Lb.VOC/Gal. Coating:	5.56
VOC g/l:	666.23

## SECTION 10 - STABILITY AND REACTIVITY

Stability:	This product is stable under normal storage and use conditions.
Hazardous Polymerization:	Will not occur.
Incompatibility:	Strong oxidizing agents, excessive heat.
Hazardous Decomposition Products:	Decomposition of the dry solids may generate irritating vapors, CO <sub>2</sub> , CO.

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## SECTION II - TOXICOLOGICAL INFORMATION

<b>Toxicity Data for XS-4139-N</b>		
Toxicity Note:	No data available for this product.	
	<b>Component: 67-63-0</b>	
<b>Toxicity Data for Isopropanol</b>		
Acute Oral Toxicity:	LD50 (rat): 5,045 mg/kg	
Acute Inhalation:	LC50 (rat): 16,000 ppm	
Acute Dermal Toxicity:	LD50 (rabbit): 12,800 mg/kg	
<b>Skin Irritation:</b>	Species: Rabbit Result: Mild skin irritation.	
<b>Eye Irritant:</b>	Species: Rabbit Result: Irritating to eyes.	
<b>Respiratory or Skin Sensitization:</b>	No data available.	
<b>Germ cell mutagenicity:</b>		
<b>Genetic Toxicity in vitro:</b>	Test Type: Ames test Test species: Salmonella typhimurium Result: negative	
<b>Genotoxicity in vivo:</b>	Test Type: In vivo micronucleus test Test species: mouse Method: OECD Test Guideline 474 Result: negative	
	Test Type: Dominant lethal assay Application Route: mouse (male) Method: Inhalation (vapour) Exposure time: 6 h/d, 5 d/wk for 8 wks Dose: 0, 100, 400 ppm Result: negative	
<b>Germ cell mutagenicity-</b>		
Assessment:	Did not show mutagenic effects in animal experiments.	
<b>Carcinogenicity:</b>	Species: rat NOAEL: 5,000 ppm Method: OECD Test Guideline 451	
Carcinogenicity-Assessment: Not classified as a human carcinogen.		
<b>Toxicity to Reproduction/Fertility:</b>		
Reproductive toxicity		
Assessment:	Animal testing did not show any effects on fertility. Did not show teratogenic effects in animal experiments.	
<b>STOT (Specific Target Organ Toxicity) – single exposure (Isopropanol): Component: 67-63-0</b>		
Exposure routes:	<b>Target Organs:</b>	<b>Assessment:</b>
Inhalation	Central nervous system	The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.

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<b>STOT (Specific Target Organ Toxicity) – repeated exposure (Isopropanol): Component: 67-63-0</b>		No data available.	
<b>Toxicity Data for VMP Naphtha: Component: 68410-97-9 / 64742-49-0 / 64742-89-8:</b>			
Acute Oral Toxicity:		LD50: >5,000 mg/kg Species: (rat, male and female) Method: OECD Test Guideline 401 Assessment: The substance or mixture has no acute oral toxicity.	
Acute inhalation toxicity:		Assessment: The component/mixture is toxic after short-term inhalation.	
Acute dermal toxicity:		LD50: >2,000 MG/KG Species: (rabbit, male and female) Method: OECD Test Guideline 402 Assessment: The substance or mixture has no acute dermal toxicity.	
Skin irritation: Component 68410-97-9 / 64742-49-0 / 64742-89-8:		Species: Rabbit Exposure time: 4 h Result: Irritating to skin. Remarks: May cause skin irritation in susceptible persons.	
Eye irritation: Component: 68410-97-9 / 64742-49-0 / 64742-89-8:		Species: Rabbit Result: Irritating to eyes.	
Respiratory or Skin Sensitization: Component: 68410-97-9/64742-49-0/64742-89-8:		Test Type: Buehler Test Species: Guinea pig Result: Did not cause sensitization on laboratory animals.	
Germ Cell Mutagenicity: Component: 68410-97-9 / 64742-49-0 / 64742-89-8:		Germ cell mutagenicity-Assessment: Mutagenicity classification not possible from current data.	
Carcinogenicity: Component: 68410-97-9 / 64742-49-0 / 64742-89-8:		Carcinogenicity-Assessment: Carcinogenicity classification not possible from current data.	
Toxicity to Reproduction/Fertility: Component: 68410-97-9 / 64742-49-0 / 64742-89-8:		Reproductive toxicity-Assessment: Some evidence of adverse effects on sexual function and fertility, based on animal experiments.	
<b>STOT (Specific Target Organ Toxicity) – single exposure (VMP Naphtha) Component: 68410-97-9/64742-49-0/64742-89-8:</b>			
Exposure routes:	Target Organs:	Assessment:	Remarks:
Inhalation	Central nervous system	May cause drowsiness or dizziness. The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.	-
<b>STOT (Specific Target Organ Toxicity) – repeated exposure (VMP Naphtha) Component: 68410-97-9/64742-49-0/64742-89-8:</b>			
Exposure routes:	Target Organs:	Assessment:	Remarks:
	Central nervous system, Peripheral nervous system	The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.	-



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<b>Repeated dose Toxicity: Component: 68410-97-9 / 64742-49-0 / 64742-89-8:</b>	Species: Rat, male and female NOAEL: 1402 Application Route: inhalation (vapour) Test atmosphere: vapour Exposure time: 13 Number of exposures: 6 hours/day, 5 day Dose: 322, 1402, 9869 mg/m3 GLP: yes Target Organs: Kidney Symptoms: Nasal and ocular discharge
<b>Aspiration toxicity: Component: + 68410-97-9 / 64742-49-0 / 64742-89-8:</b>	May be fatal if swallowed and enters airways.

