

Safety Data Sheet (SDS) Report

Applicant: SHENZHEN YUHE WEIYE LTD
3/F, TOWER A, PORT BUILDING, 1006 DONGMEN SOUTH RD,
LUOHU DISTRICT, SHENZHEN, CHINA .

SDS number: GZHH0029417501

Issue Date: 2018-08-23

Sample Description:

The sample information was submitted and identified on client's behalf to be:

Product Name : Zuru Oosh Cotton Candy
Physical State : Solid
Data Received : Aug 20, 2018
Data Reviewed : Aug 23, 2018

Service Requested:

Based on the information provided by the applicant, the Safety Data Sheet (SDS) was generated in accordance with requirements of OSHA HazCom Standard (2012), for details please refer to attached pages.

Authorized By:

On Behalf Of Regulatory Affairs in Intertek Testing Services Ltd., Shanghai



Anna Wang
Regulatory Consultant

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Safety Data Sheet

Zuru Oosh Cotton Candy

SHENZHEN YUHE WEIYE LTD

SDS number: **GZHH0029417501**

Version No:1.0
According to OSHA HazCom Standard (2012) requirements

Issue Date:23/08/2018
GHS.USA.EN

SECTION 1 IDENTIFICATION

Product Identifier

Product name	Zuru Oosh Cotton Candy
Other means of identification	Item No.: 8627, 8628, 8627BSK, 8628BSK, 8628F, 8627AQ1, 8628SQ1, 8627SQ2, 8627SQ3, 8627F, 8627A, 8627B, 8627D, 8627E, 8628SQ2, 8628F, 8628A, 8628B, 8628D, 8628E, 8631, 7701Q, 7702Q, 7703Q, 7701SK, 7702SK, 7703SK Vendor: Zuru Inc., Zuru LLC, Zuru PTY Ltd, Zuru UK Limited, Zuru France

Recommended use of the chemical and restrictions on use

Relevant identified uses	Toys
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Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Supplier name	SHENZHEN YUHE WEIYE LTD
Address	3/F, TOWER A, PORT BUILDING, 1006 DONGMEN SOUTH RD, LUOHU DISTRICT, SHENZHEN, CHINA
Telephone	+86 755 6688 1988
Emergency telephone	+86 755 6688 1988
Email	gaga@zuru.com
Importer name	
Address	
Telephone	
Email	

Emergency phone number

Association / Organisation	
Emergency telephone numbers	
Other emergency telephone numbers	

SECTION 2 HAZARD(S) IDENTIFICATION

Classification of the substance or mixture

Not considered a Hazardous Substance by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). Not classified as Dangerous Goods for transport purposes.

Classification	Not Classified
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Label elements

Hazard pictogram(s)	Not Applicable
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SIGNAL WORD	NOT APPLICABLE
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Hazard statement(s)

Not Applicable

Hazard(s) not otherwise specified

Not Applicable

Supplementary statement(s)

Not Applicable

Precautionary statement(s) General

Not Applicable

Precautionary statement(s) Prevention

Not Applicable

Precautionary statement(s) Response

Not Applicable

Precautionary statement(s) Storage

Continued...

Zuru Oosh Cotton Candy

Not Applicable

Precautionary statement(s) Disposal

Not Applicable

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS**Substances**

See section below for composition of Mixtures

Mixtures

CAS No	%[weight]	Name
9003-27-4	43.67	<u>Polyisobutylene</u>
9005-25-8	16.5	<u>starch</u>
8042-47-5	14.5	<u>white mineral oil (petroleum)</u>
9011-14-7	13.8	<u>polymethyl methacrylate</u>
9006-65-9	8.7	<u>dimethicone</u>
980-26-7	2.5	<u>C.I. Pigment Red 122</u>
3734-33-6	0.3	<u>Denatonium benzoate</u>
104-67-6	0.01	<u>Undecan-4-olide</u>
142-19-8	0.005	<u>allyl heptanoate</u>
120-51-4	0.005	<u>Benzyl benzoate</u>
105-54-4	0.005	<u>ethyl butyrate</u>
123-66-0	0.005	<u>ethyl butyl acetate</u>

SECTION 4 FIRST-AID MEASURES**Description of first aid measures**

Eye Contact	If this product comes in contact with eyes: ▶ Wash out immediately with water. ▶ If irritation continues, seek medical attention. ▶ Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
Skin Contact	If skin or hair contact occurs: ▶ Flush skin and hair with running water (and soap if available). ▶ Seek medical attention in event of irritation.
Inhalation	▶ If fumes, aerosols or combustion products are inhaled remove from contaminated area. ▶ Other measures are usually unnecessary.
Ingestion	▶ Immediately give a glass of water. ▶ First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Most important symptoms and effects, both acute and delayed

See Section 11

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5 FIRE-FIGHTING MEASURES**Extinguishing media**

- ▶ Foam.
- ▶ Dry chemical powder.

