



H.B. Fuller



H.B. Fuller Company
1200 Willow Lake Blvd.
Saint Paul, MN 55110

February 23rd, 2021

Dangerous Goods Additional Information

This material is classified as UN1133, Adhesives, 3, PGII based on the recorded flammability properties listed in section 9 of the attached SDS.

After further reviewing the physical properties of the adhesive, HB Fuller has determined that this material can be reclassified as **UN1133, Adhesives, 3, PGIII**, when shipped in containers of less than 30 L (7.9 US GAL). The applicable statutes for this reclassification are CFR § 173.121(b) for US ground shipments, IATA DG code § 3.3.3.1 for international air shipments, and IMDG code § 2.3.2.3 for international sea shipments.

This information applies to the attached product manufactured in North America. If you have any questions or require additional information, please email your questions MSDS.Request@hbfuller.com.

Disclaimer

Users should consider this regulatory information provided only as a supplement to other information, such as the Technical or Material Safety Data Sheet. It is the responsibility of our customers to determine that their use of our products is safe, lawful, and technically suitable in their intended applications. Because of possible changes in the laws and regulations, as well as possible changes in our products, we cannot guarantee that the status of these products will remain unchanged. Therefore, we recommend that customers continuing to use these products verify their status periodically. For additional information about these products, please contact your H.B. Fuller representative or visit our website at www.hbfuller.com.

SAFETY DATA SHEET**H.B. Fuller® 14132**

Version 1.3

Revision Date 07/09/2025

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : H.B. Fuller® 14132
Product code : 100000027805

Manufacturer or supplier's details

Company : H.B. Fuller Company
Address : 1200 Willow Lake Boulevard
Vadnais Heights, MN 55110
Telephone : 1-888-423-8553

Medical Emergency Phone Number (24 Hours): 1-888-853-1758

Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

Recommended use of the chemical and restrictions on use

Recommended use : Solvent based adhesive
Restrictions on use : For industrial use only.

SECTION 2. HAZARDS IDENTIFICATION**Emergency Overview**

Appearance	liquid
Odor	characteristic

GHS Classification

Flammable liquids : Category 2
Skin irritation : Category 2
Respiratory sensitization : Category 1
Skin sensitization : Category 1
Reproductive toxicity : Category 2
Specific target organ toxicity -
single exposure : Category 3 (Central nervous system)
Specific target organ toxicity -
repeated exposure : Category 2
Aspiration hazard : Category 1

GHS label elements

Hazard pictograms :



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Signal Word : Danger

Hazard Statements:

H225 Highly flammable liquid and vapor. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H336 May cause drowsiness or dizziness. H361f Suspected of damaging fertility. H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary Statements:

Prevention: P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P210 Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking. P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P260 Do not breathe mist or vapors. P264 Wash skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P272 Contaminated work clothing must not be allowed out of the workplace. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P285 In case of inadequate ventilation wear respiratory protection.

Response: P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. P308 + P313 IF exposed or concerned: Get medical advice/ attention. P331 Do NOT induce vomiting. P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention. P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER/ doctor. P362 Take off contaminated clothing and wash before reuse. P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage: 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.

Disposal: P501 Dispose of contents/ container to an approved waste disposal plant.

Potential Health Effects**Carcinogenicity:**

IARC	No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
NTP	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous ingredients

Chemical name	CAS-No.	Concentration [%]
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n-hexane	110-54-3	20 - 30
Hexane, branched and linear	92112-69-1	10 - 20
methylcyclopentane	96-37-7	5 - 10
Rubber, natural	9006-04-6	5 - 10

Actual concentration is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

- General advice : Show this material safety data sheet to the doctor in attendance.
- If inhaled : Move to fresh air.
If symptoms persist, call a physician.
- In case of skin contact : Wash off with soap and water.
Get medical attention if irritation develops and persists.
- In case of eye contact : Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.
- If swallowed : Do NOT induce vomiting.
If victim is fully conscious, give a cupful of water.
Never give anything by mouth to an unconscious person.
Obtain medical attention.
- Most important symptoms and effects, both acute and delayed : May be fatal if swallowed and enters airways.
Causes skin irritation.
May cause an allergic skin reaction.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause drowsiness or dizziness.
Suspected of damaging fertility.
May cause damage to organs through prolonged or repeated exposure.

SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific hazards during fire fighting : Cool closed containers exposed to fire with water spray.
- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.
Use personal protective equipment.

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SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Remove all sources of ignition.
 Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
 Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Prevent spreading over a wide area (e.g., by containment or oil barriers).
- Methods and materials for containment and cleaning up : Soak up with inert absorbent material.
 Sweep up and shovel into suitable containers for disposal.
 Non-sparking tools should be used.