## SECTION 12 - ECOLOGICAL INFORMATION

<b>Ecological Data for XS-4139-N:</b>	
Additional Ecotoxicological Remarks:	No data available for this product.
<b>Ecological Data for VMP Naphtha:</b>	
<b>Ecotoxicity: Component: 68410-97-9 / 64742-49-0 / 64742-89-8:</b>	
Toxicity to fish:	LC50 (Oncorhynchus mykiss (rainbow trout)): 8.2 mg/l Exposure time: 96 h Test Type: semi-static test
Toxicity to daphnia and other aquatic invertebrates:	EC50 (Daphnia magna (Water flea)): 4.5 mg/l Exposure time: 48 h Test Type: Immobilization Analytical monitoring: yes
Toxicity to algae:	EC50 (Pseudokirchneriella subcapitata (green algae)): 3.7 mg/l Exposure time: 96 h Test Type: static test
<b>Ecotoxicology Assessment:</b>	
Acute aquatic toxicity:	Toxic to aquatic life.
Chronic aquatic toxicity:	Toxic to aquatic life with long lasting effects.
<b>Persistence and degradability: Component: 68410-97-9 / 64742-49-0 / 64742-89-8:</b>	
Biodegradability:	Concentration: 49.2 mg/l Result: Readily biodegradable Biodegradation: 77 % Testing period: 2 d Exposure time: 28 d
Mobility in soil: Component: 68410-97-9/64742-49-0/64742-89-8:	No data available
<b>Ecological Data for Isopropanol: Ecotoxicity: Component: 67-63-0:</b>	
Toxicity to fish:	LC50: (Pimephales promelas (fathead minnow)): > 1,000 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates:	LC50: > 100 mg/l Exposure time: 48 h Species: Daphnia magna (Water flea)
Mobility in soil: Component: 67-63-0:	No data available

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## SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal Instructions:	Dispose of in accordance with Federal, State and Local regulations.
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## SECTION 14 - TRANSPORT INFORMATION

<b>Land Transport (DOT):</b>	
UN Number:	1133
UN Packing Group:	II
UN Class:	III
DOT Hazard Class:	Flammable Liquid
<b>Sea Transport (IMDG):</b>	
UN Number:	1133
UN Packing Group:	II
UN Class:	III
<b>Air Transport (IATA):</b>	
UN Number:	1133
UN Packing Group:	III
UN Class:	III

## SECTION 15 - REGULATORY INFORMATION

SARA Title III Section 313:	This product contains the following substance(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (40 CFR 372).	
	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.	
SARA Title III 312 Hazard Category (40 CFR 311/312):	Acute Health:	Yes
	Release of Pressure:	No
	Chronic Health:	Yes
	Reactive:	No
	Fire:	Yes
US Federal Regulations (TSCA):	This product is listed on the U.S. Toxic Substance Control Act inventory of chemicals or is otherwise compliant with TSCA regulations.	

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## SECTION 16 - OTHER INFORMATION

<b>HMIS Hazard ID:</b>	
Health:	2
Flammability:	3
Reactivity:	0
Personal Protection (PPE):	B
Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; *Chronic health effect	

**Disclaimer:**

The information contained in this SDS is based on data from sources considered to be reliable but Rupert, Gibbon & Spider, Inc. does not guarantee the accuracy or completeness thereof. Rupert, Gibbon & Spider, Inc. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire and understand the data in this SDS.

**Revision Date: 02/05/2018**

<b>National Chemical Inventories:</b>	
All components of this product are listed on the following chemical substance inventories: TSCA (USA)	
DSL	(Canada)
EINECS	(Europe)
ENCS	(Japan) ECL
	(Korea)
AICS	(Australia) NZIoC
	(New Zealand)
PICCS	(Philippines)
IECSC	(China)

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<b>Abbreviations:</b>	
ACGIH	American Conference of Governmental Industrial Hygienists
ADR	International carriage of Dangerous goods by Road
AICS	Australian Inventory of Chemical Substances
ATE	Acute Toxicity Estimate
BfR	Bundesinstitut für Risikobewertung recommendations for food contact materials
BCF	Bioconcentration Factor
BOD5	5-day Biochemical Oxygen Demand
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CLP	Classification, Labeling and Packaging regulation
COD	Chemical Oxygen Demand DOT Department of Transportation DSL Domestic Substances List
EINECS	European Inventory of Existing Chemical Substances
ECL	Existing Chemicals List (Korea)
ENCS	Existing and New Chemical Substances Inventory (Japan)
EN 689	Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy.
ERG	Emergency Response Guide
GHS	Globally Harmonized System
HMIS	Hazardous Materials Information System IARC International Agency for Research on Cancer IATA International Air Transport Association
ICAO	International Civil Aviation Organization IDLH Immediately Dangerous to Life and Health IMDG International Maritime Dangerous Goods
LD50	Lethal Dose to 50% of test animal population
MAK	Maximale Arbeitsplatz Konzentration
NTP	National Toxicology Program
OEL	Occupational Exposure Limit
OSHA	Occupational Safety & Health Administration
PBT	Persistent, Bioaccumulative and Toxic vPvB Very Persistent and Very Bioaccumulative PEL Permissible exposure limit
PICCS	Philippine Inventory of Commercial Chemical Substances
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation and Authorization of Chemical Substances
RID	International carriage of dangerous goods by Rail SARA Superfund Amendments and Reauthorization Act STEL Short Term Exposure Limit
SVHC	Substance of Very High Concern
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
VOC	Volatile Organic Compound
WGK	Wassergefährdungsklasse (Water Hazard Class) WHMIS Workplace Hazardous Material Identification System