Special hazards arising from the substrate or mixture

Fire Incompatibility	▶ Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result
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Special protective equipment and precautions for fire-fighters

Fire Fighting	▶ Alert Fire Brigade and tell them location and nature of hazard. ▶ Wear breathing apparatus plus protective gloves.
Fire/Explosion Hazard	▶ Combustible solid which burns but propagates flame with difficulty. Combustion products include: carbon monoxide (CO) carbon dioxide (CO2) other pyrolysis products typical of burning organic material.

SECTION 6 ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Continued...

Zuru Oosh Cotton Candy

See section 8

Environmental precautions

See section 12

Methods and material for containment and cleaning up

Minor Spills	▶ Clean up all spills immediately. ▶ Avoid contact with skin and eyes.
Major Spills	▶ Clear area of personnel and move upwind. ▶ Alert Fire Brigade and tell them location and nature of hazard.

Personal Protective Equipment advice is contained in Section 8 of the SDS.

SECTION 7 HANDLING AND STORAGE**Precautions for safe handling**

Safe handling	▶ Limit all unnecessary personal contact. ▶ Wear protective clothing when risk of exposure occurs.
Other information	▶ Store in original containers. ▶ Keep containers securely sealed.

Conditions for safe storage, including any incompatibilities

Suitable container	▶ Poly Bag.
Storage incompatibility	▶ Avoid reaction with oxidising agents

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**Control parameters****OCCUPATIONAL EXPOSURE LIMITS (OEL)****INGREDIENT DATA**

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
US NIOSH Recommended Exposure Limits (RELs)	starch	Corn starch, Rice starch, Sorghum gum, α-Starch, Starch gum, Tapioca starch	10 (total), 5 (resp) mg/m ³	Not Available	Not Available	Not Available
US ACGIH Threshold Limit Values (TLV)	starch	Starch	10 mg/m ³	Not Available	Not Available	TLV® Basis: Dermatitis
US OSHA Permissible Exposure Levels (PELs) - Table Z1	starch	Starch: Total dust	15 mg/m ³	Not Available	Not Available	Not Available
US OSHA Permissible Exposure Levels (PELs) - Table Z1	starch	Starch: Respirable fraction	5 mg/m ³	Not Available	Not Available	Not Available
US NIOSH Recommended Exposure Limits (RELs)	white mineral oil (petroleum)	Heavy mineral oil mist, Paraffin oil mist, White mineral oil mist	5 mg/m ³	10 mg/m ³	Not Available	Not Available
US ACGIH Threshold Limit Values (TLV)	white mineral oil (petroleum)	Mineral oil, excluding metal working fluids - Pure, highly and severely refined	5 mg/m ³	Not Available	Not Available	TLV® Basis: URT irr
US ACGIH Threshold Limit Values (TLV)	white mineral oil (petroleum)	Mineral oil, excluding metal working fluids - Poorly and mildly refined	Not Available	Not Available	Not Available	TLV® Basis: URT irr
US OSHA Permissible Exposure Levels (PELs) - Table Z1	white mineral oil (petroleum)	Oil mist, mineral	5 mg/m ³	Not Available	Not Available	Not Available

EMERGENCY LIMITS

Ingredient	Material name	TEEL-1	TEEL-2	TEEL-3
polymethyl methacrylate	Polymethylmethacrylate; (Lucite)	30 mg/m ³	330 mg/m ³	2,000 mg/m ³
Benzyl benzoate	Benzyl benzoate	5.7 mg/m ³	63 mg/m ³	380 mg/m ³

Ingredient	Original IDLH	Revised IDLH
white mineral oil (petroleum)	2,500 mg/m ³	Not Available

Exposure controls

Appropriate engineering controls	Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection.
Personal protection	
Eye and face protection	▶ Safety glasses with side shields ▶ Chemical goggles. ▶ Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants.
Skin protection	See Hand protection below

Continued...