SECTION 7. HANDLING AND STORAGE

- Local/Total ventilation : Use only with adequate ventilation.
- Advice on safe handling : Avoid inhalation of vapor or mist.
 Do not use in areas without adequate ventilation.
 Keep away from fire, sparks and heated surfaces.
 Keep container closed when not in use.
 Take precautionary measures against static discharges.
- Conditions for safe storage : Take measures to prevent the build up of electrostatic charge.
 Use explosion-proof equipment.
 Keep containers tightly closed in a dry, cool and well-ventilated place.
 Keep away from sources of ignition - No smoking.
 Solvent vapors are heavier than air and may spread along floors.
- Materials to avoid : Strong oxidizing agents

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
n-hexane	110-54-3	TWA	50 ppm	ACGIH
		TWA	50 ppm 180 mg/m ³	NIOSH REL
		TWA	500 ppm 1,800 mg/m ³	OSHA Z-1

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		TWA	50 ppm 180 mg/m ³	OSHA P0
		PEL	50 ppm 180 mg/m ³	CAL PEL
Hexane, branched and linear	92112-69-1	TWA	500 ppm 1,800 mg/m ³	OSHA P0
		STEL	1,000 ppm 3,600 mg/m ³	OSHA P0
		TWA	100 ppm 350 mg/m ³	NIOSH REL
		C	510 ppm 1,800 mg/m ³	NIOSH REL
		TWA	200 ppm	ACGIH
		PEL	500 ppm 1,800 mg/m ³	CAL PEL
		STEL	1,000 ppm 3,600 mg/m ³	CAL PEL
methylcyclopentane	96-37-7	TWA	500 ppm	ACGIH
		STEL	1,000 ppm	ACGIH
		TWA	500 ppm 1,800 mg/m ³	OSHA P0
		STEL	1,000 ppm 3,600 mg/m ³	OSHA P0
Rubber, natural	9006-04-6	TWA (Inhalable particulate matter)	0.0001 mg/m ³	ACGIH

Engineering measures : Use local exhaust ventilation or other engineering controls to minimize exposures.

Personal protective equipment

Respiratory protection : Use respiratory protection unless adequate risk management measures (exhaust/ ventilation) are provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Filter type : Organic vapor Type

Hand protection
Material : Solvent-resistant gloves

Eye protection : Safety glasses with side-shields

Hygiene measures : Avoid contact with skin, eyes and clothing.
Provide adequate ventilation.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Odor	: characteristic
Odor Threshold	: no data available
pH	: Not applicable
Melting point/freezing point	: is not determined
Boiling point/boiling range	: is not determined
Evaporation rate	: is not determined
Upper explosion limit	: Upper flammability limit is not determined
Lower explosion limit	: Lower flammability limit is not determined
Vapor pressure	: is not determined
Density	: 0.79 g/cm ³
Solubility(ies)	
Water solubility	: is not determined
Partition coefficient: n- octanol/water	: no data available
Autoignition temperature	: is not determined
Viscosity	
Viscosity, kinematic	: is not determined

SECTION 10. STABILITY AND REACTIVITY

Chemical stability	: The product is chemically stable.
Possibility of hazardous reactions	: Hazardous polymerization does not occur.
Conditions to avoid	: Heat, flames and sparks.
Hazardous decomposition products	: Stable under normal conditions.

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity****Product:**

Acute dermal toxicity	: Acute toxicity estimate : > 5,000 mg/kg Method: Calculation method
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Components:**n-hexane:**

Acute dermal toxicity : LD50 Dermal Rabbit: 3,000 mg/kg

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

STOT-single exposure

No data available

STOT-repeated exposure

No data available

Aspiration toxicity

No data available

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Components:****n-hexane :**Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 2.1 - 2.98 mg/l
Exposure time: 96 h
Test Method: flow-through test**Persistence and degradability**

No data available

Bioaccumulative potential

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Components:**methylcyclopentane :**Partition coefficient: n-
octanol/water : log Pow: 3.37**Mobility in soil**

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues : This product meets the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. It is ignitable waste class D001. Disposal via incineration is recommended. Consult your state, local, or provincial authorities for more restrictive requirements. The hazard and precautionary statements displayed on the label also apply to any residues left in the container.

