

SAFETY DATA SHEET

Date of issue: 07/21/2015
Date of previous issue: New SDS



Section 1. Identification

1.1 Product identifier

Product name L705-FDA-06
Product type Polyester Resin Solution
Chemical family Aromatic.
SDS ID # EU-1507:10255 (Version:1.0)

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses Used in the manufacture of thermoset plastic parts.
Uses advised against No additional information.

1.3 Details of the supplier of the safety data sheet

AOC, LLC
Factory Lane
Brantham, Manningtree
Essex CO11 1NH UK
Tel: +44 (0)1206 390400
Fax: +44 (0)1206 390409

E-mail address of person responsible for this SDS

aoc.sds@aoc-resins.com

1.4 Emergency telephone number (with hours of operation)

Supplier

Telephone number CARECHEM24: + 44 (0) 1235 239 670
Hours of operation 24 hours per day / 7 days per week

Section 2. Hazards identification

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

2.1 Classification of the substance or mixture

Flammable liquid and vapor – Category 3 – H226
Acute toxicity – Category 4 – H332
Reproductive toxicity – Category 2 – H361D
Eye irritation – Category 2 – H319
Skin irritation – Category 2 – H315
STOT-SE = Specific Target Organ Toxicity - Single Exposure – Category 3, H335
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure – Category 1, H372

2.2 Label elements

Hazard pictograms



Signal word

Danger

Hazard statements

H226: Flammable liquid and vapor.
H332: Harmful if inhaled.
H361D: Suspected of damaging the unborn child.
H319: Causes serious eye irritation.
H315: Causes skin irritation.
H335: May cause respiratory irritation.
H372: Causes damage to organs through prolonged or repeated exposure if inhaled.

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Section 2. Hazards identification**Precautionary statements****Prevention**

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/material-handling equipment.
 P242: Use only non-sparking tools.
 P243: Take precautionary measures against static discharge.
 P201: Obtain special instructions before use.
 P202: Do not handle until all safety precautions have been read and understood.
 P264: Wash hands 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/protective clothing/eye protection/face protection.
 P261: Do not breathe vapor or mist.
 P273: Avoid release to the environment.

Response

P370 + P378: In case of fire: Use water spray, dry chemical powder or carbon dioxide for extinction.
 P308 + P313: IF exposed or concerned: Get medical attention/advice.
 P304 + P340 + P312: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.
 P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
 P332 + P313: If skin irritation occurs: Get medical attention.
 P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337 + P313: If eye irritation persists: Get medical attention/advice.
 P301 + P312: IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.
 P391: Collect spillage.

Storage

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

Disposal

P501: Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazards not otherwise classified

None known.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture.

Product/ingredient name	Identifiers	%	Classification Regulation (EC) No. 1272/2008 [CLP]	Type
Styrene	EC: 202-851-5 CAS: 100-42-5 Index: 601-026-00-0	33.0	Flam. Liq. 3, H226 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319	[1]

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

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Section 4. First aid measures

4.1 Description of necessary first aid measures

Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Use of buffered baby shampoo will aid in removal. If irritation persists, get medical attention.

Inhalation

Move the victim to a safe area as soon as possible. Allow the victim to rest in a well-ventilated area. If breathing is difficult, give oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Skin contact

In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. If irritation persists, seek medical attention. Wash contaminated clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion

Wash out mouth with water. Remove dentures if any. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Seek immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Eye contact

Causes serious eye irritation.

Inhalation

Harmful if inhaled. May cause respiratory irritation.

Skin contact

Causes skin irritation.

Ingestion

Irritating to mouth, throat and stomach.

Over-exposure signs/symptoms

Eye contact

Adverse symptoms may include the following: pain or irritation, watering, redness.

Inhalation

Adverse symptoms may include the following: respiratory tract irritation, coughing.

Skin contact

Adverse symptoms may include the following: irritation, redness.

Ingestion

Adverse symptoms may include the following: Irritating to mouth, throat and stomach..

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media :

Use dry chemical, CO₂, water spray (fog) or foam.

Unsuitable extinguishing media

Do not use water jet.

