

Safety Data Sheet

According To Regulation (EC) No 1907/2006 (REACH)

FACTORY MADE PRODUCTS PRODUCED ACCORDING TO TS EN 13163 EXPANDED POLYSTYRENE FOAM (EPS)

Version: 1.0
Form No: 444001

Preparation Date : 12/26/2014
Revision Date: 12/26/2014

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product Name	FACTORY MADE PRODUCTS PRODUCED ACCORDING TO TS EN 13163 EXPANDED POLYSTYRENE FOAM (EPS)
SDS¹ No	444001

1.2 Relevant Identified Uses Of The Product And Uses Advised Against

Relevant Identified Uses	Building isolation and decoration
Uses Advised Against	See chapter 16 for a general overview

1.3 Details Of The Supplier Of The Safety Data Sheet

Supplier (Manufacturer)	KAR-YAPI TASARIM KARTONPİYER İNŞ. İML. TURZ. TAŞ. SAN. Ve TİC. A.Ş.
Address – Factory	ORGANİZE SANAYİ BÖLGESİ 2.KISIM 24.CADDE NO:6 DÖŞEMEALTI /ANTALYA
Telephone	+90 444 5 527
Fax	+90 242 344 63 11

1.4 Information Providing Authority About Safety Data Sheet

Şule DEMİRAL – sule.demiral@kar-yapi.com.tr

1.5 Emergency Telephone Number

Company Emergency	+90 444 5 527
--------------------------	---------------

2. HAZARDS IDENTIFICATION


2.1 Classification Of The Product

2.1.1 Classification According to Regulation (EC) No 1272/2008

- Reproductive toxicity, Category 2, H361d
- Effects on or via lactation, H362
- Hazardous to the aquatic environment: Chronic hazard, Category 3, H412

2.2 Label elements

2.2.1. Labeling According to Regulation (EC) No 1272/2008 [CLP²/GHS³]

Product Identifier	
Hazard Component for Labeling	<ul style="list-style-type: none"> · Pentane (mixed isomers) · Hexabromo cyclododecane
Hazard Pictograms	

Safety Data Sheet

According To Regulation (EC) No 1907/2006 (REACH)

FACTORY MADE PRODUCTS PRODUCED ACCORDING TO TS EN 13163 EXPANDED POLYSTYRENE FOAM (EPS)

Version: 1.0
Form No: 444001Preparation Date : 12/26/2014
Revision Date: 12/26/2014**Signal Word**

· WARNING

Hazard Statements**H361d** Suspected of damaging the unborn child.**H362** May cause harm to breast-fed children.**H412** Harmful to aquatic life with long lasting effects.**Precautionary Statements****General****P102** Keep out of reach of children.**Prevention****P 263** Avoid contact during pregnancy/while nursing.**P 270** Do not eat, drink or smoke when using this product.**P 273** Avoid release to the environment**Response**

· None

Storage**P405** Store locked up.**Disposal**

· None

Supplemental Hazard Information (EU) Statements

No data available.

2.2.2. Special Rules For Supplemental Label Elements For Certain Mixtures

None.

2.2.3. Additional Labeling

· Not applicable

2.3 Hazard Identification**2.3.1. Skin Contact**

May cause skin irritation.

2.3.2. Eye Contact

Dusts may cause eye irritation.

2.3.3. Ingestion

May be harmful if swallowed.

2.3.4. Inhalation

May cause upper respiratory tract irritation

2.3.5. Long term effects

No data available

2.3.6. Adverse Environmental Effects

Hazardous to the aquatic environment, long-term hazard.

