## 1 Identification

· **Product identifier**

· **Trade name: MAV PS-612**

· **Details of the supplier of the safety data sheet**
· **Distributor/Supplier:**
Maverick Refinish, Inc.
4390 Old Maumee Rd.
Fort Wayne, IN 46803
· **Information department: Product safety department**
· **Emergency telephone number: During normal opening times:** +1 800.482.3903

## 2 Hazard(s) identification

· **Classification of the substance or mixture**

GHS02 Flame

Flam. Liq. 2 H225 Highly flammable liquid and vapor.

GHS08 Health hazard

Carc. 2 H351 Suspected of causing cancer.

GHS07

Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2A H319 Causes serious eye irritation.

· **Label elements**
· **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
· **Hazard pictograms**

GHS02 GHS07 GHS08

· **Signal word** Danger

(Contd. on page 2)

**Trade name: MAV PS-612**

(Contd. of page 1)

· **Hazard-determining components of labeling:**
titanium dioxide
4-methylpentan-2-one
· **Hazard statements**
Highly flammable liquid and vapor.
Causes skin irritation.
Causes serious eye irritation.
Suspected of causing cancer.
· **Precautionary statements**
If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Wash thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
Specific treatment (see on this label).
Take off contaminated clothing and wash it before reuse.
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
In case of fire: Use for extinction: CO2, powder or water spray.
Store in a well-ventilated place. Keep cool.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.
· **Classification system:**
· **NFPA ratings (scale 0 - 4)**


Health = 2
Fire = 3
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**


Health = *2
Fire = 3
Reactivity = 0

· **Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.



(Contd. on page 3)

**Trade name: MAV PS-612**

(Contd. of page 2)

## 3 Composition/information on ingredients

· **Chemical characterization: Mixtures**
· **Description:** Hazardous substances listed below.

| · **Dangerous components:** | | |
|---|---|---|
| 98-56-6 | 4-chloro-alpha,alpha,alpha-trifluorotoluene | >25-≤50% |
| 13463-67-7 | titanium dioxide | >2.5-≤10% |
| 1332-58-7 | Kaolin | >2.5-≤10% |
| 123-86-4 | n-butyl acetate | >2.5-≤10% |
| 108-10-1 | 4-methylpentan-2-one | >2.5-<10% |
| 1330-20-7 | xylene | >2.5-<10% |

## 4 First-aid measures

· **Description of first aid measures**
· **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
· **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
· **After swallowing:** If symptoms persist consult doctor.
· **Information for doctor:**
· **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
· **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

## 5 Fire-fighting measures

· **Extinguishing media**
· **Suitable extinguishing agents:**
CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· **For safety reasons unsuitable extinguishing agents:** Water with full jet
· **Special hazards arising from the substance or mixture** No further relevant information available.
· **Advice for firefighters**
· **Protective equipment:** No special measures required.

## 6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
· **Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
· **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents
· **Reference to other sections**
See Section 7 for information on safe handling.

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**Trade name: MAV PS-612**

(Contd. of page 3)

See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

· **Protective Action Criteria for Chemicals**

| · **PAC-1:** | | |
|---|---|---|
| 13463-67-7 | titanium dioxide | 30 mg/m³ |
| 123-86-4 | n-butyl acetate | 5 ppm |
| 108-10-1 | 4-methylpentan-2-one | 75 ppm |
| 1330-20-7 | xylene | 130 ppm |

| · **PAC-2:** | | |
|---|---|---|
| 13463-67-7 | titanium dioxide | 330 mg/m³ |
| 123-86-4 | n-butyl acetate | 200 ppm |
| 108-10-1 | 4-methylpentan-2-one | 500 ppm |
| 1330-20-7 | xylene | 920* ppm |

| · **PAC-3:** | | |
|---|---|---|
| 13463-67-7 | titanium dioxide | 2,000 mg/m³ |
| 123-86-4 | n-butyl acetate | 3000* ppm |
| 108-10-1 | 4-methylpentan-2-one | 3000* ppm |
| 1330-20-7 | xylene | 2500* ppm |

## 7 Handling and storage

· **Handling:**
· **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
· **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

· **Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:** Store in a cool location.
· **Information about storage in one common storage facility:** Not required.
· **Further information about storage conditions:**
Keep receptacle tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
· **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

· **Additional information about design of technical systems:** No further data; see item 7.

· **Control parameters**
· **Components with limit values that require monitoring at the workplace:**
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
At this time, the other constituents have no known exposure limits.

