

1. PRODUCT/MIXTURE AND COMPANY IDENTIFICATION

1.1. Product/Mixture Name

Product Name : AUTOBAHNHOF 2K HS Clearcoat Premium
Identification : 2K HS Clearcoat Premium with two component
Product Code : C2145

1.2. Relevant identified uses of the substances or mixture and uses advise against

Professional usage / All types of vehicles, Painting of equipment

2- HAZARD IDENTIFICATION

2.1. Classification of Product or Mixture

According to 1272/2008/EC CLP Directive;



H Symbol
H226 , H332, H315 , H336, H312, H319, EUH 066

*Detail is given at section 16

2.2. Labeling

According to 1272/2008/EC CLP Directive;



Hazard Symbol : Danger
Including Xylene, Butyl Acetate, PMA

Hazard Statement

| | | |
|--------|---------------|---|
| H315 | Skin irrit 2 | Causes skin irritation |
| H226 | Flam. Liq. 2, | Flammable liquid and vapour |
| H332 | Acute Tox. 4 | Harmful if inhaled |
| H312 | Acute Tox. 4 | Harmful in contact with skin |
| H319 | Eye Irrit. 2 | Causes serious eye irritation |
| H336 | STOT SE 3 | May cause drowsiness or dizziness |
| EUH066 | | Repeated exposure may cause skin dryness or cracking. |

Precautionary Statement - 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/.../ equipment.
P242 Use only non-sparking tools.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

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P271 İyi havalandırılmış yerlerde kullanın.
P273 Çevreye bertarafını engelleyin
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P264 Wash ... thoroughly after handling.

Precautionary Statement - Response

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+351+338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+313 - If skin irritation occurs: Get medical advice/attention.
P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P363 Wash contaminated clothing before reuse.

Precautionary Statement - Storage

P403+P235 – Store in a well-ventilated place.
P405 – Store locked up.

Precautionary Statement - Disposal

P501 - Dispose of contents/container according to legal regulation

2.3. Others

3- COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical | Cas No. | EC No | Concentration | Class | Phrases |
|---------------|-----------|-----------|---------------|----------------|--------------------------|
| Butyl Acetate | 123-86-4 | 204-658-1 | %5-15 | | R10, R66, R67 |
| | | | | GHS07 GHS02 | H226, H336, EUH066 |
| Xylene | 1330-20-7 | 215-535-7 | % 5-15 | Xn | R10, R20/21, R38 |
| | | | | GHS07 | H226, H319, H332, H31 |
| PMA | 108-65-6 | 203-603-9 | %5-10 | Xn | R10, R36 |
| | | | | GHS07 GHS02 | H226, H319 |
| 2K Resin | -- | - | % 60-73 | Xn | R10, R20/21 |
| | | | | GHS07 GHS02 | H226, H332, H312 |

4- FIRST AID MEASURES

4.1. Identification of First Aid Measures

Ventilated the place. Remove exposed personnel from the environment. Ensure that anyone entering the zone. Where necessary, call a doctor. Go to the doctor with the MSDS.

4.1.1. Inhalation: Move to fresh air in case of accidental inhalation of vapours. If not breathing, give artificial respiration. If breathing is difficult, give oxygen, provided a qualified operator is available. Call a physician immediately.

4.1.2. In case of skin contact: Contaminated clothing and shoes are immediately removed and carefully cleaned the

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affected area. If severely affected, consult a doctor. Take off contaminated clothing and shoes immediately. Wash contaminated clothing before re-use. Obtain medical attention.

4.1.4. In case of contact with eyes; rinse eyes with plenty of water for at least 15 minutes at ambient temperature. Avoid rubbing the affected person's eyes or shut up. If you are using contact lenses person involved in the accident, they are not glued to the eye, they should be withdrawn, otherwise can see further losses. In any case, after washing, should be referenced doctoral quickly as possible

4.1.5. Ingestion: Get medical aid immediately, showing the product's TDS. Do not induce vomiting because remove the vomit gastric mucosa in the upper digestive tract and respiratory tract is damage. Rinse the mouth and throat may be affected for digestion. Do not give anything by mouth until you see the doctor in the event of loss of consciousness. Keep the affected person lying position.

