

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 05/18/2009

Reviewed on 05/18/2009

1 Identification of substance

- **Product details**

- **Trade name:** **HIGH BUILD DTM ACTIVATOR**

- **Article number:** FS-5426

- **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 (24 hrs.)

2 Composition/Data on components

- **Chemical characterization**

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

- **Dangerous components:**

98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene Warning:  2.6/3;  3.2/2, 3.3/2A, 3.8/3	30 - 40%
	KETIMINE RESIN Danger:  3.1.O/3, 3.4.S/1;  3.2/1B 4.1.A/2	13 - 30%
1330-20-7	xylene Danger:  3.1.D/3, 3.1.I/4, 3.2/2 Warning:  2.6/3	13 - 30%
67-64-1	acetone Danger:  2.6/2 Warning:  3.3/2A, 3.8/3	7 - 10%
71-36-3	butan-1-ol Danger:  3.1.O/3, 3.2/2, 3.8/3;  3.3/1 Warning:  2.6/3	7 - 10%
100-41-4	ethylbenzene Danger:  2.6/2 Warning:  3.1.I/4	1.5 - 5%
108-10-1	4-methylpentan-2-one Danger:  2.6/2 Warning:  3.1.I/4, 3.3/2A, 3.8/3	1-1.5%

3 Hazards identification

- **Hazard description:**



Corrosive
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, in contact with skin and if swallowed.

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Causes burns.
Irritating to respiratory system.
May cause sensitisation by skin contact.

· **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)**



· **HMIS-ratings (scale 0 - 4)**



· **GHS label elements**



2.6/2 - Highly flammable liquid and vapour.



3.1/3 - Toxic if inhaled.
3.1/4 - Harmful if swallowed.
3.1/4 - Harmful in contact with skin.
3.4/1 - May cause an allergic skin reaction.
3.8/3 - May cause respiratory irritation.



3.2/1B - Causes severe skin burns and eye damage.

· **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.

Do not breathe dust/fume/gas/mist/vapours/spray.

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.

Contaminated work clothing should not be allowed out of the workplace.

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

· **Response:**

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

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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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.

Immediately call a POISON CENTER or doctor/physician.

Call a POISON CENTER or doctor/physician.

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

Specific treatment (see label).

Specific measures (see label).

Rinse mouth.

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing 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:**

Immediately remove any clothing soiled by the product.

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 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:**

Immediately call a doctor.

Drink copious amounts of water and provide fresh air. 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).

Use neutralizing agent.

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:**

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

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

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

100-41-4 ethylbenzene

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PEL	435 mg/m ³ , 100 ppm
REL	Short-term value: 545 mg/m ³ , 125 ppm Long-term value: 435 mg/m ³ , 100 ppm
TLV	Short-term value: 543 mg/m ³ , 125 ppm Long-term value: 434 mg/m ³ , 100 ppm
BEI	

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

PEL	410 mg/m ³ , 100 ppm
REL	Short-term value: 300 mg/m ³ , 75 ppm Long-term value: 205 mg/m ³ , 50 ppm
TLV	Short-term value: 307 mg/m ³ , 75 ppm Long-term value: (205) NIC-123 mg/m ³ , (50) NIC-30 ppm
BEI;NIC-A3	

· **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: 116°C (241°F)

· **Flash point:** 16°C (61°F)

· **Ignition temperature:** 340°C (644°F)

· **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:	7.0 Vol %

· **Vapor pressure at 20°C (68°F):** 6.7 hPa (5 mm Hg)

· **Density at 20°C (68°F):** 1.01 g/cm³

· Solubility in / Miscibility with

Water: Not miscible or difficult to mix.

· Solvent content:

Organic solvents:	72.9 %
VOC content:	26.6 %
	410.4 g/l / 3.42 lb/gl

· **Solids content:** 27.1 %

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:

· LD/LC50 values that are relevant for classification:

1330-20-7 xylene

Oral	LD50	4300 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rabbit)

· Primary irritant effect:

- **on the skin:** Caustic effect on skin and mucous membranes.
- **on the eye:** Strong caustic effect.
- **Sensitization:** Sensitization possible through skin contact.

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· **Additional toxicological information:**

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

Harmful

Corrosive

Irritant

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

12 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.

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:**

UN3286

· **Packing group:**

II

· **Proper shipping name (technical name):** FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S. (ACETONE, KETIMINE RESIN)

· **Label**

3+6.1+8

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



· **Hazard class:**

3 Flammable liquids

· **UN-Number:**

3286

· **Packaging group:**

II

· **Label:**

3+6.1+8

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· **Description of goods:** 3286 *FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S. (ACETONE, KETIMINE RESIN)*

· **Maritime transport IMDG:**



· **IMDG Class:** 3
 · **UN Number:** 3286
 · **Label:** 3+6.1+8
 · **Packaging group:** II
 · **EMS Number:** F-E,S-C
 · **Marine pollutant:** No
 · **Propper shipping name:** *FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S. (ACETONE, KETIMINE RESIN)*

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



· **ICAO/IATA Class:** 3
 · **UN/ID Number:** 3286
 · **Label:** 3+6.1+8
 · **Packaging group:** II
 · **Propper shipping name:** *FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S. (ACETONE, KETIMINE RESIN)*

· **UN "Model Regulation":** UN3286, *FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S., 3 (6.1+8), II*

15 Regulations

· **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

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· **Proposition 65**

· **Chemicals known to cause cancer:**

1330-20-7	xylene
100-41-4	ethylbenzene

· **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.

· **Carcinogenicity categories**

· **EPA (Environmental Protection Agency)**

1330-20-7	xylene	I
67-64-1	acetone	I
71-36-3	butan-1-ol	D
100-41-4	ethylbenzene	D
108-10-1	4-methylpentan-2-one	I

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

1330-20-7	xylene	3
100-41-4	ethylbenzene	2B

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

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

1330-20-7	xylene	A4
67-64-1	acetone	A4
100-41-4	ethylbenzene	A3

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

None of the ingredients is listed.

· **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:**

Corrosive
Highly flammable

· **Hazard-determining components of labelling:**

KETIMINE RESIN
xylene

· **Risk phrases:**

Highly flammable.
Harmful by inhalation, in contact with skin and if swallowed.
Causes burns.
Irritating to respiratory system.

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May cause sensitisation by skin contact.

· Safety phrases:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Wear suitable protective clothing, gloves and eye/face protection.

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent