IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Detail:

3821- Conductive translucent aerosol paint

Application of the substance / the preparation:

Surface Coating

Manufacturer / supplier:

Holland Shielding Systems B.V.

Jacobus Lipsweg 124 3316 BP Dordrecht the Netherlands

Ph: +31(0)78-204 90 00 Fax: +31(0)78-204 90 08 www.hollandshielding.com info@hollandshielding.com

Emergency telephone number: Ph: +31(0)78- 204 90 00 (8:30AM- 5PM Monday- Friday)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture



Information concerning particular hazards for human and environment

The product has to be labeled due to the calculation of the "General Classification Guideline for the preparations of the EU" in there latest valid version

Classification system

The classification is according to the latest editions of EU-list, and extended by company and literature data. 1330-20-7 Xylene (mix)

2.2 Label elements

Labeling according to the EU guidelines

The product has to been classified and marked in accordance with EU Directives/Ordinance on Hazardous Materials

Code letter and hazard designation of the product

Xn Harmful

F+ Extremely flammable

Hazard-determining components of labeling

Xylene (mix)

| Risk Phrases | | | | |
|----------------|------------------------------------------------------------------------|--|--|--|
| 12 | Extremely Flammable | | | |
| 20/21 | Harmful by inhalation and in contact with skin | | | |
| 38 | Irritating to skin | | | |
| GHS Symbols | GHS02: Flammable | | | |
| Safety Phrases | | | | |
| 7/9 | Keep container tightly closed and in a well ventilated place | | | |
| 16 | Keep away from sources of ignition – no smoking | | | |
| 23 | Do not breath fumes/vapour/spray | | | |
| 25 | Avoid contact with eyes | | | |
| 36/37 | Wear suitable protective clothing and gloves | | | |
| 60 | This material and its container must be disposed of as hazardous waste | | | |

Revision date: 11-5-2016

Special labelling of certain preparations

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50C.

Do not pierce or burn even after use.

Do not spray on a naked flame or any incandescent material

Build up of explosive mixtures possible without sufficient ventilation

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Chemical characterisation: Mixtures

Description: Mixture of substances listed below with non-hazardous additions.



Additional information: For wording of the listed risk phrases refer to section 16

4 FIRST AID MEASURES

4.1 Description of first aid measures

| General information: | Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------|
| After Inhalation | Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist |
| Skin Contact | Immediately wash with water and soap and rinse thoroughly |
| Eye Contact | Rinse open eye for several minutes under running water |
| After swallowing | If symptoms persist consult a doctor |

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available

5 FIRE FIGHTING MEASURES

5.1 Extinguishing Media

Suitable extinguishable agents

CO2, powder or water spray. Fight larger fires with water Spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: water with jet

5.2 Special hazards arising from the substance or mixture

No further relevant information available

5.3 Advice for Fire Fighters

Protective equipment: Mount respirator protective device

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away

6.2 Environmental precautions

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

6.3 Methods and material for containment and cleaning up

Dispose contaminated material as waste according to Item 13. Ensure adequate ventilation

6.4 Reference to other sections

See section 7 for information on safe handling See section 8 for information on personal protection equipment See section 13 for disposal information

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Ensure good ventilation/extraction at the workplace Open and handle receptacle with care

Information about fire - and explosion protection

Keep ignition sources away – do not smoke

Protect against electrostatic charges

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50C i.e. electric lights Do not spray onto naked flame or any incandescentt material

7.2 Conditions for safe storage, including and incompatibilities

Storage

Requirements to be met by storerooms and receptacles

Store in a cool location

Observe official regulations on storing packages with pressurized containers

Information about storage in common storage facility

Further information about storage conditions:

Keep receptacle tightly sealed store in cool, dry conditions in well sealed receptacles Protect from heat and direct sunlight

7.3 Specific end use(s)

No further relevant information available

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Additional information about design of technical facilities no further data; see item 7

| Ingredients with limit values that require monitoring at the workplace: | | | | | | |
|-------------------------------------------------------------------------|--------------------------------------|--|--|--|--|--|
| 115-10-6 dimethyl ether | | | | | | |
| WEL | Short-term value: 958mg/m3, 500PPM | | | | | |
| WEL | Long-term value : 766mg/m3,400PPM | | | | | |
| 1330-20-7 Xylene (mix) | | | | | | |
| WEL | Short-term value : 441mg/m3 , 100PPM | | | | | |
| WEL | Long-term value : 220mg//m3,50PPM | | | | | |
| Ingredients with biological limit values: | | | | | | |
| 1330-20-7 Xylene (mix) | | | | | | |
| | 650 mmol/mol creatinine | | | | | |
| BMGV | Medium : urine | | | | | |
| DIVIGV | Sampling time : post shift | | | | | |
| | Parameter :methyl hippric acid | | | | | |

Additional information : the list valid during the making were used as basis

8.2 Exposure Controls

Keep away from food stuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work Avoid contact with skin Avoid contact with eyes

Individual Protection Measures

Pacniratory Drotaction

When spraying the product, us a respiratory protection device. When skin exposure may occur, advice should be sought from the glove supplier on appropriate types an usage times for this product

Protection of hands

The glove material has to be impermeable and resistant to the product/substance the preparation Selection of the glove material on consideration of the penetration times rates of diffusion and the degradation.

Material of Gloves

The selection of suitable gloves does not only depend on the material but also n the further marks of quality and varies from manufacturer. As the product 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

PENITRATION TIME OF GLOVE MATERIAL

9.