2.4. Additional Information

· None

Safety Data Sheet

According To Regulation (EC) No 1907/2006 (REACH)






FACTORY MADE PRODUCTS PRODUCED ACCORDING TO TS EN 13163 EXPANDED POLYSTYRENE FOAM (EPS)

Version: 1.0
Form No: 444001

Preparation Date : 12/26/2014
Revision Date: 12/26/2014

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Description Of The Substance: Expanded PolyStyrene foam (eps)

NAME	EINECS NO	CAS NO.	CONT ENT (%)	CLASSIFICATION
				CLP
Pentane (mixed isomers)	203-692-4	109-66-0	$x < 7$	    DANGER Flammable liquids, Category 2; H225 Specific Target Organ Toxicity (single exposure), Category 3; H336 Aspiration hazard, Category 1; H304 Hazardous to the aquatic environment, Chronic Category 2; H411
Hexabromo cyclododecane	247-148-4	25637-99-4	$x < 1$	 WARNING Reproductive toxicity, Category 2; H361 Reproductive toxicity, Additional category for effects on or via lactation; H362

3.2 Additional information

- None

4. FIRST AID MEASURES

4.1.1 Description of first aid measures

4.1.2 General information

- When in doubt or if symptoms are observed, get medical advice.
- In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

4.1.3 Following inhalation

- If a person breathes large amounts, move the exposed person to fresh air at once.
- If breathing has stopped, perform artificial respiration.
- Keep the affected person warm and at rest.
- Get medical attention as soon as possible.

4.1.4 Following skin contact

- Flush skin running water (and soap if available).
- Seek medical attention in event of irritation

4.1.5 Following eye contact

- Immediately wash (irrigate) the eyes with large amount of water, occasionally lifting the lower and upper lids. Get medical attention immediately.
- After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.
- Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

4.1.6 Following ingestion

- Do NOT induce vomiting.

Safety Data Sheet

According To Regulation (EC) No 1907/2006 (REACH)

FACTORY MADE PRODUCTS PRODUCED ACCORDING TO TS EN 13163 EXPANDED POLYSTYRENE FOAM (EPS)

Version: 1.0
Form No: 444001Preparation Date : 12/26/2014
Revision Date: 12/26/2014

- Never give anything by mouth to an unconscious person.
- Rinse mouth with water.
- Consult a physician.

4.1.7 Self-protection of the first aider

- Not applicable

4.1.8 Notes for the doctor

Symptoms

- May cause dizziness.

5. FIRE-FIGHTING MEASURES

5.1 General Information and Flammable Properties

- Product releases pentane, a flammable hydrocarbon and may produce explosive vapor / air mixtures.
- Use firefighting procedures suitable for surrounding area.
- If safe to do so, remove containers from path of fire.

5.2 Extinguishing media:

- Water (spray - not splash)
- Dry extinguishing powder
- Alcohol resistant foam
- Carbon dioxide

5.3 Unsuitable extinguishing media

- Water with full jet

5.4 Special hazards arising from the product

- Attention! Hazardous decomposition products may occur.
- Wear self-contained breathing apparatus.

5.5 Advice for fire-fighters

- Wear breathing apparatus plus protective gloves for fire only

5.6 Additional information

- Cool endangered containers with water in case of fire.
- Do not allow the quenching water into sewage systems

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

- Refer to protective measures listed in section 7 and 8.

6.2 Environmental precautions

- No special measure is required.

6.3 Methods and material for containment and cleaning up

6.3.1 For containment

- Control personal contact by using protective equipment as required
- Take up contaminated material and pass on for further processing.
- Contain for disposal according to local / national regulations.

Safety Data Sheet

According To Regulation (EC) No 1907/2006 (REACH)

FACTORY MADE PRODUCTS PRODUCED ACCORDING TO TS EN 13163 EXPANDED POLYSTYRENE FOAM (EPS)

Version: 1.0
Form No: 444001Preparation Date : 12/26/2014
Revision Date: 12/26/2014

6.3.2 For cleaning up

- Control personal contact by using protective equipment.
- Place in a suitable, labeled container for waste disposal.
- Dispose of in accordance with legal regulations and place in a suitable, labeled container for waste disposal
- Collect recoverable product into labeled containers for recycling

6.3.3 Other information

- Ensure adequate ventilation.
- Dispose of waste material according to local, state and federal regulations.

6.4 Reference to other sections

- Dispose of contaminated material as waste in accordance with section 13.
- See Section 13.

7. HANDLING AND STORAGE

7.1.1 Precautions for safe handling

7.1.2 Protective measures

Personal preventions

- Take care to maintain clean working place.
- The substance must not be present at workplaces in quantities above that required for work to be progressed.
- Do not leave container open.
- Use leak-proof equipment with exhaust for refilling or transfer.
- Fill only into labelled container.
- Avoid any contact when handling the substance.
- Avoid rising dust.

Fire preventions

- See section 5.

Environmental precautions:

- Dispose of waste material according to local, state and federal regulations.

7.1.3 Advice on general occupational hygiene

- Use good occupational work practice.
- Comply with the health and safety at work laws.
- Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities

- Do not use any food containers - risk of mistake.
- Containers have to be labelled clearly and permanently.
- Store in the original container as much as possible.
- Keep container tightly closed.
- Store in a dry place.
- Protect from moisture.

7.1 Advice on common storage

- Protect against electrostatic charges.

Safety Data Sheet

According To Regulation (EC) No 1907/2006 (REACH)

FACTORY MADE PRODUCTS PRODUCED ACCORDING TO TS EN 13163 EXPANDED POLYSTYRENE FOAM (EPS)

Version: 1.0
Form No: 444001

Preparation Date : 12/26/2014
Revision Date: 12/26/2014

- Avoid storing together with UN Class 1 explosives.
- See also instructions on the label.
- Store in a cool, dry, well-ventilated area.
- Keep away from food, drink and animal feeding stuffs.
- Store away from incompatible materials and foodstuff containers.
- Protect containers against physical damage.

7.2 Specific precautions on storage

- Observe the national and local regulations concerning handling and storage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Preventive industrial and medical examinations must be carried out according to the application area.

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.

8.1.1 Occupational exposure limits

Substance or mixture	EINECS ⁴ No	CAS ⁵ No.	Content %	Limit value				Upper limit	Source
				TWA ⁶ (8 h)		STEL ⁷ (15 mn.)			
				mg/m ³ ⁸	ppm ⁹	mg/m ³	ppm		
Pentane (mixed isomers)	203-692-4	109-66-0	x < 7	-	20	-	40	-	ACGIH 2002
Hexabromo cyclododecane	202-851-5	100-42-5	x < 1	-	600	-	-	-	ACGIH 2002

8.2 Exposure controls

Adequate ventilation should be used during processing

8.2.1 Appropriate engineering controls:

See Section 7

8.2.2 Personal protection equipment

8.2.2.1 Eye / Face protection:

Sufficient eye protection must be worn.

Wear chemical safety goggles.

Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants.

In the event of chemical exposure, safety goggles must be used and remove contact lens as soon as practicable



8.2.2.2 Skin protection

Hand protection

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

Due to missing tests no recommendation to the glove material can be given for the product/the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Safety Data Sheet

According To Regulation (EC) No 1907/2006 (REACH)

FACTORY MADE PRODUCTS PRODUCED ACCORDING TO TS EN 13163 EXPANDED POLYSTYRENE FOAM (EPS)

Version: 1.0
Form No: 444001

Preparation Date : 12/26/2014
Revision Date: 12/26/2014

Material of gloves

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.



Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Body protection

Use appropriate body protective cloth.



Other protection

Handle in accordance with good industrial hygiene and safety practice.

8.2.2.3 Respiratory protection

In case of brief exposure or low pollution use respiratory filter device.

In case of intensive or longer exposure use self-contained respiratory protective device.

