

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 05/19/2009

Reviewed on 05/19/2009

1 Identification of substance

- **Product details**

- **Trade name:** XTREME HIGH BUILD 2K - Direct to Metal Primer

- **Article number:** FS-5424-1

- **Information department:**

Manufactured for: ABI (Autobody Brands International) A Division of IAMG/International Autobody Marketing Group
 ADDRESS: 1505 North Hayden Road, Ste.111, Scottsdale, AZ 85257
 INFORMATION PHONE :1-87-REFINISH Web Site: www.autobodybrands.com

- **Emergency information:**

24 HR EMERGENCY CHEMTREC 1-800-424-9300
 EMERGENCY PHONE: (800) 424-9300 (24hrs.)

2 Composition/Data on components

- **Chemical characterization**

- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

7727-43-7	barium sulphate, natural	13 - 30%
67-64-1	acetone	13 - 30%
	Danger: 2.6/2 Warning: 3.3/2A, 3.8/3	
	ACETOACETATE RESIN	13 - 30%
	Danger: 3.1.O/3, 3.1.I/4, 3.2/2, 3.3/2A, 3.8/3	
14807-96-6	Talc (Mg3H2(SiO3)4)	13 - 30%
	Warning: 3.2/2, 3.3/2A, 3.8/3	
110-43-0	heptan-2-one	7 - 10%
	Danger: 3.1.O/3, 3.1.I/4 Warning: 2.6/3	
	EPOXY RESIN	1.5 - 5%
	Warning: 3.2/2, 3.3/2A, 3.8/3	
98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene	1.5 - 5%
	Warning: 2.6/3; 3.2/2, 3.3/2A, 3.8/3	
25036-25-3	EPOXY RESIN	1.5 - 5%
	Warning: 3.2/2, 3.3/2A, 3.8/3	
1333-86-4	Carbon black	1-1.5%
	Warning: 3.2/2, 3.3/2A, 3.8/3	
71-36-3	butan-1-ol	1-1.5%
	Danger: 3.1.O/3, 3.2/2, 3.8/3; 3.3/1 Warning: 2.6/3	
1330-20-7	xylene	1-1.5%
	Danger: 3.1.D/3, 3.1.I/4, 3.2/2 Warning: 2.6/3	

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3 Hazards identification

· Hazard description:



Harmful
Highly flammable

· Information pertaining to particular dangers for man and environment:

The product has to be labelled due to the calculation procedure of international guidelines.

Highly flammable.

Harmful by inhalation and if swallowed.

Irritating to eyes, respiratory system and skin.

· Classification system:

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

· NFPA ratings (scale 0 - 4)



Health = 2

Fire = 3

Reactivity = 0

· HMIS-ratings (scale 0 - 4)



Health = 2

Fire = 3

Reactivity = 0

· GHS label elements



Danger

2.6/2 - Highly flammable liquid and vapour.



Danger

3.1/3 - Toxic if inhaled.

3.1/4 - Harmful if swallowed.

3.2/2 - Causes skin irritation.

3.3/2A - Causes serious eye irritation.

3.8/3 - May cause respiratory irritation.

· Prevention:

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.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Use only outdoors or in a well-ventilated area.

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Wear protective gloves/protective clothing/eye protection/face protection.

Response:

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

IF ON SKIN: Wash with plenty of soap and water.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Call a POISON CENTER or doctor/physician.

Call a POISON CENTER or doctor/physician if you feel unwell.

Specific treatment (see label).

Rinse mouth.

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Take off contaminated clothing and wash before reuse.

In case of fire: Use for extinction: CO2, powder or water spray.

Storage:

Store in a well-ventilated place. Keep container tightly closed.

Store in a well-ventilated place. Keep cool.

Store locked up.

Disposal:

Dispose of contents/container in accordance with local/regional/national/international regulations.

4 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.

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: *Immediately call a doctor.*

5 Fire fighting measures

Suitable extinguishing agents: *CO2, sand, extinguishing powder. Do not use water.*

For safety reasons unsuitable extinguishing agents: *Water with full jet*

Protective equipment: *Mouth respiratory protective device.*

6 Accidental release measures

Person-related safety precautions: *Wear protective equipment. Keep unprotected persons away.*

Measures for environmental protection: *Do not allow to enter sewers/ surface or ground water.*

Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

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Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents

7 Handling and storage

- **Handling:**
- **Information 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.
- **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.

8 Exposure controls and personal protection

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

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

7727-43-7 barium sulphate, natural

PEL	15* 5** mg/m ³ *total dust **respirable fraction
REL	10* 5** mg/m ³ *total dust **respirable fraction
TLV	10 mg/m ³
	E

67-64-1 acetone

PEL	2400 mg/m ³ , 1000 ppm
REL	590 mg/m ³ , 250 ppm
TLV	Short-term value: 1782 mg/m ³ , 750 ppm Long-term value: 1188 mg/m ³ , 500 ppm
	BEI

110-43-0 heptan-2-one

PEL	465 mg/m ³ , 100 ppm
REL	465 mg/m ³ , 100 ppm
TLV	233 mg/m ³ , 50 ppm

1333-86-4 Carbon black

PEL	3.5 mg/m ³
REL	3.5* mg/m ³ *0.1 in presence of PAHs, as PAHs; 10-hr TWA
TLV	3.5 mg/m ³

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71-36-3 butan-1-ol

PEL	300 mg/m ³ , 100 ppm
REL	Short-term value: C 150 mg/m ³ , C 50 ppm Skin
TLV	61 mg/m ³ , 20 ppm

1330-20-7 xylene

PEL	435 mg/m ³ , 100 ppm
REL	Short-term value: 655 mg/m ³ , 150 ppm Long-term value: 435 mg/m ³ , 100 ppm
TLV	Short-term value: 651 mg/m ³ , 150 ppm Long-term value: 434 mg/m ³ , 100 ppm BEI

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

· **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.