4.2. Major Important Symptoms and Effects, both acute and delayed

N/A

4.3. Identification of Any Immediate Medical Attention and Special Treatment Needed

There is no evidence that special protection measures must be done or serious symptoms during working. If any exposure is done, show this the material safety data sheets to the physician.

5. FIRE-FIGHTING MEASURES

5.1. Fire Extinguisher

Suitable fire extinguishers: Use CO₂, extinguishing powder, dry chemical or water spray.

Unsuitable fire extinguishers: NOT recommended to be used with water or water spray.

5.2. Specific hazards arising from the substance or mixture

Toxic gas formation is concerned.

5.3. Advice for firefighting teams:

Use proper personal protective equipment

6- ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Anti-acid protective personal equipment (clothing, gloves, shoes) use. Wear a mask to prevent breathing in chemicals. Don't allow the personal not using protective equipment.

6.2. Environmental precautions

If there is a spillage, clean up immediately by using absorbance materials. Do not allow to enter sewers/surface or ground water. If there is any contamination, inform to the authorities immediately.

6.3. Methods and Material for Containment and Cleaning up

6.3.1. If there is any scattering and pouring, absorb with liquid binding material. Scattering to different regions should be prevented by putting warning signs.

6.3.2. Put a suitable container to collect and scattering in the region. The water treatment plant is placed in a hazardous waste depot occur when cleaning the place. Liquid-binding material (sand, diatomite acid binders, universal binders, sawdust into flour) should be put at the unclean area for absorbing. Provide adequate ventilation.

6.3.3. All kinds of absorbance can be used for cleaning of product.

6.3.4. For more information look at clause 8 and 13

7. HANDLING AND STORAGE

7.1. Precautions for safe Handling :

Make sure that the work area is well ventilated and Besides that, it is need to be precautions with working the chemicals. Washing hands after finishing work.

7.2. Conditions for safe storage, including any incompatibilities

Store in well ventilated at a temperature of 5-30 °C,(41-86°F) in a dry area. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Avoid to contacts heating, radiation, static electricity, food.

7.3. Specific for end user (s)

No information

8- EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Occupational exposure limit values associated with the substances it contains are listed below. Limit values "in Working with Chemical Regulation on Health and Safety Precautions" to have been taken.

| Name of Substances | Limits | | | | Special |
|--------------------|-------------------|-----|-------------------|-----|---------|
| | TWA (8 hours) | | STEL (15 min.) | | |
| | mg/m ³ | ppm | mg/m ³ | ppm | |
| Xylene | 220 | 50 | 441 | 100 | Skin |
| Butyl Acetate | 724 | 150 | 966 | 200 | - |
| PMA | 274 | 50 | 548 | 100 | Deri |

n-butyl acetate

DNEL

Workers - Dermal; Long term systemic effects: 7 mg/kg/day
 Workers - Inhalation; Long term systemic effects: 48 mg/m³
 General population - Dermal; Long term systemic effects: 3,4 mg/kg/day
 General population - Inhalation; Long term systemic effects: 12 mg/m³
 General population - Oral; Long term systemic effects: 3,4 mg/kg/day

PNEC

Fresh water; 0,18 mg/l
 Marine water; 0,018 mg/l
 Intermittent release; 0,36 mg/l
 Sediment (Freshwater); 0,981 mg/kg
 Sediment (Marinewater); 0,0981 mg/kg
 Soil; 0,0903 mg/kg - STP; 35,6 mg/l

xylene

DNEL

Workers - Dermal; Long term systemic effects: 180 mg/kg/day
 Workers - Inhalation; Long term systemic effects: 77 8 h, mg/m³
 Consumer - Oral; Long term systemic effects: 1,6 mg/kg/day
 Consumer - Dermal; Long term systemic effects: 108 mg/m³
 Consumer - Inhalation; Long term systemic effects: 14,8 mg/m³

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Controls to remain under local exposure limits, it must be set ventilation or used other engineering control

techniques.