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| **1332-58-7 Kaolin** | |
|---|---|
| PEL | Long-term value: 15* 5** mg/m³<br>*total dust **respirable fraction |
| REL | Long-term value: 10* 5** mg/m³<br>*total dust **respirable fraction |
| TLV | Long-term value: 2* mg/m³<br>E; as respirable fraction |
| **123-86-4 n-butyl acetate** | |
| PEL | Long-term value: 710 mg/m³, 150 ppm |
| REL | Short-term value: 950 mg/m³, 200 ppm<br>Long-term value: 710 mg/m³, 150 ppm |
| TLV | Short-term value: 712 mg/m³, 150 ppm<br>Long-term value: 238 mg/m³, 50 ppm |
| **108-10-1 4-methylpentan-2-one** | |
| PEL | Long-term value: 410 mg/m³, 100 ppm |
| REL | Short-term value: 300 mg/m³, 75 ppm<br>Long-term value: 205 mg/m³, 50 ppm |
| TLV | Short-term value: 307 mg/m³, 75 ppm<br>Long-term value: 82 mg/m³, 20 ppm<br>BEI |
| **1330-20-7 xylene** | |
| PEL | Long-term value: 435 mg/m³, 100 ppm |
| REL | Short-term value: 655 mg/m³, 150 ppm<br>Long-term value: 435 mg/m³, 100 ppm |
| TLV | Short-term value: 651 mg/m³, 150 ppm<br>Long-term value: 434 mg/m³, 100 ppm<br>BEI |

· **Ingredients with biological limit values:**

| **108-10-1 4-methylpentan-2-one** | |
|---|---|
| BEI | 1 mg/L<br>Medium: urine<br>Time: end of shift<br>Parameter: MIBK |
| **1330-20-7 xylene** | |
| BEI | 1.5 g/g creatinine<br>Medium: urine<br>Time: end of shift<br>Parameter: Methylhippuric acids |

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls**
· **Personal protective equipment:**
· **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
· **Breathing equipment:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

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**Trade name: MAV PS-612**

(Contd. of page 5)

· **Protection of hands:**

Protective gloves

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

· **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. 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.

· **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.

· **Eye protection:**

Tightly sealed goggles

## 9 Physical and chemical properties

| | |
|---|---|
| · **Information on basic physical and chemical properties** | |
| · **General Information** | |
| · **Appearance:** | |
| **Form:** | Liquid |
| **Color:** | Grey |
| · **Odor:** | Solvent-like |
| · **Odor threshold:** | Not determined. |
| · **pH-value:** | Not determined. |
| · **Change in condition** | |
| **Melting point/Melting range:** | Undetermined. |
| **Boiling point/Boiling range:** | 139 °C (282.2 °F) |
| · **Flash point:** | 12 °C (53.6 °F) |
| · **Flammability (solid, gaseous):** | Not applicable. |
| · **Decomposition temperature:** | Not determined. |
| · **Auto igniting:** | Product is not selfigniting. |
| · **Danger of explosion:** | Product is not explosive. However, formation of explosive air/ vapor mixtures are possible. |
| · **Explosion limits:** | |
| **Lower:** | Not determined. |
| **Upper:** | Not determined. |
| · **Vapor pressure at 50 °C (122 °F):** | 38.6 hPa (29 mm Hg) |

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**Trade name: MAV PS-612**

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| | |
|---|---|
| · **Density at 20 °C (68 °F):** | 1.59 g/cm³ (13.27 lbs/gal) |
| · **Relative density** | Not determined. |
| · **Vapor density** | Not determined. |
| · **Evaporation rate** | Not determined. |
| · **Solubility in / Miscibility with Water:** | Miscible |
| · **Partition coefficient (n-octanol/water):** | Not determined. |
| · **Viscosity:** | |
| **Dynamic:** | Not determined. |
| **Kinematic:** | Not determined. |
| · **Solvent content:** | |
| **Organic solvents:** | 12.0 % |
| **VOC content:** | 12.04 %<br>191.4 g/l / 1.60 lb/gal |
| **Solids content:** | 61.7 % (by weight) |
| · **Other infomation:** | No further relevant information available. |

## 10 Stability and reactivity

· **Reactivity** No further relevant information available.
· **Chemical stability**
· **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
· **Possibility of hazardous reactions** No dangerous reactions known.
· **Conditions to avoid** No further relevant information available.
· **Incompatible materials:** No further relevant information available.
· **Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

· **Information on toxicological effects**
· **Acute toxicity:**
· **Primary irritant effect:**
· **on the skin:** Irritant to skin and mucous membranes.
· **on the eye:** Irritating effect.
· **Sensitization:** No sensitizing effects known.
· **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

· **Carcinogenic categories**

| · **IARC (International Agency for Research on Cancer)** | | |
|---|---|---|
| 14807-96-6 | Talc (Mg3H2(SiO3)4) | 3 |
| 13463-67-7 | titanium dioxide | 2B |
| 108-10-1 | 4-methylpentan-2-one | 2B |
| 1330-20-7 | xylene | 3 |

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· **NTP (National Toxicology Program)**
None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**
None of the ingredients is listed.