Zuru Oosh Cotton Candy

Hands/feet protection	The selection of suitable gloves does not only depend on the material, but also on further marks of quality which vary from manufacturer to manufacturer. Where the chemical is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. Experience indicates that the following polymers are suitable as glove materials for protection against undissolved, dry solids, where abrasive particles are not present. ‣ polychloroprene.
Body protection	See Other protection below
Other protection	No special equipment needed when handling small quantities. OTHERWISE: ‣ Overalls.

Respiratory protection

- Respirators may be necessary when engineering and administrative controls do not adequately prevent exposures.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Red solid		
Physical state	Solid	Relative density (Water = 1)	Not Available
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	Not Available	Decomposition temperature	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	Not Available	Molecular weight (g/mol)	Not Available
Flash point (°C)	Not Available	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Not Flammable	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Available	Surface Tension (dyn/cm or mN/m)	Not Applicable
Lower Explosive Limit (%)	Not Available	Volatile Component (%vol)	Not Available
Vapour pressure (kPa)	Not Available	Gas group	Not Available
Solubility in water (g/L)	Not Available	pH as a solution (1%)	Not Available
Vapour density (Air = 1)	Not Available	VOC g/L	Not Available

SECTION 10 STABILITY AND REACTIVITY

Reactivity	See section 7
Chemical stability	Product is considered stable and hazardous polymerisation will not occur.
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	See section 5

SECTION 11 TOXICOLOGICAL INFORMATION

Information on toxicological effects

	white mineral oil (petroleum)
	Dermal (rabbit) LD50: >2000 mg/kg ^[1]
	Oral (rat) LD50: >5000 mg/kg ^[1]
	C.I. Pigment Red 122
	dermal (rat) LD50: >2000 mg/kg ^[1]
	Oral (rat) LD50: >2000 mg/kg ^[1]
	Denatonium benzoate
	Oral (rat) LD50: 648 mg/kg bw ^[1]
	Inhalation-dust (rat) LC50: 0.2 mg/L air 4h ^[1]

Zuru Oosh Cotton Candy

Acute Toxicity	Dermal(rat) LD50: > 2 000 mg/kg bw ^[1]	
	Undecan-4-olide	
	Oral (rat) LD50: 18500 mg/kg ^[2]	
	allyl heptanoate	
	Oral (rat) LD50: 218 mg/kg ^[1]	
	Dermal (rabbit) LD50: 810 mg/kg ^[1]	
	Benzyl benzoate	
	Dermal (rabbit) LD50: 4000 mg/kg ^[2]	
	Oral (rat) LD50: 1700 mg/kg ^[2]	
	ethyl butyrate	
	Oral (rabbit) LD50: 5228 mg/kg ^[2]	
	Oral (rat) LD50: 13000 mg/kg ^[2]	
	ethyl butyl acetate	
	Dermal (rabbit) LD50: >2000 mg/kg ^[1]	
	Oral (rat) LD50: >5000 mg/kg ^[1]	
Skin corrosion/irritation	No skin irritation	
Serious eye damage/irritation	No serious eye irritation	
Respiratory or Skin sensitisation	No data available	
Germ cell mutagenicity	No data available	
Carcinogenicity	CAS number	IARC group
	9011-14-7	3
Reproductive toxicity	No data available	
STOT-single exposure	No data available	
STOT-repeated exposure	No data available	
Aspiration hazard	No data available	
Legend:	1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2.* Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances	

SECTION 12 ECOLOGICAL INFORMATION

Toxicity

Zuru Oosh Cotton Candy	No data available for the mixture
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Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
Polyisobutylene	LOW	LOW
polymethyl methacrlate	LOW (Half-life = 56 days)	LOW (Half-life = 0.4 days)
Undecan-4-olide	LOW	LOW
allyl heptanoate	LOW	LOW
Benzyl benzoate	HIGH	HIGH
ethyl butyrate	LOW	LOW
ethyl butyl acetate	LOW	LOW

Bioaccumulative potential

Ingredient	Bioaccumulation
Polyisobutylene	LOW (LogKOW = 2.2256)
polymethyl methacrlate	LOW (LogKOW = 1.2751)
Undecan-4-olide	LOW (LogKOW = 3.0583)