· **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

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9 Physical and chemical properties

· General Information

Form:	Liquid
Color:	According to product specification
Odor:	Characteristic

· Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	55°C (131°F)

Flash point:	-20°C (-4°F)
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Ignition temperature:	465°C (869°F)
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Auto igniting:	Product is not selfigniting.
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Danger of explosion:	In use, may form flammable/explosive vapour-air mixture.
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· Explosion limits:

Lower:	2.6 Vol %
Upper:	13.0 Vol %

Vapor pressure at 20°C (68°F):	233 hPa (175 mm Hg)
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Density at 20°C (68°F):	1.4 g/cm ³
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· Solubility in / Miscibility with

Water:	Not miscible or difficult to mix.
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· Solvent content:

Organic solvents:	30.8 %
VOC content:	10.7 %
	209.9 g/l / 1.75 lb/gal

Solids content:	69.2 %
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10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous products of decomposition:** No dangerous decomposition products known.

11 Toxicological information

- **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:
Harmful

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Irritant

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12 Ecological information

- **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

- **Product:**

- **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

- **DOT regulations:**



- **Hazard class:**

3

- **Identification number:**

UN1992

- **Packing group:**

II

- **Proper shipping name (technical name):** FLAMMABLE LIQUID, TOXIC, N.O.S. (ACETONE, ACETOACETATE RESIN)

- **Label**

3+6.1

- **Land transport TDG (Canada) and ADR/RID (Europe):**



- **Hazard class:**

3 Flammable liquids

- **UN-Number:**

1992

- **Packaging group:**

II

- **Label:**

3+6.1

- **Description of goods:**

1992 FLAMMABLE LIQUID, TOXIC, N.O.S. (ACETONE, ACETOACETATE RESIN)

- **Maritime transport IMDG:**



- **IMDG Class:**

3

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· **UN Number:** 1992
 · **Label** 3+6.1
 · **Packaging group:** II
 · **EMS Number:** F-E,S-D
 · **Marine pollutant:** No
 · **Propper shipping name:** FLAMMABLE LIQUID, TOXIC, N.O.S. (ACETONE, ACETOACETATE RESIN)

· **Air transport ICAO-TI and IATA-DGR:**



· **ICAO/IATA Class:** 3
 · **UN/ID Number:** 1992
 · **Label** 3+6.1
 · **Packaging group:** II
 · **Propper shipping name:** FLAMMABLE LIQUID, TOXIC, N.O.S. (ACETONE, ACETOACETATE RESIN)

· **UN "Model Regulation":** UN1992, FLAMMABLE LIQUID, TOXIC, N.O.S., 3 (6.1), II

15 Regulations

· **Sara**

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

None of the ingredient is listed.

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

14807-96-6 Talc (Mg₃H₂(SiO₃)₄)

71-36-3 butan-1-ol

1330-20-7 xylene

100-42-5 styrene

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

7727-43-7 barium sulphate, natural

67-64-1 acetone

14807-96-6 Talc (Mg₃H₂(SiO₃)₄)

110-43-0 heptan-2-one

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

25036-25-3 EPOXY RESIN

1314-13-2 zinc oxide

1333-86-4 Carbon black

71-36-3 butan-1-ol

1330-20-7 xylene

100-42-5 styrene

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· **Proposition 65**

· **Chemicals known to cause cancer:**

25036-25-3	EPOXY RESIN
1333-86-4	Carbon black
1330-20-7	xylene

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

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

None of the ingredients is listed.

· **Cancerogenity categories**

· **EPA (Environmental Protection Agency)**

67-64-1	acetone	I
1314-13-2	zinc oxide	II
71-36-3	butan-1-ol	D
1330-20-7	xylene	I

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

14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	3
1333-86-4	Carbon black	2B
1330-20-7	xylene	3
100-42-5	styrene	2B

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

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

67-64-1	acetone	A4
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	A4
1333-86-4	Carbon black	A4
1330-20-7	xylene	A4
100-42-5	styrene	A4

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

1333-86-4	Carbon black
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· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

· **Product related hazard informations:**

The product has been classified and marked in accordance with directives on hazardous materials.

· **Hazard symbols:**

Harmful
Highly flammable

· **Risk phrases:**

Highly flammable.
Harmful by inhalation and if swallowed.

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Irritating to eyes, respiratory system and skin.

· **Safety phrases:**

Keep container in a well-ventilated place.

Keep away from sources of ignition - No smoking.

Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).

This material and its container must be disposed of as hazardous waste.

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 MSDS:** Environment protection department.

· **Contact:**

Steve Gaver

MSDS Coordinator

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)