

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier**

GHS Product Identifier **Fix-a-Flat Bike**
 Chemical Name Mixture
 Trade name **Fix-a-Flat Bike**
 CAS No. Mixture
 EINECS No. Mixture
 REACH Registration No. Not available

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Identified use(s) Sealant
 Uses advised against Users are recommended to seek further advice.

1.3 Details of the supplier of the safety data sheet

Company (North America) **Accessories Marketing, Inc.**
 Identification (Europe) **Freightways c/o Access Marketing Europe**
 Address (North America) **125 Venture Drive, Suite 210, San Luis Obispo , CA 93401**
 (Europe) **Mandenmakerstraat 6, 2222 AX Katwijk Nederlands**
 Telephone (North America) **(805) 489-0490**
 (Europe) **+31 71 408 0838**
 E-Mail (competent person) <mailto:brett@slime.com>
Only representative of a non-Community manufacturer
 Company Identification **H2 Compliance**
 Address **Rubicon Building, CIT Campus, Bishopstown, Cork,Ireland**
 Telephone **+353 21 486 8122**
 E-Mail (competent person) <mailto:info@h2compliance.com>

1.4 Emergency telephone number – ChemTel Inc.

Emergency Phone No. (800) 255-3924 , (813) 248-0585

SECTION 2: HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

2.1.1 Regulation (EC) No. 1272/2008 (CLP) and GHS Classifications - Hazardous according to Directives 1272/2008/EC and 1907/2006/EC – Compressed dissolved gas, Acute toxicity 4 (Oral, Inhalation, Dermal), Skin Irritant 2, Eye Irritant 2, Skin Sensitizer 1 (CLP 2.5/1, 3.1/4, 3.2/2, 3.3/2, 3.4/1). Hazardous according to GHS-compliant regulations in Japan, as well as the UN model regulations.

2.1.2 Directive 67/548/EEC & Directive 1999/45/EC - Hazardous according to Directives 67/548/EEC and 1999/45/EC – Harmful, Irritant

2.2 Label elements**2.2.1 Label elements According to Regulation (EC) No. 1272/2008 (CLP)**

GHS Product Identifiers

Hazard pictogram(s)



Signal word(s)

WARNING

Hazard statement(s)

H280: Contains gas under pressure; may explode if heated.
 H302: Harmful if swallowed.
 H312: Harmful in contact with skin.
 H315: Causes skin irritation.
 H317: May cause an allergic skin reaction.
 H319: Causes serious eye irritation.
 H332: Harmful if inhaled.

Precautionary statement(s)

P281: Use personal protective equipment as required.
 P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
 P304 + P341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position 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.

2.2.2 Label elements According to Directive 67/548/EEC & Directive 1999/45/EC

Hazard Symbol



Risk Phrases R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.
R36/38: Irritating to eyes and skin.

Safety Phrases R43: May cause sensitization by skin contact.
S24/25: Avoid contact with skin and eyes.

2.3 Other hazards OSHA Classification (USA): Hazardous under OSHA Hazard Communication Standard – Skin sensitizer.

HMIS: Health – 1, Flammability – 0 Reactivity – 0

WHMIS Classification (Canada): Hazardous under WHMIS.

Classification A: Compressed Gas.

Classification D2B: Material with Other Toxic Effects (Irritant, Sensitizer)

GHS Classification (USA/Canada): Hazardous under GHS.

H280: Contains gas under pressure; may explode if heated.





H302: Harmful if swallowed.

H315: Causes skin irritation.




H317: May cause an allergic skin reaction.

H320: Causes eye irritation.


2.4 Additional Information None
SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS
EC Classification No. 1272/2008/EC (GHS Classification)

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard pictogram(s) and Hazard statement(s)
Natural Latex Rubber	20-40	9006-04-6	NA	NA	 CLP: 3.4/1, H317
Norflurane	10-30	811-97-2	212-377-0	NA	 2.5/1; H280
2-Butoxyethanol	5-15	111-76-2	203-905-0	603-014-00-0	 3.1/4, 3.2/2, 3.3/2; H302, H312, H315, H319, H332
Ammonia	<0.2	7664-41-7	231-635-3	007-001-00-5	 2.5/1, 2.6/2, 3.1/3 (Inhalation), 3.2/1B, 4.1/1; H221, H280, H314, H331, H400

EC Classification No. 67/548/EEC

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard pictogram(s) and Risk (R) Phras(es)
Natural Latex Rubber	20-40	9006-04-6	NA	NA	 Xn; R43
Norflurane	10-30	811-97-2	212-377-0	NA	None None
2-Butoxyethanol	5-15	111-76-2	203-905-0	603-014-00-0	 Xn, Xi; R20/21/22, R36/38
Ammonia	<0.2	7664-41-7	231-635-3	007-001-00-5	 T, N+; R10, R23, R34, R50

3.3 Additional Information

- For full text of H phrases see section 16. For full text of R phrases see section 16. Non-Hazardous ingredients are not listed and make up the balance of the product.



SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Remove patient from exposure. Keep patient at rest and give oxygen if breathing difficult. If symptoms develop, obtain medical attention.
Skin Contact	Wash exposed areas with soap and warm water. In the event of irritation, seek medical advice. Can be absorbed through skin causing systemic harmful effects.
Eye Contact	Remove any contact lenses. Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. Obtain immediate medical attention.
Ingestion	Not a likely route of exposure. Ingestion is expected to cause irritation of the gastrointestinal tract. If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting. Make victim drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

Acute: Can be absorbed through skin causing systemic harmful effects. May cause drowsiness and dizziness. Irritant effect on skin and eyes. **Affects liver, kidneys, central nervous system when systemically absorbed or ingested.**
Delayed and chronic effects: Expected to be similar to acute exposures. Multiple or prolonged contact with skin may result in chemical or allergic dermatitis.

4.3 Indication of the immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Combustible at fire temperatures. Acrid smoke. Not Sensitive to mechanical impact and static discharge.
 Flash Point > 93.3°C / 200°F. Explosive Limits: NA Auto-Ignition Temperatures: NA

5.1 Extinguishing media

Suitable Extinguishing Media	Extinguish preferably with dry chemical, foam or water spray.
Unsuitable Extinguishing Media	None known.

5.2 Special hazards arising from the substance or mixture

Containers may rupture from exposure to high temperatures, releasing contents that may be slippery.

5.3 Advice for fire-fighters

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Extinguish preferably with dry chemical, foam or water spray.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Nitrile gloves are suggested for spill cleanup. Ensure suitable personal protection (including respiratory protection) during removal of spillages.

6.2 Environmental Precautions

Environmental hazards cannot be excluded by inappropriate handling or disposal.

6.3 Methods and material for containment and cleaning up

Mix spilled product with sand, then shovel up into covered container. For small spills on hard surfaces, allow substance to harden, then scrape up and discard. Do not crush aerosol cans.

6.4 Reference to other sections

See Also Section 7, 8, 13.

6.5 Additional Information

None

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid ingestion. Avoid skin and eye contact. Use only in well-ventilated areas. Keep away from oxidizing agents. Heating of containers may cause pressure rise, with risk of bursting. Do not crush, puncture, or attempt to dismantle aerosol cans.



- 7.2 Conditions for safe storage, including any incompatibilities**
 Storage Temperature: Ambient.
 Storage Life: Not available
 Incompatible materials: Can react violently if in contact with acids, and oxidizing agents.
- 7.3 Specific end use(s)** Consult the supplier.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note:
Natural Latex Rubber	9006-04-6	NE	NE	NE	NE	None
		NE	NE	NE	NE	None
Norflurane	811-97-2	1000	NE	NE	NE	UK HSE
		1000	NE	NE	NE	Dupont AEL
2-Butoxyethanol	111-76-2	20	NE	50	NE	EU OEL
		20	NE	NE	NE	ACGIH TLV
		50	NE	NE	NE	OSHA PEL
Ammonia	7664-41-7	20	NE	50	NE	EU OEL
		25	NE	35	NE	ACGIH
		50	NE	NE	NE	OSHA

OELs are not available for non-listed components. AEL – Acceptable Exposure Limit.





8.1.2 Biological limit value

Limit value type (country of origin)	SUBSTANCE.	CAS No.	Biological limit value	Note:
No Biological Limit Values are available for this product				

8.1.3 PNECs and DNELs

No PNECs or DNELs are available for this product. As with all chemical products, users are cautioned to avoid unnecessary exposures.

8.2.2 Personal protection equipment

	Respirators	Usually Not Needed.
	Eye Protection	Safety glasses are suggested as good practice.
	Gloves	Nitrile or neoprene gloves are suggested where skin contact is possible.
	Body protection	Usually Not Needed.
	Engineering Controls	No special controls required.
	Other	Clean contaminated equipment.



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Aerosol	Color	White
Odor	Slight.	Odor Threshold (ppm)	Not available
Melting Point (°C) / Freezing Point (°C)	< 32°F / 0°C	Boiling point/boiling range (°C):	> 212°F / 100°C
Flash Point (°C)	> 200°F / 93°C	Explosive limit ranges	Not Flammable
Auto Ignition Temperature (°C)	Not Flammable	Decomposition Temperature (°C)	Not available
Explosive properties	Not Flammable	Oxidizing properties	Not an Oxidizer
Flammability (solid, gas)	Not Flammable	pH (Value)	10.5 ± 1.0
Evaporation rate	< Butyl Acetate	Vapor Pressure (mm Hg)	~17 mm Hg (20 °C / 68 °F)
Vapor Density (Air=1)	> 1	Density (g/ml)	1.10 ± 0.1
Solubility (Water)	Partial.	Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	Not available	Viscosity	<3 mPa