Zuru Oosh Cotton Candy

allyl heptanoate	LOW (LogKOW = 3.6744)
Benzyl benzoate	MEDIUM (LogKOW = 3.97)
ethyl butyrate	LOW (LogKOW = 1.8464)
ethyl butyl acetate	LOW (LogKOW = 2.8286)

Mobility in soil

Ingredient	Mobility
Polyisobutylene	LOW (KOC = 35.04)
polymethyl methacrlate	LOW (KOC = 10.14)
Undecan-4-olide	LOW (KOC = 476.5)
allyl heptanoate	LOW (KOC = 252.8)
Benzyl benzoate	LOW (KOC = 3119)
ethyl butyrate	LOW (KOC = 21.85)
ethyl butyl acetate	LOW (KOC = 74.33)

SECTION 13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product / Packaging disposal	▶ Recycle wherever possible. ▶ Consult manufacturer for recycling options or consult local or regional waste management authority for disposal if no suitable treatment or disposal facility can be identified.
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SECTION 14 TRANSPORT INFORMATION

Labels Required

Marine Pollutant	NO
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Land transport (DOT): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

SECTION 15 REGULATORY INFORMATION

Safety, health and environmental regulations / legislation specific for the substance or mixture

POLYISOBUTYLENE(9003-27-4) IS FOUND ON THE FOLLOWING REGULATORY LISTS

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory	US TSCA Chemical Substance Inventory - Interim List of Active Substances
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STARCH(9005-25-8) IS FOUND ON THE FOLLOWING REGULATORY LISTS

US - Alaska Limits for Air Contaminants	US - Vermont Permissible Exposure Limits Table Z-1-A Final Rule Limits for Air Contaminants
US - Hawaii Air Contaminant Limits	US - Vermont Permissible Exposure Limits Table Z-1-A Transitional Limits for Air Contaminants
US - Idaho - Limits for Air Contaminants	US - Washington Permissible exposure limits of air contaminants
US - Massachusetts - Right To Know Listed Chemicals	US - Wyoming Toxic and Hazardous Substances Table Z1 Limits for Air Contaminants
US - Michigan Exposure Limits for Air Contaminants	US ACGIH Threshold Limit Values (TLV)
US - Minnesota Permissible Exposure Limits (PELs)	US ACGIH Threshold Limit Values (TLV) - Carcinogens
US - Oregon Permissible Exposure Limits (Z-1)	US NIOSH Recommended Exposure Limits (RELs)
US - Pennsylvania - Hazardous Substance List	US OSHA Permissible Exposure Levels (PELs) - Table Z1
US - Rhode Island Hazardous Substance List	US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory
US - Tennessee Occupational Exposure Limits - Limits For Air Contaminants	US TSCA Chemical Substance Inventory - Interim List of Active Substances

WHITE MINERAL OIL (PETROLEUM)(8042-47-5) IS FOUND ON THE FOLLOWING REGULATORY LISTS

US - Alaska Limits for Air Contaminants	US - Vermont Permissible Exposure Limits Table Z-1-A Final Rule Limits for Air Contaminants
US - California Permissible Exposure Limits for Chemical Contaminants	US - Vermont Permissible Exposure Limits Table Z-1-A Transitional Limits for Air Contaminants
US - California Proposition 65 - Carcinogens	US - Washington Permissible exposure limits of air contaminants
US - Hawaii Air Contaminant Limits	US - Wyoming Toxic and Hazardous Substances Table Z1 Limits for Air Contaminants
US - Idaho - Limits for Air Contaminants	US ACGIH Threshold Limit Values (TLV)
US - Michigan Exposure Limits for Air Contaminants	US ACGIH Threshold Limit Values (TLV) - Carcinogens
US - Minnesota Permissible Exposure Limits (PELs)	US National Toxicology Program (NTP) 14th Report Part A Known to be Human Carcinogens
US - Oregon Permissible Exposure Limits (Z-1)	US NIOSH Recommended Exposure Limits (RELs)
US - Pennsylvania - Hazardous Substance List	US OSHA Permissible Exposure Levels (PELs) - Table Z1
US - Tennessee Occupational Exposure Limits - Limits For Air Contaminants	US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory
	US TSCA Chemical Substance Inventory - Interim List of Active Substances