SECTION 14. TRANSPORT INFORMATION**International Regulations****IATA-DGR**

UN/ID No. : UN 1133
Proper shipping name : Adhesives
Class : 3
Packing group : II
Labels : Flammable Liquids
Packing instruction (cargo
aircraft) : 364
Packing instruction
(passenger aircraft) : 353

IMDG-Code

UN number : UN 1133
Proper shipping name : ADHESIVES

Class : 3
Packing group : II
Labels : 3
EmS Code : F-E, S-D
Marine pollutant : no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

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Domestic regulation**49 CFR**

UN/ID/NA number : UN 1133
Proper shipping name : Adhesives

Class : 3
Packing group : II
Labels : FLAMMABLE LIQUID
ERG Code : 128
Marine pollutant : no

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

SECTION 15. REGULATORY INFORMATION

SARA 311/312 Hazards : Flammable (gases, aerosols, liquids, or solids)
Respiratory or skin sensitization
Reproductive toxicity
Specific target organ toxicity (single or repeated exposure)
Aspiration hazard
Skin corrosion or irritation

SARA 302 : This material does not contain any components with a section 302 EHS TPQ.

SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:

n-hexane 110-54-3

Clean Air Act

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 112 (40 CFR 61):

n-hexane 110-54-3

US State Regulations

California Prop 65 Please contact Supplier for more information.

The ingredients of this product are reported in the following inventories:

AIIC On the inventory, or in compliance with the inventory

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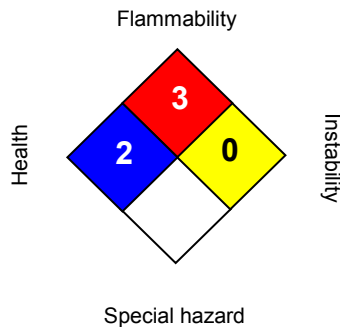
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KECI On the inventory, or in compliance with the inventory
 Please reach out to H.B. Fuller for further information regarding chemical inventories not listed above. **Inventories Legend** TSCA (USA), DSL (Canada), REACH(Europe), AIIIC (Australia), NZIoC (New Zealand), ENCS (Japan), KECI (Korea), PICCS (Philippines), IECSC (China), TWINV (Taiwan)

SECTION 16. OTHER INFORMATION

Prepared by: Global Regulatory Office - phone: 1-651-236-5842 - email: msds.request@hbfuller.com

Further information
NFPA:

HMIS III:

HEALTH	3*
FLAMMABILITY	3
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
 2 = Moderate, 3 = High
 4 = Extreme, * = Chronic

The information and recommendations set forth herein are believed to be accurate. Because some of the information is derived from information provided to the H.B. Fuller Company from its suppliers, and because the H.B. Fuller Company has no control over the conditions of handling and use, the H.B. Fuller Company makes no warranty, expressed or implied, regarding the accuracy of the data or the results to be obtained from the use thereof. The information is supplied solely for your information and consideration, and the H.B. Fuller Company assumes no responsibility for use or reliance thereon. It is the responsibility of the user of H.B. Fuller Company products to comply with all applicable federal, state and local laws and regulations.



ROYAL

ADHESIVES & SEALANTS, LLC

Aerospace & Marine Inflatable Adhesives & Coatings Division

PS 6681M6 CATTLE TAG (BACKTAG) CEMENT PRODUCT INFORMATION

PS6681M6 is a fast drying, water resistant solvent based aggressive pressure sensitive adhesive designed for use in cattle and swine back tag applications. Its bonding effectiveness extends across a wide temperature range between extremely cold (below zero degrees F) and hot (above 100 degrees F) ambient temperatures and wet and dry animal surfaces. The adhesive is compatible with paper, PE coated paper, and rubber impregnated label stocks.

During the application process, a generous amount of “Back Tag Cement” should be applied to the outer area of the back of the label and then it should be adhered to the animal. The nature of the product is such where it will hold the applied back tag in place after application to the animal and it will provide sufficient adhesion that will prevent the loss of tags from the cattle or swine for a minimum of 14 days.

PS6681M6, which is provided in tubes, pints and quarts, is to be applied to the paper stock and then applied to the animal.

PS6681M6 is Mercaptan free and does not adversely affect animal hides.

SPECIFICATIONS

POLYMER BASE: Natural Rubber	COLOR: Dark Amber	WEIGHT PER GAL: 6.9 +/- 0.3#/gal
EFFECT OF FREEZING: Reversible gel	STORAGE LIFE: 24mos	
SOLVENT DILUTION: Hexane	SOLVENT CLEAN UP: Hexane, Heptane, VM&P Naphtha	
SOLIDS: 55%+/- 4%	VISCOSITY: 40,000 – 90,000 cps Brookfield RVT/#7/20RPM/78F	

The results listed are based on tests run under controlled lab conditions. Since the ultimate use is beyond our control, these results are not guaranteed. Pre-testing should be conducted to confirm the application procedure using the actual substrates under true field conditions to ensure results are acceptable for the end use.

11/18/15