9.2 Other information

Volatile Organic Chemical (VOC) Content: <35% by weight.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	May react with incompatible materials.
10.2 Chemical stability	Stable under normal conditions. Avoid temperature extremes
10.3 Possibility of hazardous reactions	Can react violently if in contact with acids and oxidizing agents.
10.4 Conditions to avoid	Avoid temperature extremes
10.5 Incompatible materials	Can react violently if in contact with acids and oxidizing agents.
10.6 Hazardous Decomposition Product(s)	Carbon monoxide, Carbon dioxide, Nitrogen Oxides, Sulfur Oxides. Thermal decomposition will evolve irritant vapors.

SECTION 11: TOXICOLOGICAL INFORMATION

SUBSTANCE	CAS No.	LD ₅₀ (Oral, Rat)	LC ₅₀ (Inhalation, Rat)	LD ₅₀ (Dermal, Rat)
Natural Latex Rubber	9006-04-6	NE	NE	NE
Norflurane	811-97-2	NE	567000 ppm / 4 Hours	NE
2-Butoxyethanol	111-76-2	470 mg/kg	450 ppm / 4 Hours	220 mg/kg (Rabbit)
Ammonia	7664-41-7	NE	2000 ppm / 4 Hours	NE

11.1 Information on toxicological effects**11.1.2 Mixtures**

Acute toxicity and Exposure Effects	Ingestion	Harmful if swallowed. Not a likely route of exposure.
	Inhalation	Harmful by inhalation.
	Skin Contact	Causes skin irritation. Can be absorbed through skin causing systemic harmful effects. Latex component may cause skin sensitivity.
	Eye Contact	Causes eye irritation.
Irritation		Causes irritation to eyes and skin.
Corrosivity		Slight
Repeated dose toxicity		Expected to be similar to single exposures. May cause chemical or allergic dermatitis.
Carcinogenicity		No data.
Mutagenicity		No data.
Toxicity for reproduction		No data.

11.2 Other information

None



SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	May cause harm to the environment; this harm is generally not expected to be long-term.
12.2 Persistence and degradability	Partially persistent
12.3 Bioaccumulative potential	Particulate material may bioaccumulate with multiple spills.
12.4 Mobility in soil	Variable mobility; dependent upon component.
12.5 Results of PBT and vPvB assessment	No data.
12.6 Other adverse effects	Environmental hazards cannot be excluded by inappropriate handling or disposal.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Disposal should be in accordance with local, state or national legislation. Containers must not be punctured or destroyed by burning, even when empty.
13.2 Additional Information	None

SECTION 14: TRANSPORT INFORMATION

Land transport (ADR/RID) (b)(c)(d)

UN number	1950
Proper Shipping Name	Aerosols, Non-Flammable.
Transport hazard class(es)	2.2
Packing Group	NA
Hazard label(s)	Non-Flammable Gas
Environmental hazards	None
Special precautions for user	None

Land transport (Within USA) (b)(c)(d)

UN number	1950 (or ORM-D)
Proper Shipping Name	Aerosols, Non-Flammable / ORM-D
Transport hazard class(es)	2.2 or ORM-D
Packing Group	NA
Hazard label(s)	Non-Flammable Gas /ORM-D
Environmental hazards	None
Special precautions for user	None

Sea transport (IMDG) (b)(c)(d)

UN number	1950
Proper Shipping Name	Aerosols, Non-Flammable.
Transport hazard class(es)	2.2
Packing Group	NA
Marine Pollutant	None
Special precautions for user	None

Air transport (ICAO/IATA) (b)(c) (d)

UN number	1950
Proper Shipping Name	Aerosols, Non-Flammable.
Transport hazard class(es)	2.2
Packing Group	NA
Environmental hazards	None
Special precautions for user	None



(b)– Limited Quantity for packages less than 30 kg (66 lb). Consult regulation for inner packing limits.

(c)– Consult with transport provider.

(d)– Check relevant regulations for Special Provisions.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code



SECTION 15: REGULATORY INFORMATION

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

15.1.1 EU regulations

Authorisations and/or restrictions on use Consult the supplier.

European Union (EINECS/ELINCS) All chemicals listed

German WGK number 2

15.1.2 National regulations

USA

TSCA (Toxic Substance Control Act) All chemicals listed.

SARA 311/312 - Hazard Categories Acute Health, Pressurized

SARA 302 - Extremely Hazardous Substances Listed - None

SARA 313 - Toxic Chemicals Listed - 2-Butoxyethanol (as glycol ether), Ammonia (as ammonium hydroxide)

CERCLA (Comprehensive Environmental Response Compensation and Liability Act) RQ = 1000 lbs. (454 kg) as ammonium hydroxide.