8.2.2. Individual protective measures, such as personal protective equipment

8.2.2.1. Staff Hygiene

Keep away from food and drink. Wash your hands to work during breaks and after work. The staff and ready solution to preclude contact with the skin and the mucous cells, make sure to use the required personal protective equipment. Use, handling, or smoke during storage.

8.2.2.1. Personal Protective Equipments

Personal protective equipment should be used in case of exceeding the exposure limit at the regulations as a result of the risk assessment and measurement. Eye shower and/or eye spray is used in case of any accident.



Eyes : Use protective glass



Protective clothing should be used as the apron



Gloves: Chemical protective gloves should conform to EN 374 standard. Check protective gloves prior to each use. Contaminated gloves should be disposed as a waste.



Inhalation : Inhibitors should be used with special masks toxic gases.

8.2.3. Environmental Control

Product and packaging can not be spilled at the environment

VOC

According to 40 CFR PART 59

U.O.B. : 465kg/m³ (465 g/l) at 20°C , (68 °F)

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

| | |
|-----------------------|---|
| Appearance | : Liquid |
| Color | : Clear |
| Odor | : Strong |
| Explosion point | : 27 °C, (80 °F) (closed container) |
| Density | : 0,99± 0,02 g/cm ³ at 20°C, (68 °F) |
| Solubility (at water) | : very poor |

9.2. Other Information

10. STABILITY AND REACTIVITY

10.1. Reactivity : No further relevant information available

10.2. Chemical Reactivity: It is stable

10.3. Possibility of Hazardous reactions: No dangerous reactions known.

10.4. Conditions to avoid No decomposition if used according to specifications.

10.5. Incompatible Materials : Acids and toxic gas releases, should be taken against flammable materials.

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10.6. Hazardous decomposition products : Carbon dioxide, carbon monoxide and volatile organics are release

11. TOXICOLOGICAL INFORMATION

Inhalation : When in contact with acids prolonged exposure to the toxic gas release can be fatal when thick

Eating : Food causes damage to the trachea.

Skin : Contact with skin destroys substantially all the clothes and cause burns

Eyes : It can cause serious and permanent damage.

Acute toxicity :

There is no information about the acute toxicity of chemical .

The chemical content of the MSDS of raw materials used in chemical are concerned acute toxicity information of one of the agents is given below.

| | | |
|---------------|--|---|
| Xylene | ATE-Dermal 1.100 mg/kg | ATE-Inhalation 11.0 mg/L |
| PMA | LD ₅₀ -Oral 8.532 mg/kg (rat) | LD ₅₀ -Dermal >5.000 mg/kg (rat) |
| Butyl Acetate | LD ₅₀ -Oral 10.760 mg/kg (rat) | LD ₅₀ -Dermal 14.000 mg/kg (rabbit) |

Effects On People With Chronic

| | |
|-------------------------------|---|
| Subchronic – chronic toxicity | There is no danger of a major effect known or critical. |
| Sensitive reaction | There is no danger of a major effect known or critical. |
| Carcinogenic effects | There is no danger of a major effect known or critical. |
| Mutagenicity | There is no danger of a major effect known or critical. |
| The prolific toxicity | There is no danger of a major effect known or critical. |

12.ECOLOGICAL INFORMATION

Do not allow discharge to the sewerage system and underground water. Why there is no resolution in the nature and substance of the content.

| | | |
|---|-------------------------------|------------------|
| | PMA | Xylene |
| Fish toxicity (LC ₅₀), 90 hr. | >100 mg/l | 1-10 mg/L (48 h) |
| Bactery toxicity, EC ₅₀ | >100 mg/l | 1-10 mg/L |
| Alg toxicity, EC ₅₀ , 96 hr. | >1000 mg/l | 1-10 mg/L |
| EC ₁₀ (30 min) | >1000 mg/l | No information |
| Biodegrebility | Polluted at underground water | Biodegrebility |
| Bioaccumulative Potential | No information | No information |
| PBT/vPvB | N/A | N/A |

13.DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

General information

The generation of waste should be minimised or avoided wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out.