The exact break through time has to be found out by the manufacturer of the protective glove and has to be observed $% \left(1\right) =\left(1\right) \left(1\right)$



Tightly sealed goggles

PHYSICAL AND CHEMICAL PROPERTIES

| Form | Liquid |
|---------------------------------------------|------------------------------|
| Colour | Clear |
| Odour | Characteristic |
| Odour Threshold | Not determined |
| pH Value | Not determined |
| Melting point/Melting range | Undetermined |
| Boiling point/Boiling point range | -24 ºC |
| Flash point | -42 ºC |
| Flammability (solid gaseous) | applicable |
| Ignition temperature | - |
| Decomposition temperature | Not determined |
| Self-igniting | Product is not self igniting |
| Danger of Explosion | Not determined |
| Explosion limits lower | Not determined |
| Explosion limits Higher | Not determined |
| Vapour Pressure at 20 ºC | Not determined |
| Density at 20 ºC | 0.735 g/cm ³ |
| Relative density | Not determined |
| Vapour density | Not determined |
| Evaporation rate | Not applicable |
| Solubility in/Miscibility with water | NOT MISCIBLE |
| Partition coefficient (n-octanol/ water) | Not determined |
| Viscosity: Dynamic | Not determined |
| Kinematic | Not determined |
| Organic solvents | 92.2% |
| Water | - |
| Solids content | 8.8% |

9.2 Other Information

No further information available

10 STABILITY AND REACTIVITY

10.1 Reactivity

No data available on this product

10.2 Chemical Stability

No data available on this product

Thermal decomposition

No decomposition if used according to the specifications

10.3 Possibility of Hazardous reactions

No dangerous reactions know

10.4 Conditions to be avoided

No further information avaible No decomposition if used according to specifications

10.5 Incompatible materials

No further relevant information available

10.6 Hazardous Decomposition Products

No dangerous decomposition products know

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

| Acute toxicity LD/LC50 Values relevant for classification | | | | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------|--------------------|--|--|--|--|
| | Oral | LD50 | 8700 mg/kg (rat) | | | | |
| 1330-20-7 Xylene (mix) | Dermal | LD50 | 2000 mg/kg (rabit) | | | | |
| | Inhalative | LC50/4 h | 6350 mg/l (rat) | | | | |
| Primary irritant effect: | | | | | | | |
| Skin Contact | Irritant to skin and mucous membranes | | | | | | |
| Eye Contact | No irritating effect | | | | | | |
| Sensitization | Sensitization No sensitization effects known | | | | | | |
| Additional toxicological information : | | | | | | | |
| The product shows the following dangers according to the calculation method of the general EU classification guidelines for preparations as issued in the latest version. Harmful Irritant | | | | | | | |

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Aquatic toxicity: no further information available

12.2 Persistence and degradability

No further relevant information is available

12.3 Bioaccumulative potential

No further relevant information is available

12.4 Mobility in soil

No further information avaible

Additional ecological information:

General notes:

Water hazard class 2 (German regulation)(self assessment):hazardous for water Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak in to the ground

12.5 Results of PBT and vPvB

PBT: not applicable vPvB: not applicable

12.6 Other adverse effects

No further relevant information available

13 DISPOSAL CONSIDERATIONS

13.1 waste treatment methods

Must not be disposed together with household garbage.

Do not allow product to reach sewage system

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations

14 TRANSPORT INFORMATION

ADR, IMDG,IATA

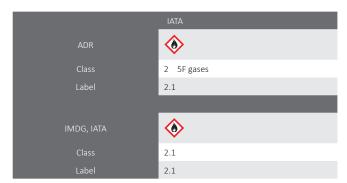
14.1 UN-Number

ADR, IMDG, IATA UN1950

14.2 UN Proper Shipping Name



14.3 Transport Hazard Class



14.4 Packing Group

ADR,IMDG,IATA Void Marine pollutant No

14.5 Environmental hazard

Special precautions for user Warning: Gases
Danger code (Kemler) -

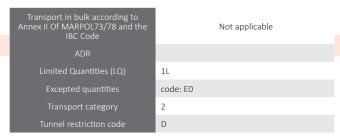
EMS Number F-D, S-U

14.6 special precautions for user

Danger code (kemler):

EMS number F-D-S-U

14.7 Transport Information



Warning Gases



15 REGULATORY INFORMATION

15.1 Safety, health and environment regulations/legislation specific for the substance or mixture National regulations:

Technical instructions

Technical Instructions (air)

Class Share in % NK 91.2

Water hazard class: water hazard class 2 self assessment :hazardous for water.

15.2 chemical safety assessment: a chemical safety assessment has not been carried out

Regulations

Commission regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Regulation, Evaluation, Authorisation and Restriction of Chemicals (REACH) establishing a European Chemicals Agency amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 Council Directive 76/769/EEC and Commission Directive 91/155/EEC, 93/105/EC and 2000/21/EC.

Regulation (EC) No. 1907/2006 of the European Parliament and of the council of 18 December 2006 concerning the Regulation, Evaluation, Authorisation and Restriction of Chemicals (REACH) establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Directive (EEC) No 793/93 and Commission Regulation (EC) No 1488/94. Council Directive 76/769 Section 15: Regulatory Information

/EEC and Commission Directives 91/155/EEC. (93/105/EC) and 2000/21/EC.

EEC Regulation Reach 1907/2006 art.31 and EEC Regulation 1272/2008 (CLP/GHS)

16 OTHER INFORMATION

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

Other Information



Further Information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information related only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.