CAA (Clean Air Act 1990) Listed - None

CWA (Clean Water Act) Listed - None

State Right to Know Lists Listed as required.

Proposition 65 (California) Listed - None

Canada

WHMIS Classification A – Compressed Gas.
D2B – Materials with Other Toxic Effects.

Canada (DSL/NDSL) Listed as required.

Canada Ingredient Disclosure List (CIDL) Listed as required.

Japan

Japan Fire Service Act Not classified as flammable/combustible, oxidizing, or reactive.

15.2 Chemical Safety Assessment Hazardous – Harmful, Irritant, Aerosol



SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

LEGEND

ACGIH	American Conference of Governmental Industrial Hygienists	NA	not applicable, not available
AICS	Australian Inventory of Chemical Substances	NIOSH	National Institute for Occupational Safety and Health
ANSI	American National Standards Institute	ND	not determined
atm	atmosphere (pressure unit)	NFPA	National Fire Prevention Association
BOD	biological oxygen demand	NTP	National Toxicology Program
CAS	Chemical Abstracts Service	OC	open cup
CC	closed cup	OSHA	Occupational Safety and Health Administration
CDTA	Chemical Drug and Trafficking Act	Part	partition
COC	Cleveland Open Cup	PEL	permissible exposure limits
COD	chemical oxygen demand	ppb	parts per billion
coeff.	coefficient	PPE	personal protective equipment
CFR	Code of Federal Regulations	ppm	parts per million
CPR	cardio-pulmonary resuscitation	psi	pounds per square inch
DEA	Drug Enforcement Agency	RCRA	Resource Conservation and Recovery Act
DOT	Department of Transportation	RQ	Reportable quantity
DSCL	Dangerous Substances Classification and Labeling	RTK	Right to Know
EEC	European Economic Community	SARA	Superfund Amendments and Reauthorization Act
FDA	Food and Drug Administration	STEL	short-term exposure limit
HMIS	Hazardous Materials Information System	SUSDP	Standard for the Uniform Scheduling of Drugs and Poisons (Australia)
IARC	International Agency for Research on Cancer	TCC	Tagliabue Closed Cup
IDLH	immediate danger to life or health	TDG	Transportation of Dangerous Goods
kg	kilogram	TPQ	threshold planning quantity
L	liter	TQ	threshold quantity
LC50	median lethal concentration	TSCA	Toxic Substances Control Act
LD50	median lethal dose	TWA	time-weighted average
LEL	lower explosive limit	UEL	upper explosive limit
mg	milligram	WES	Workplace Exposure Standard (New Zealand)
mL	milliliter	WHMIS	Workplace Hazardous Material Information System

References: RTECS, CAS Registry, EINECS/ESIS, *Casarett & Doull's Toxicology*, *Goldfrank's Toxicological Emergencies*, Manufacturer Information

Risk Phrases and Safety Phrases

R10: Flammable.
 R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.
 R23: Toxic by inhalation.
 R34: Causes burns.
 R36/38: Irritating to eyes and skin.
 R43: May cause sensitization by skin contact.
 R50: Very toxic to aquatic organisms.
 S2: Keep out of the reach of children.
 S7/9: Keep container tightly closed and in a well-ventilated place.
 S16: Keep away from sources of ignition - No smoking.
 S23: Do not breathe gas.
 S24/25: Avoid contact with skin and eyes.
 S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S28: After contact with skin, wash immediately with plenty of soap and water.
 S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.
 S38: In case of insufficient ventilation, wear suitable respiratory equipment.
 S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
 S46: If swallowed, seek medical advice immediately and show this container or label.
 S51: Use only in well-ventilated areas.
 S53: Avoid exposure - obtain special instructions before use.
 S56: Dispose of this material and its container to hazardous or special waste collection point.
 S61: Avoid release to the environment. Refer to special instructions/Safety Data Sheets.
 S63: In case of accident by inhalation: remove casualty to fresh air and keep at rest.



Hazard statement(s) and Precautionary statement(s)

H221: Flammable gas.

H280: Contains gas under pressure; may explode if heated.

H302: Harmful if swallowed.

H312: Harmful in contact with skin.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H331: Toxic if inhaled.

H332: Harmful if inhaled.

H400: Very toxic to aquatic life.

P201: Obtain special instructions before use.

P210: Keep away from heat, sparks, open flame, hot surfaces - No smoking

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301 + P312: IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell.

P301 + P330 + P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P302 + P350: IF ON SKIN: Gently wash with plenty of soap and water.

P303 + P361 + P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P304 + P341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position 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.

P361: Remove/Take off immediately all contaminated clothing.

P410 + P403: Protect from sunlight. Store in a well-ventilated place.

Training advice: None

Additional Information: Replaces all previous editions.

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