8.2.3 Environmental exposure controls

Legislation for the protection of the environment must be met in full.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Appearance

Form/Physical state	Solid (as small spheres)
Color	White and transparent
Odor	None
	Value
pH (20 gr/lit in water solution) @ (25°C)	Not available
Boiling point/range (°C)	Not available
Melting point (°C) ca.	Not available
Flash Point (°C)	<-50 (pentane)
Self Ignition temperature (°C)	285 (pentane)
Density kg/m ³ @ 20°C	1020-1050
Lowest Flash Limit (%)	1.3 (pentane)
Highest Flash Limit (%)	7.8 (pentane)
Softening point (°C)	70-75
Vapor density (air = 1)	2.5 (pentane)
Solubility in water g/l @ 20°C	Not soluble
Solubility in other g/l @ 20°C	Soluble in aromatics, halogenated solvents and ketones
Explosive Property	Product is not explosive. Formation of explosive air/vapour mixtures are possible.
Oxidation Property	None

Note: The above features were determined according to prescribed methods at the Classification, Packaging and Labeling of Hazardous. Substances Regulation Section A-3 or a method comparable to the other.

Safety Data Sheet

According To Regulation (EC) No 1907/2006 (REACH)

FACTORY MADE PRODUCTS PRODUCED ACCORDING TO TS EN 13163 EXPANDED POLYSTYRENE FOAM (EPS)

Version: 1.0
Form No: 444001

Preparation Date : 12/26/2014
Revision Date: 12/26/2014

10. STABILITY AND REACTIVITY

10.1 Reactivity

10.2 Chemical stability

- Stable under recommended storage and handling conditions. (See section 7.)

10.3 Possibility of hazardous reactions

- No hazardous reactions known.

10.4 Conditions to avoid:

- Heat, flames and sparks

10.5 Incompatible materials:

UN1 class explosives.

10.6 Hazardous decomposition products:

- Hazardous decomposition products formed under fire conditions.
- Exposure to high temperature; may decompose revealing carbon oxide, toxic and flammable vapors.

10.7 Hazardous polymerization:

- None.

11. TOXICOLOGICAL INFORMATION

11.1 General Information

- Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

11.2 Acute toxicity

Substance or mixture [CAS#]	Content	LD50 Oral	LD50 Dermal	LD50 Inhalation
Pentane (mixed isomers) [CAS#109-66-0]	x <7	>2000 mg/kg	>2000 mg/kg	5 mg/l

11.3 Skin corrosion/irritation and Eye damage/irritation:

- **on the skin:** May cause skin irritation.
- **on the eye:** Dusts may cause eye irritation.

11.4 CMR effects (Carcinogenicity) :

- 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.

11.5 CMR effects (Mutagenicity and Toxicity for reproduction) :

- No data was available concerning mutagenicity and reproductive toxicity

11.6 Other Toxicological Effects:

Allergic Effects	No data available
Effects on Repeated Doses Chronic Exposures	No data available
Sensitization	No data available
Developmental Toxicity (Teratogenicity)	No data available

Safety Data Sheet

According To Regulation (EC) No 1907/2006 (REACH)

FACTORY MADE PRODUCTS PRODUCED ACCORDING TO TS EN 13163 EXPANDED POLYSTYRENE FOAM (EPS)

Version: 1.0
Form No: 444001

Preparation Date : 12/26/2014
Revision Date: 12/26/2014

Fertility	No data available
11.7 STOT-single/repeated exposures:	
STOT-single exposure	No data available
STOT-repeated exposure	No data available
11.8 Symptoms related to the physical, chemical and toxicological characteristics:	
In case of inhalation	May cause upper respiratory tract irritation
In case of skin contact	May cause skin irritation.
In case of eye contact	Dusts may cause eye irritation.
In case of ingestion	May be harmful if swallowed
11.9 Additional Toxicological Information:	
<ul style="list-style-type: none"> · Toxicological classifications are based on available knowledge and information · EEC classification: Harmful. · The special effects to health are considered by taking into account the information in section 3. 	

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity:

Harmful to aquatic life with long lasting effects.

Toxicity to fish:

- No data available

Toxicity to daphnia and other aquatic invertebrates

- No data available

Toxicity to bacteria

- No data available

12.2 Photo degradation

No data available.

12.3 Effects on Waste Water Treatment Plants

Not determined.

12.4 Mobility

Solid

Solubility in water: Not soluble

Soluble in aromatics, halogenated solvents and ketones.