## 12 Ecological information

· **Toxicity**
· **Aquatic toxicity:** No further relevant information available.
· **Persistence and degradability** No further relevant information available.
· **Behavior in environmental systems:**
· **Bioaccumulative potential** No further relevant information available.
· **Mobility in soil** No further relevant information available.
· **Additional ecological information:**
· **General notes:**
Water hazard class 2 (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 into the ground.
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

· **Waste treatment methods**
· **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**
· **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

| | |
|---|---|
| · **UN-Number** | |
| · **DOT, IMDG, IATA** | UN1263 |
| · **UN proper shipping name** | |
| · **DOT** | Paint |
| · **IMDG, IATA** | PAINT |
| · **Transport hazard class(es)** | |
| · **DOT** |  |
| · **Class** | 3 Flammable liquids |

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**Trade name: MAV PS-612**

(Contd. of page 8)

| | |
|---|---|
| · **Label** | 3 |
| · **IMDG, IATA** | |
|  | |
| · **Class** | 3 Flammable liquids |
| · **Label** | 3 |
| · **Packing group** | |
| · **DOT, IMDG, IATA** | II |
| · **Environmental hazards:** | Not applicable. |
| · **Special precautions for user** | Warning: Flammable liquids |
| · **Danger code (Kemler):** | 30 |
| · **EMS Number:** | F-E,S-E |
| · **Stowage Category** | A |
| · **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** | Not applicable. |
| · **Transport/Additional information:** | |
| · **DOT** | |
| · **Quantity limitations** | On passenger aircraft/rail: 60 L<br>On cargo aircraft only: 220 L |
| · **IMDG** | |
| · **Limited quantities (LQ)** | 5L |
| · **Excepted quantities (EQ)** | Code: E1<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 1000 ml |
| · **UN "Model Regulation":** | UN 1263 PAINT, 3, II |

## 15 Regulatory information

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

· **Section 355 (extremely hazardous substances):**
None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

| | |
|---|---|
| 108-10-1 | 4-methylpentan-2-one |
| 1330-20-7 | xylene |

· **TSCA (Toxic Substances Control Act):**
All ingredients are listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

| | |
|---|---|
| 13463-67-7 | titanium dioxide |
| 108-10-1 | 4-methylpentan-2-one |

· **Chemicals known to cause reproductive toxicity for females:**
None of the ingredients is listed.

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**Trade name: MAV PS-612**

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· **Chemicals known to cause reproductive toxicity for males:**
None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

| | |
|---|---|
| 108-10-1 | 4-methylpentan-2-one |

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

| | | |
|---|---|---|
| 108-10-1 | 4-methylpentan-2-one | I |
| 1330-20-7 | xylene | I |

· **TLV (Threshold Limit Value established by ACGIH)**

| | | |
|---|---|---|
| 14807-96-6 | Talc (Mg3H2(SiO3)4) | A4 |
| 13463-67-7 | titanium dioxide | A4 |
| 1332-58-7 | Kaolin | A4 |
| 1330-20-7 | xylene | A4 |

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

| | |
|---|---|
| 13463-67-7 | titanium dioxide |

· **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
· **Hazard pictograms**

GHS02 GHS07 GHS08

· **Signal word** Danger

· **Hazard-determining components of labeling:**
titanium dioxide
4-methylpentan-2-one
· **Hazard statements**
Highly flammable liquid and vapor.
Causes skin irritation.
Causes serious eye irritation.
Suspected of causing cancer.
· **Precautionary statements**
If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Wash thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/attention.

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**Trade name: MAV PS-612**

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*Specific treatment (see on this label).*
*Take off contaminated clothing and wash it before reuse.*
*If skin irritation occurs: Get medical advice/attention.*
*If eye irritation persists: Get medical advice/attention.*
*In case of fire: Use for extinction: CO2, powder or water spray.*
*Store in a well-ventilated place. Keep cool.*
*Store locked up.*
*Dispose of contents/container in accordance with local/regional/national/international regulations.*
· **Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.*

## 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.*

· **Department issuing SDS:** *Environment protection department.*
· **Contact:** *Mr. Williams*
· **Date of preparation / last revision** *12/02/2024 / -*
· **Abbreviations and acronyms:**
*IMDG: International Maritime Code for Dangerous Goods*
*DOT: US Department of Transportation*
*IATA: International Air Transport Association*
*ACGIH: American Conference of Governmental Industrial Hygienists*
*EINECS: European Inventory of Existing Commercial Chemical Substances*
*ELINCS: European List of Notified Chemical Substances*
*CAS: Chemical Abstracts Service (division of the American Chemical Society)*
*NFPA: National Fire Protection Association (USA)*
*HMIS: Hazardous Materials Identification System (USA)*
*VOC: Volatile Organic Compounds (USA, EU)*
*PBT: Persistent, Bioaccumulative and Toxic*
*vPvB: very Persistent and very Bioaccumulative*
*NIOSH: National Institute for Occupational Safety*
*OSHA: Occupational Safety & Health*
*TLV: Threshold Limit Value*
*PEL: Permissible Exposure Limit*
*REL: Recommended Exposure Limit*
*BEI: Biological Exposure Limit*
*Flam. Liq. 2: Flammable liquids – Category 2*
*Skin Irrit. 2: Skin corrosion/irritation – Category 2*
*Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A*
*Carc. 2: Carcinogenicity – Category 2*