5.2 Specific hazards arising from the chemical

Flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous thermal decomposition products

Decomposition products may include the following materials: carbon dioxide, carbon monoxide, sulfur oxides, halogenated compounds, metal oxide/oxides

5.3 Advice for firefighters

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Section 5. Fire-fighting measures

Special protective actions for fire-fighters

Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation.

For emergency responders

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. See also the information in "For non-emergency personnel".

6.2 Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

6.3 Methods and materials for containment and cleaning up

Small spill

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor.

Large spill

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

7.1 Precautions for safe handling

Protective measures

Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not breathe vapor or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Segregate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Refer to the product label and/or technical data sheet for further information.

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Section 7. Handling and storage

7.3 Specific end use(s)

Recommendations

Used in the manufacture of thermoset plastic parts.

8. Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
Europe No exposure limit value known.	
Czech Republic Styrene	MZCR PEL/NPK-P (Czech Republic, 2/2012). Absorbed through skin. TWA: 100 mg/m ³ 8 hours. TWA: 23.5 ppm 8 hours. STEL: 400 mg/m ³ 15 minutes. STEL: 94 ppm 15 minutes.
France Styrene	Ministère du travail (France, 7/2012). TWA: 50 ppm 8 hours. TWA: 215 mg/m ³ 8 hours.
Germany Styrene Aluminum Hydroxide	TRGS900 AGW (Germany, 1/2012). TWA: 86 mg/m ³ 8 hours. PEAK: 172 mg/m ³ 15 minutes. TWA: 20 ppm 8 hours. PEAK: 40 ppm 15 minutes. TRGS900 AGW (Germany, 12/2014). TWA: 1.25 mg/m ³ 8 hours. Form: alveolar fraction PEAK: 20 mg/m ³ 15 minutes. Form: inhalable fraction TWA: 10 mg/m ³ 8 hours. Form: inhalable fraction
Italy No exposure limit value known.	
Poland Styrene Aluminum Hydroxide	Rozporządzenie Ministra Pracy i Polityki Społecznej (Dz. U. 2002 Nr 217, poz. 1833, z późn. zm.) (Poland, 12/2011). TWA: 50 mg/m ³ 8 hours. STEL: 200 mg/m ³ 15 minutes. Rozporządzenie Ministra Pracy i Polityki Społecznej (Dz.U. 2014 poz. 817) (Poland, 6/2014). TWA: 2.5 mg/m ³ , (calculated as Al) 8 hours. Form: Inhalable fraction TWA: 1.2 mg/m ³ , (calculated as Al) 8 hours. Form: respirable fraction
Slovakia Styrene Aluminum Hydroxide	Nariadenie vlády Slovenskej republiky (Slovakia, 12/2011). TWA: 90 mg/m ³ 8 hours. TWA: 20 ppm 8 hours. STEL: 200 mg/m ³ 15 minutes. STEL: 50 ppm 15 minutes. Nariadenie vlády SR c. 355/2006 (Slovakia, 12/2011). TWA: 4 mg/m ³ 8 hours. Form: inhalable fraction TWA: 1.5 mg/m ³ 8 hours. Form: respirable fraction
Spain Styrene	INSHT (Spain, 1/2012). TWA: 20 ppm 8 hours. TWA: 86 mg/m ³ 8 hours. STEL: 40 ppm 15 minutes. STEL: 172 mg/m ³ 15 minutes.
United Kingdom (UK)	

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8. Exposure controls/personal protection

Styrene

EH40/2005 WELs (United Kingdom (UK), 12/2011).

STEL: 250 ppm 15 minutes.

TWA: 100 ppm 8 hours.

TWA: 430 mg/m³ 8 hours.STEL: 1080 mg/m³ 15 minutes.

Recommended monitoring procedures

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

DNELs/DMELs

No DNELs/DMELs available.

PNECs

No PNECs available.

8.2 Exposure controls

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. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Individual protection measures

Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body 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.

Other skin protection

Appropriate footwear and any additional skin protection measures 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 protection

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 the safe working limits of the selected respirator.



Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state

Liquid.

Color

Clear to Amber.

Odor

Aromatic.

Odor threshold

0.01 - 0.1 ppm (*Styrene*)

pH

Not applicable.

Melting point

-23.8°F / -30.6°C (*Styrene*)

Boiling point

293°F / 145°C (*Styrene*)

Flash point

88°F / 31°C (*Styrene*)

Evaporation rate

< 1 (Butyl acetate = 1)

Flammability (solid, gas)

Not applicable.

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Section 9. Physical and chemical properties

Lower and upper explosive (flammable) limits	Lower: 1.1% Upper: 6.1% (<i>Styrene</i>)
Vapor pressure	5.0 mm Hg@ 68°F / 20°C (<i>Styrene</i>)
Vapor density	3.6 (Air = 1) (<i>Styrene</i>)
Relative density	1.1 (Water = 1)
Solubility	Slight.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	914°F / 490°C (<i>Styrene</i>)
Decomposition temperature	Not available.
Viscosity	1850 cps
Molecular weight	10,000 to 15,000

9.2 Other information

No additional information.

Section 10. Stability and reactivity**10.1 Reactivity**

No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability

The product is stable. Stable under recommended storage and handling conditions (see Section 7).

10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid

Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

10.5 Incompatible materials

Reactive or incompatible with the following materials: oxidizing materials

10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information**11.1 Information on toxicological effects****Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
Styrene	LC50 Inhalation Gas.	Rat	2770 ppm	4 hours
	LC50 Inhalation Vapor	Rat	11800 mg/m ³	4 hours
	LD50 Oral	Rat	2650 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Styrene	Eyes - Mild irritant	Human	-	50 parts per million	-
	Eyes - Moderate irritant	Rabbit	-	24 hours 100 milligrams	-
	Eyes - Severe irritant	Rabbit	-	100 milligrams	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-
	Skin - Moderate irritant	Rabbit	-	100 Percent	-

Sensitization

May cause sensitization by skin contact.

Carcinogenicity**Classification**

Product/ingredient name	ACGIH	IARC	NTP
Styrene	-	2B	Reasonably anticipated to be a human carcinogen.

Mutagenicity

No mutagenic effect.

Reproductive toxicity

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Section 11. Toxicological information

H361D: Suspected of damaging the unborn child.

Teratogenicity

No known effect according to our database..

Specific target organ toxicity (single exposure)

No known effect according to our database.

Specific target organ toxicity (repeated exposure)

A study of long term effects of workers exposed to styrene levels in the range of 25-35 ppm, 8 hour TWA, indicated a possible mild hearing loss.

Aspiration hazard

No known effect according to our database.

Potential acute health effects**Eye contact**

Causes serious eye irritation.

Inhalation

Harmful if inhaled. May cause respiratory irritation.

Skin contact

Causes skin irritation.

Ingestion

Irritating to mouth, throat and stomach.

Symptoms related to the physical, chemical and toxicological characteristics**Eye contact**

Adverse symptoms may include the following: pain or irritation, watering, redness.

Inhalation

Adverse symptoms may include the following: respiratory tract irritation, coughing.

Skin contact

Adverse symptoms may include the following: irritation, redness.

Ingestion

Adverse symptoms may include the following: Irritating to mouth, throat and stomach..

Section 12. Ecological information**12.1 Toxicity**

Ingredient name	Result	Species	Exposure
Styrene	Acute EC50 4.7 mg/l Fresh water Acute LC50 4.02 mg/l Fresh water	Daphnia - Daphnia magna Fish - Pimephales promelas	48 hours 96 hours

Conclusion/Summary : Not available.**12.2 Persistence and degradability**

Ingredient name	Test	Result	Dose	Inoculum
Styrene	EU	100 % - Readily - 1 days	-	-

Conclusion/Summary : Not available.

Ingredient name	Aquatic half-life	Photolysis	Biodegradability
Styrene	-	-	Readily

12.3 Bioaccumulative potential

Ingredient name	LogP _{ow}	BCF	Potential
Styrene	2.95	13.49	low

12.4 Mobility in soil**Soil/water partition coefficient (K_{oc})**

Not available.