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Disposal methods

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

14- TRANSPORT INFORMATION

Product Name : UN 1263 PAINT (including paint, lacquer, enamel, satin, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) (Including Xylene, Butyl Acetate, PMA)

UN No : 1263
ADR Class : 3



Marking :

Transportation By Road –ADR

| | | | |
|-----------------------|---------------------|----------------------|-------------------------|
| UN No : | UN 1263 | Class | 3:Flammable Liquid |
| Packing Group | III | Packing Code | P001, IBC03, LP01, R001 |
| Special Provision | 163, 367, 640E, 650 | Limited Quantity | 5 L |
| Exemption | 1000 lt. | Exceptional Quantity | E1 |
| Hazard Identification | 33 | Tunnel Category | D/E |

Transportation By Maritime – IMDG

| | | | |
|-------------------------|------------------|------------------|--------------------|
| UN No: | UN 1263 | Class | 3:Flammable Liquid |
| Packing Group | III | Packing Code | P001, IBC03, LP01 |
| Special Provision | 163, 223, 955 | Limited Quantity | 5 L |
| Environmental Pollution | Yes – Category A | EMS No | F-E, S-E |

Transportation by Airlines - IATA

| | | | |
|---------------------------------|-------------|------------|--------------------|
| UN No : | UN 1263 | Class | 3:Flammable Liquid |
| Passenger & Cargo | | | |
| Limited Quantity & Packing Code | 10 L / Y344 | Max Amount | 60L /Y355 |
| Only Cargo; | | Max Amount | 220 L/ Y366 |
| Packing Group | III | ERG-No | 3L |

15- REGULATORY INFORMATION

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

National regulations

Ministry of environment Regulation 28848 / 2013 classification substances and Mixtures, labelling and packing. Regulation 29314 /2015 waste management
Ministry of labor and social security Regulation 28730/2013 Health and safety Precaution working with carcinogenic and mutagenic substances
Regulation 6331/2012 health and safety law. Regulation 28695/2013 personal Protective equipments. Regulation 28733 /2013 health and safety precaution working with chemicals.

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EU legislation

Regulation (EC) No 28848 of the European Parliament and of the Council of December 2013 on classification, labelling and packaging of substances and mixtures (as amended).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as ame

15.2. Other Regulations

1907/2006 (REACH) (CE) Candidate substances to be approved in Regulation: Not relevant
1005/2009 concerning the eroding ozone layer material (CE) Regulation: Not relevant
98/8/CE Annex I of Directive active substances or included in the IA: Not relevant
689/2008 regarding the import and export of hazardous chemical products (CE) Regulation: Not applicable
restrictions on the marketing and use of certain dangerous substances and mixtures (Annex XVII of the REACH Regulation): Not relevant

Specific provisions regarding the protection of persons or the environment: Material Safety Data Sheet should be taken all the measures identified.

Other regulation: Not relevant.

16. OTHER INFORMATION

Abbreviations and acronyms used in the safety data sheet

ATE: Acute Toxicity Estimate.
Kow: Octanol-water partition coefficient.
LC₅₀: Lethal Concentration to 50 % of a test population.
LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose).
EC₅₀: 50% of maximal Effective Concentration.
PBT: Persistent, Bioaccumulative and Toxic substance.
vPvB: Very Persistent and Very Bioaccumulative.
PNEC: Predicted No Effect Concentration.
BCF: Bioconcentration Factor.
NOEC: No Observed Effect Concentration.

Key literature references and sources for data

Source: European Chemicals Agency, <http://echa.europa.eu/> SDSs of raw material supplier's.

Issued by **Feyyaz Akkurt (Mr) - Laboratory Manager / Chemical Engineer**

According to 1272/2008/EC CLP Directive

Hazard Symbol : Xn – Harmful

Including Xylene, Butyl Acetate, PMA

Hazard Statement

| | | |
|--------|---------------|--|
| H315 | Skin irrit 2 | Causes skin irritation |
| H226 | Flam. Liq. 2, | Flammable liquid and vapour |
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Precautionary Statement - Storage

- P403+P235 – Store in a well-ventilated place.
P405 - Store locked up.

Precautionary Statement - Disposal

- P501 - Dispose of contents/container according to legal regulation.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

