

1 Identification

- **Product identifier**
- **Trade name:** 5426-04,-16 High Build 2K Primer Activator (Quart & Half Pint)
- **Article number:** 5426
- **Application of the substance / the mixture** Coating
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Manufactured for: IAMG International Autobody Marketing Group, 1505 North Hayden Road, Ste.111, Scottsdale, AZ 85257
Information phone : 480.451.4451
- **Information department:** 1-87-REFINISH
- **Emergency telephone number:** CHEMTREC 1-800-424-9300

* 2 Hazard identification

- **Classification of the substance or mixture**



GHS02 Flame

Flammable Liquids - Category 2

H225 Highly flammable liquid and vapour.



GHS08 Health hazard

Carcinogenicity – Category 2

H351 Suspected of causing cancer.

Specific Target Organ Toxicity - Repeated Exposure - Category 2

H373 May cause damage to organs through prolonged or repeated exposure.



GHS05 Corrosion

Serious Eye Damage - Category 1

H318 Causes serious eye damage.



GHS07

Skin Irritation - Category 2

H315 Causes skin irritation.

Skin Sensitizer - Category 1

H317 May cause an allergic skin reaction.

Specific Target Organ Toxicity - Single Exposure - Category 3

H335 May cause respiratory irritation.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

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Hazard pictograms



Signal word *Danger*

Hazard-determining components of labeling:

KETIMINE RESIN
4-chloro-alpha,alpha,alpha-trifluorotoluene
ethylbenzene
butan-1-ol

Hazard statements

H225 *Highly flammable liquid and vapour.*
H315 *Causes skin irritation.*
H318 *Causes serious eye damage.*
H317 *May cause an allergic skin reaction.*
H351 *Suspected of causing cancer.*
H335 *May cause respiratory irritation.*
H373 *May cause damage to organs through prolonged or repeated exposure.*

Precautionary statements

P201 *Obtain special instructions before use.*
P202 *Do not handle until all safety precautions have been read and understood.*
P210 *Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.*
P240 *Ground and bond container and receiving equipment.*
P241 *Use explosion-proof [electrical/ventilating/lighting] equipment.*
P242 *Use non-sparking tools.*
P243 *Take actions to prevent static discharges.*
P260 *Do not breathe dust/fume/gas/mist/vapours/spray.*
P264 *Wash thoroughly after handling.*
P271 *Use only outdoors or in a well-ventilated area.*
P272 *Contaminated work clothing should not be allowed out of the workplace.*
P280 *Wear protective gloves/protective clothing/eye protection/face protection.*
P303+P361+P353 *IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].*
P304+P340 *IF INHALED: Remove person to fresh air and keep comfortable for breathing.*
P305+P351+P338 *IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*
P310 *Immediately call a poison center/doctor.*
P308+P313 *IF exposed or concerned: Get medical advice/attention.*
P321 *Specific treatment (see on this label).*
P314 *Get medical advice/attention if you feel unwell.*
P362+P364 *Take off contaminated clothing and wash it before reuse.*
P333+P313 *If skin irritation or rash occurs: Get medical advice/attention.*
P370+P378 *In case of fire: Use for extinction: CO₂, powder or water spray.*
P403+P233 *Store in a well-ventilated place. Keep container tightly closed.*
P403+P235 *Store in a well-ventilated place. Keep cool.*
P405 *Store locked up.*
P501 *Dispose of contents/container in accordance with local/regional/national/international regulations.*

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- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMS-ratings (scale 0 - 4)**



* 3 Composition/Information on ingredients

- **Chemical characterization: Mixtures**
- **Description:**
Mixture: consisting of the following components.
Weight percentages

- **Dangerous components:**

98-56-6 4-chloro-alpha,alpha,alpha-trifluorotoluene	15-40% w/w
KETIMINE RESIN	10-30% w/w
1330-20-7 xylene	10-30% w/w
67-64-1 acetone	≥5-<10% w/w
71-36-3 butan-1-ol	≥5-<10% w/w
100-41-4 ethylbenzene	1-5% w/w
108-10-1 4-methylpentan-2-one	0.5-1.5% w/w

* 4 First aid measures

- **Description of first aid measures**
- **After inhalation:**
Supply fresh air and to be sure call for a doctor.
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. Then 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.

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* 5 Firefighting 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 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).
Use neutralizing agent.
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.*
- **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

- **Handling:**
- **Precautions for safe handling** *No special measures required.*
- **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.*

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Reviewed on 04/06/2017

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· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

1330-20-7 xylene

EL Short-term value: 150 ppm

Long-term value: 100 ppm

EV Short-term value: 650 mg/m³, 150 ppm

Long-term value: 435 mg/m³, 100 ppm

67-64-1 acetone

EL Short-term value: 500 ppm

Long-term value: 250 ppm

EV Short-term value: 750 ppm

Long-term value: 500 ppm

71-36-3 butan-1-ol

EL Long-term value: 15 ppm

Ceiling limit value: 30 ppm

EV Long-term value: 20 ppm

100-41-4 ethylbenzene

EL Long-term value: 20 ppm

IARC 2B

EV Short-term value: 540 mg/m³, 125 ppm

Long-term value: 435 mg/m³, 100 ppm

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

EL Short-term value: 75 ppm

Long-term value: 20 ppm

IARC 2B

EV Short-term value: 75 ppm

Long-term value: 205 mg/m³, 50 ppm

· **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.

Store protective clothing separately.

Avoid contact with the skin.

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.