Refer to ecotoxicity.

Water threat class	WGK 2 – Hazardous for water
Clean Water Impact	No data available
Known or predicted environmental distribution	No data available

12.5 Results of PBT and vPvB assessment

Biotic	
Ready biodegradability:	No Data available
Abiotic:	
Hydrolysis as a function of pH:	No data available

Safety Data Sheet

According To Regulation (EC) No 1907/2006 (REACH)

FACTORY MADE PRODUCTS PRODUCED ACCORDING TO TS EN 13163 EXPANDED POLYSTYRENE FOAM (EPS)

Version: 1.0
Form No: 444001

Preparation Date : 12/26/2014
Revision Date: 12/26/2014

Photolysis:	No data available
Atmospheric oxidation:	No data available
Persistence and degradability:	
Decomposition Potential of the products	At water, moderate degradation of pentane is expected
The half-life of degradation	Pentane is expected to have less than 1 day half-life at water
Potential degradation of product content in the evaluation of wastewater treatment plants	No data available
Bioaccumulation Potential :	
Biological environment (biota) accumulation potential	No experimental data describing the bioaccumulation potential for the product and ingredients.
Potential - nutrients pass through	No data available
Reference Values - Log Kow , Sw and BCF	No data available
12.6 Additional information	
<ul style="list-style-type: none"> · Aquatic toxicity: Hazardous to the aquatic environment · See the sections 6, 7, 13, 14 and 15. 	

13. DISPOSAL CONSIDERATIONS

13.1 Product / Packaging disposal

- Hazardous waste according to Waste Catalogue Ordinance (AVV).
- If there is no way of recycling it must be disposed of in compliance with the respective national and local regulations.

13.2 Contaminated packaging

- Collection of small amounts of substance:
Collection vessels must be clearly labelled with a systematic description of their contents.
- If there is product residue in the emptied container, follow directions for handling on the container's label.
- Contaminated packaging must be emptied of all residues and can be recycled following appropriate cleaning.

13.3 Disposal Methods

- The generation of waste should be avoided or minimized wherever possible.
- Store the vessels in a well-ventilated location. Entrust them to the appropriate authorities for disposal.
- Waste packaging should be recycled.
- Incineration or landfill should only be considered when recycling is not feasible.
- This material and its container must be disposed of in a safe way.
- Empty containers or liners may retain some product residues.
- Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and

Safety Data Sheet

According To Regulation (EC) No 1907/2006 (REACH)

FACTORY MADE PRODUCTS PRODUCED ACCORDING TO TS EN 13163 EXPANDED POLYSTYRENE FOAM (EPS)

Version: 1.0
Form No: 444001

Preparation Date : 12/26/2014
Revision Date: 12/26/2014

sewers.

13.4 European Waste Catalogue

- The final classification has to be done together with the local waste disposal company / authority.

14. TRANSPORT INFORMATION

	ADR ¹⁰ /RID ¹¹	ADNR	IMDG ¹²	ICAO ¹³ /IATA ¹⁴
TRANSPORTATION	Road	River	Marine	Airways
PROPER SHIPPING NAME	Not classified as dangerous in the meaning of transport regulations.			
UN/ID No.	-	-	-	-
CLASS	-	-	-	-
PACKAGING GROUP				
LABELLING NO	-			
CLASSIFICATION CODE	-	-	-	-
HAZARD NO (HIN NO)	-			
EmS			-	
MARINE Pollutant			No	

Road Transport Notes: This product is NOT regulated as a hazardous material.

15. REGULATORY INFORMATION

15.1 Safety, Health And Environmental Regulations / Legislation Specific For The Substance EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorization

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Not applicable.

Other EU regulations

Europe inventory: Contents of this mixture are listed or exempted.

Priority List Chemicals: Not listed

15.2 Chemical Safety Assessment

No data available

15.2.1 HAZARD

CLP classification according to Annex VI of CLP (Regulation (EC) No 1272/2008)

- Reproductive toxicity , Category 2, H361d
- Effects on or via lactation, H362
- Hazardous to the aquatic environment: Chronic hazard, Category 3, H412

15.2.2 RISK

- Suspected of damaging the unborn child.
- May cause harm to breast-fed children.
- Harmful to aquatic life with long lasting effects.