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Zuru Oosh Cotton Candy

POLYMETHYL METHACRLATE(9011-14-7) IS FOUND ON THE FOLLOWING REGULATORY LISTS

International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs
 US List of Active Substances Exempt from the TSCA Inventory Notifications (Active-Inactive) Rule

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

DIMETHICONE(9006-65-9) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Not Applicable

C.I. PIGMENT RED 122(980-26-7) IS FOUND ON THE FOLLOWING REGULATORY LISTS

US - Michigan Exposure Limits for Air Contaminants
 US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

US TSCA Chemical Substance Inventory - Interim List of Active Substances

DENATONIUM BENZOATE(3734-33-6) IS FOUND ON THE FOLLOWING REGULATORY LISTS

US List of Active Substances Exempt from the TSCA Inventory Notifications (Active-Inactive) Rule
 US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

US TSCA Chemical Substance Inventory - Interim List of Active Substances
 US TSCA Section 12(b) - List of Chemical Substances Subject to Export Notification Requirements

UNDECAN-4-OLIDE(104-67-6) IS FOUND ON THE FOLLOWING REGULATORY LISTS

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

US TSCA Chemical Substance Inventory - Interim List of Active Substances

ALLYL HEPTANOATE(142-19-8) IS FOUND ON THE FOLLOWING REGULATORY LISTS

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

US TSCA Chemical Substance Inventory - Interim List of Active Substances

BENZYL BENZOATE(120-51-4) IS FOUND ON THE FOLLOWING REGULATORY LISTS

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

US TSCA Chemical Substance Inventory - Interim List of Active Substances

ETHYL BUTYRATE(105-54-4) IS FOUND ON THE FOLLOWING REGULATORY LISTS

US - Massachusetts - Right To Know Listed Chemicals
 US - Pennsylvania - Hazardous Substance List
 US - Vermont Permissible Exposure Limits Table Z-1-A Transitional Limits for Air Contaminants

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory
 US TSCA Chemical Substance Inventory - Interim List of Active Substances

ETHYL BUTYL ACETATE(123-66-0) IS FOUND ON THE FOLLOWING REGULATORY LISTS

US - Massachusetts - Right To Know Listed Chemicals
 US - Pennsylvania - Hazardous Substance List
 US - Rhode Island Hazardous Substance List

US List of Active Substances Exempt from the TSCA Inventory Notifications (Active-Inactive) Rule
 US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory
 US TSCA Chemical Substance Inventory - Interim List of Active Substances

Federal Regulations**Superfund Amendments and Reauthorization Act of 1986 (SARA)****SECTION 311/312 HAZARD CATEGORIES**

Flammable (Gases, Aerosols, Liquids, or Solids)	No
Gas under pressure	No
Explosive	No
Self-heating	No
Pyrophoric (Liquid or Solid)	No
Pyrophoric Gas	No
Corrosive to metal	No
Oxidizer (Liquid, Solid or Gas)	No
Organic Peroxide	No
Self-reactive	No
In contact with water emits flammable gas	No
Combustible Dust	No
Carcinogenicity	No
Acute toxicity (any route of exposure)	No
Reproductive toxicity	No
Skin Corrosion or Irritation	No
Respiratory or Skin Sensitization	No
Serious eye damage or eye irritation	No
Specific target organ toxicity (single or repeated exposure)	No
Aspiration Hazard	No
Germ cell mutagenicity	No
Simple Asphyxiant	No

US. EPA CERCLA HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES (40 CFR 302.4)

None Reported

State Regulations

Continued...

Zuru Oosh Cotton Candy**US. CALIFORNIA PROPOSITION 65**

None reported

SECTION 16 OTHER INFORMATION**Other information**

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings.

Definitions and abbreviations

PC – TWA: Permissible Concentration-Time Weighted Average
PC – STEL: Permissible Concentration-Short Term Exposure Limit
IARC: International Agency for Research on Cancer
ACGIH: American Conference of Governmental Industrial Hygienists
STEL: Short Term Exposure Limit
TEEL: Temporary Emergency Exposure Limit,
IDLH: Immediately Dangerous to Life or Health Concentrations
OSF: Odour Safety Factor
NOAEL :No Observed Adverse Effect Level
LOAEL: Lowest Observed Adverse Effect Level
TLV: Threshold Limit Value
LOD: Limit Of Detection
OTV: Odour Threshold Value
BCF: BioConcentration Factors
BEI: Biological Exposure Index