· **Protection of hands:**

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

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Protective gloves

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

· **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:

According to product specification

· **Odor:**

Characteristic

· **Odor threshold:**

Not determined.

· **pH-value:**

Not determined.

· **Change in condition**

Melting point/Melting range:

Undetermined.

Boiling point/Boiling range:

55.8-56.6 °C

· **Flash point:**

-18 °C

· **Flammability (solid, gaseous):**

Not applicable.

· **Ignition temperature:**

340 °C

· **Decomposition temperature:**

Not determined.

· **Auto igniting:**

Product is not selfigniting.

· **Danger of explosion:**

In use, may form flammable/explosive vapour-air mixture.

· **Explosion limits:**

Lower:

1.1 Vol %

Upper:

7 Vol %

· **Vapor pressure at 20 °C:**

6.7 hPa

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- **Density at 20 °C:** 1.01779 g/cm³
- **Relative density** Not determined.
- **Vapor density** Not determined.
- **Evaporation rate** Not determined.
- **Solubility in / Miscibility with Water:** Not miscible or difficult to mix.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - Dynamic:** Not determined.
 - Kinematic:** Not determined.
- **Solvent content:**
 - Organic solvents:** 73.1 %
 - VOC content:** 26.59 %
410.4 g/l / 3.42 lb/gl
- **Solids content:** 26.9 %
- **Other information** 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:**
- **LD/LC50 values that are relevant for classification:**
 - 1330-20-7 xylene**
 - Oral LD50 4,300 mg/kg (rat)
 - Dermal LD50 2,000 mg/kg (rabbit)
- **Primary irritant effect:**
 - on the skin:** Irritant to skin and mucous membranes.
 - on the eye:** Strong irritant with the danger of severe eye injury.
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

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· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

1330-20-7 xylene

3

100-41-4 ethylbenzene

2B

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

2B

· **NTP (National Toxicology Program)**

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.

Must not reach bodies of water or drainage ditch undiluted or unneutralized.

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, TDG, IMDG, IATA**

UN1993

· **UN proper shipping name**

· **DOT**

· **TDG**

Flammable liquids, n.o.s. (Acetone, KETIMINE RESIN)

1993 Flammable liquids, n.o.s. (Acetone, KETIMINE RESIN),
special provision 640D

FLAMMABLE LIQUID, N.O.S. (ACETONE, KETIMINE RESIN)

· **IMDG, IATA**

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· **Transport hazard class(es)**

· **DOT**



· **Class** 3 Flammable liquids
· **Label** 3
· **TDG, IMDG, IATA**



· **Class** 3 Flammable liquids
· **Label** 3

· **Packing group**
· **DOT, TDG, IMDG, IATA** II

· **Environmental hazards:**
· **Marine pollutant:** No

· **Special precautions for user** Warning: Flammable liquids
· **EMS Number:** F-E,S-E
· **Stowage Category** B

· **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: 1 L
On cargo aircraft only: 5 L

· **TDG**
· **Excepted quantities (EQ)** Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml

· **IMDG**
· **Limited quantities (LQ)** 1L
· **Excepted quantities (EQ)** Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml

· **UN "Model Regulation":** UN 1993 FLAMMABLE LIQUIDS, N.O.S., SPECIAL PROVISION 640D (ACETONE, KETIMINE RESIN), 3, II

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*15 Regulatory information

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

- **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

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

1330-20-7 xylene

71-36-3 butan-1-ol

100-41-4 ethylbenzene

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

- **TSCA (Toxic Substances Control Act):**

98-56-6 4-chloro-alpha,alpha,alpha-trifluorotoluene

1330-20-7 xylene

67-64-1 acetone

71-36-3 butan-1-ol

100-41-4 ethylbenzene

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

- **Canadian substance listings:**

- **Canadian Domestic Substances List (DSL)**

98-56-6 4-chloro-alpha,alpha,alpha-trifluorotoluene

1330-20-7 xylene

67-64-1 acetone

71-36-3 butan-1-ol

100-41-4 ethylbenzene

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

- **Canadian Ingredient Disclosure list (limit 0.1%)**

100-41-4 ethylbenzene

- **Canadian Ingredient Disclosure list (limit 1%)**

67-64-1 acetone

71-36-3 butan-1-ol

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

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS02



GHS05



GHS07



GHS08

- **Signal word** Danger

- **Hazard-determining components of labeling:**

KETIMINE RESIN

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4-chloro-alpha,alpha,alpha-trifluorotoluene
ethylbenzene
butan-1-ol

· Hazard statements

H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H317 May cause an allergic skin reaction.
H351 Suspected of causing cancer.
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H373 May cause damage to organs through prolonged or repeated exposure.

· Precautionary statements

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P241 Use explosion-proof [electrical/ventilating/lighting] equipment.
P242 Use non-sparking tools.
P243 Take actions to prevent static discharges.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P264 Wash thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a poison center/doctor.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P321 Specific treatment (see on this label).
P314 Get medical advice/attention if you feel unwell.
P362+P364 Take off contaminated clothing and wash it before reuse.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
P501 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: 1-480-451-4451 Lloyd Fields

· Date of preparation / last revision 04/09/2018 / 7

· Abbreviations and acronyms:

ICAO: International Civil Aviation Organisation

IMDG: International Maritime Code for Dangerous Goods

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CA

Safety Data Sheet
according to HPR, Schedule 1

Printing date 04/09/2018

Reviewed on 04/06/2017

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DOT: US Department of Transportation

IATA: International Air Transport Association

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

. * Data compared to the previous version altered.

CA