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Section 12. Ecological information

12.5 Results of PBT and vPvB assessment

No known effect according to our database.

12.6 Other adverse effects

No known effect according to our database.

Section 13. Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Disposal methods

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid disposal. Attempt to use product completely in accordance with intended use. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions

This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

ADR/RID / IMDG/IMO / ICAO/IATA and National regulations.

14.1 UN number	UN1866
14.2 Proper shipping name	Resin Solution
14.3 Transport hazard class(es) / Label	3



14.4 Packing group	III
14.5 Environmental hazards	Marine pollutant: No.
14.6 Special precautions for user	Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.
Additional information	<p>ADR Exemption Note: ADR exempt (Section 2.2.3.1.5) in containers <450 liters: Special regulations for 'viscous substances' applicable.</p> <p>IMDG Emergency schedules (EmS) 3-05</p> <p>IATA No additional information.</p>

SECTION 15: Regulatory information

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

The substance is a Polymer and hence is exempt according to Article 3 (5), Article 6 (3) of the REACH Regulation.

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorization

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

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SECTION 15: Regulatory information

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles Not applicable.

National regulations**Czech Republic**

Product/ingredient name	List name	Name on list	Classification	Notes
None of the components are listed.				

Storage code : II

France

Product/ingredient name	List name	Name on list	Classification	Notes
None of the components are listed.				

Germany

Product/ingredient name	List name	Name on list	Classification	Notes
None of the components are listed.				

Storage class (TRGS 510) : 3

Hazardous incident ordinance : Applicable. Category: 6 Flammable.

Hazard class for water : 3 Appendix No. 4

Technical instruction on air quality control : TA-Luft Class I - Number 5.2.5: 36.4%

Italy

Product/ingredient name	List name	Name on list	Classification	Notes
None of the components are listed.				

D.Lgs. 152/06 : Not classified.

Poland

Product/ingredient name	List name	Name on list	Classification	Notes
None of the components are listed.				

Slovakia

Product/ingredient name	List name	Name on list	Classification	Notes
None of the components are listed.				

Spain

Product/ingredient name	List name	Name on list	Classification	Notes
None of the components are listed.				

United Kingdom (UK)

Product/ingredient name	List name	Name on list	Classification	Notes
None of the components are listed.				

International lists**National inventory**

Australia : All components are listed or exempted.

Canada : All components are listed or exempted.

China : All components are listed or exempted.

Japan : Not determined.

Malaysia : Not determined.

New Zealand : All components are listed or exempted.


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SECTION 15: Regulatory information

- Philippines** : Not determined.
- Republic of Korea** : All components are listed or exempted.
- Taiwan** : Not determined.
- United States** : All components are listed or exempted.

15.2 Chemical Safety Assessment : This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: Other information

 Indicates information that has changed from previously issued version.

- Abbreviations and acronyms** :
- ATE = Acute Toxicity Estimate
 - CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
 - DMEL = Derived Minimal Effect Level
 - DNEL = Derived No Effect Level
 - EUH statement = CLP-specific Hazard statement
 - PBT = Persistent, Bioaccumulative and Toxic
 - PNEC = Predicted No Effect Concentration
 - RRN = REACH Registration Number
 - vPvB = Very Persistent and Very Bioaccumulative

Europe

- Full text of abbreviated H statements** :
- H226 Flammable liquid and vapor.
 - H315 Causes skin irritation.
 - H319 Causes serious eye irritation.
 - H332 (inhalation) Harmful if inhaled.

- Full text of classifications [CLP/ GHS]** :
- Acute Tox. 4, H332 ACUTE TOXICITY (inhalation) - Category 4
 - Eye Irrit. 2, H319 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2
 - Flam. Liq. 3, H226 FLAMMABLE LIQUIDS - Category 3
 - Skin Irrit. 2, H315 SKIN CORROSION/IRRITATION - Category 2

Date of issue/ Date of revision : 07/21/2015

Date of previous issue : Not applicable.

Version : 1.0

Notice to reader

The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.