15.3 INTERNATIONAL REGULATIONS

Safety Data Sheet

According To Regulation (EC) No 1907/2006 (REACH)

FACTORY MADE PRODUCTS PRODUCED ACCORDING TO TS EN 13163 EXPANDED POLYSTYRENE FOAM (EPS)

Version: 1.0
Form No: 444001Preparation Date : 12/26/2014
Revision Date: 12/26/2014

- This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006 and ISO 11014:2009. This product is classified according to EU Directive 67/548/EC and GHS/CLP.

16. OTHER INFORMATION

16.1 Other information

- For additional information regarding **KAR-YAPI TASARIM KARTONPİYER İNŞ. İML. TURZ. TAŞ. SAN. VE TİC. A.Ş** products please contact the **KAR-YAPI TASARIM KARTONPİYER İNŞ. İML. TURZ. TAŞ. SAN. VE TİC. A.Ş**; Şule DEMİRAL
- The above information complies with the 199/45/EC and 1907/2006 Directives and their amendments.
- In all cases of potential poisoning supportive therapy is of the utmost importance.

16.2 Related Person

- Contact Person: Şule DEMİRAL
- Prepared by: Selcuk Bilgin (Che.Eng) - DORUK KIMYASAL YON. SIS. SAN. VE TİC. LTD.ŞTİ
- Expert Accreditation No: **TSE GBF-1.0348 04.06.2012**

16.3 Revision Date, Version and SDS no

- Date : December 26, 2014
- Version: 1.0
- MSDS No: 444001

16.4 Reason of re-issue

- Compiling according to Regulation (EC) No 1272/2008

16.5 Relevant R-, H- and EUH-phrases (number and full text):

- H225** Highly Flammable liquid and vapour
H336 May cause drowsiness or dizziness
H304 May be fatal if swallowed and enters airways
H361 Suspected of damaging fertility or the unborn child
H362 May cause harm to breast-fed children
H411 Toxic to aquatic life with long lasting effects.

16.6 Legal disclaimer

- The purpose of the above information is to describe the products only in terms of health and safety requirements.
- The information given should not, therefore, be construed as guaranteeing specific properties or as specification.
- Customers should satisfy themselves as to the suitability and completeness of such information for their own particular use.
- The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication.
- The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any

Safety Data Sheet

According To Regulation (EC) No 1907/2006 (REACH)

FACTORY MADE PRODUCTS PRODUCED ACCORDING TO TS EN 13163 EXPANDED POLYSTYRENE FOAM (EPS)

Version: 1.0
Form No: 444001

Preparation Date : 12/26/2014
Revision Date: 12/26/2014

- *process or if the material is altered or processed, unless specified in the text.*
- *The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. Due to the many factors outside our control when using this product, we cannot accept liability for any injury, accident, loss or damage caused through its use.*

¹ SDS: Safety Data Sheet

² CLP: Classification Labelling and Packaging

³ GHS: Global Harmonised System

⁴ EINECS: European Inventory of Chemicals

⁵ CAS: service record number of chemicals.

⁶ TWA: measured or calculated for the reference period specified 8-hour time-weighted average

⁷ STEL: the exposure limit value should not be exceeded for a period of 15 minutes unless another period indicated.

⁸ Mg/m³: (760 mm of mercury pressure), the amount in milligrams of material in 1 m³ of air at a pressure 20 oC and 101.3 kPa

⁹ ppm: 1 m³ of air in the amount of the substance in milliliters (ml / m³)

¹⁰ ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

¹¹ RID: Regulations Concerning the International Transport of Dangerous Goods by Rail

¹² IMDG: International Maritime Code for Dangerous Goods

¹³ ICAO: International Civil Aviation Organization

¹⁴ IATA: International Air Transport Association