SAFETY DATA SHEET

H.B. Fuller® SC-1022

Version 1.1 Revision Date 12/11/2015

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: H.B. Fuller® SC-1022
Product code: 100000003043

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
Color: tan
Odor: solvent

GHS Classification
Flammable liquids: Category 2
Skin irritation: Category 2
Eye irritation: Category 2A
Skin sensitization: Category 1
Carcinogenicity: Category 1A
Reproductive toxicity: Category 2
Specific target organ systemic toxicity - single exposure: Category 3 (Central nervous system)
Specific target organ systemic toxicity - repeated exposure: Category 2
Aspiration hazard: Category 1

GHS Label element
Hazard pictograms: ⬇️ ⬅️ ⬇️
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. H336 May cause drowsiness or dizziness. H350 May cause cancer. H361 Suspected of damaging fertility or the unborn child. H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary Statements:
Response: P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician. P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 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. P337 + P313 If eye irritation persists: Get medical advice/ attention. 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.
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 ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Concentration [%]</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-hexane</td>
<td>110-54-3</td>
<td>30 - 50</td>
</tr>
<tr>
<td>acetone</td>
<td>67-64-1</td>
<td>20 - 30</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET

H.B. Fuller® SC-1022

Version 1.1

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.

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.

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
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/PERSOAL PROTECTION

Ingredients with workplace control parameters

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters / Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-hexane</td>
<td>110-54-3</td>
<td>TWA 50 ppm</td>
<td>ACGIH</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA 500 ppm 1,800 mg/m3</td>
<td>OSHA Z-1</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA 50 ppm 180 mg/m3</td>
<td>OSHA P0</td>
<td></td>
</tr>
<tr>
<td>acetone</td>
<td>67-64-1</td>
<td>TWA 500 ppm</td>
<td>ACGIH</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL 750 ppm</td>
<td>ACGIH</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA 1,000 ppm 2,400 mg/m3</td>
<td>OSHA Z-1</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA 750 ppm 1,800 mg/m3</td>
<td>OSHA P0</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL 1,000 ppm 2,400 mg/m3</td>
<td>OSHA P0</td>
<td></td>
</tr>
<tr>
<td>toluene</td>
<td>108-88-3</td>
<td>TWA 20 ppm</td>
<td>ACGIH</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA 200 ppm</td>
<td>OSHA Z-2</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>CEIL 300 ppm</td>
<td>OSHA Z-2</td>
<td></td>
</tr>
</tbody>
</table>
## SAFETY DATA SHEET

### H.B. Fuller® SC-1022

<table>
<thead>
<tr>
<th>Compound</th>
<th>Peak</th>
<th>TWA</th>
<th>STEL</th>
<th>OSHA TWA</th>
<th>STEL TWA</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-methylpentane 96-14-0</td>
<td>500 ppm</td>
<td>100 ppm</td>
<td>150 ppm</td>
<td>375 mg/m³</td>
<td>560 mg/m³</td>
</tr>
<tr>
<td>2-methylpentane 107-83-5</td>
<td>500 ppm</td>
<td>100 ppm</td>
<td>1,000 ppm</td>
<td>1,800 mg/m³</td>
<td>3,600 mg/m³</td>
</tr>
<tr>
<td>2-propan-2-ol 67-63-0</td>
<td>500 ppm</td>
<td>200 ppm</td>
<td>400 ppm</td>
<td>980 mg/m³</td>
<td>1,225 mg/m³</td>
</tr>
</tbody>
</table>

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

### Personal protective equipment

#### Respiratory protection
- Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

#### Filter type
- Organic vapor Type

#### Hand protection
- Material: Nitrile rubber

#### Eye protection
- Safety glasses with side-shields

#### Hygiene measures
- Avoid contact with skin, eyes and clothing. Provide adequate ventilation.
SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance**: liquid
- **Color**: tan
- **Odor**: solvent
- **Odor Threshold**: No data available
- **Melting point/freezing point**: not determined
- **Boiling point/boiling range**: not determined
- **Flash point**: 0 °F
- **Evaporation rate**: not determined
- **Upper explosion limit**: upper flammability limit not determined
- **Lower explosion limit**: lower flammability limit not determined
- **Density**: 6.7 lb/gal
- **Solubility(ies)**: not determined
- **Water solubility**: not determined
- **Partition coefficient: n-octanol/water**: No data available
- **Autoignition temperature**: not determined
- **Viscosity**: not determined
- **Viscosity, kinematic**: not determined
- **Solid Content, % by weight**: 21

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 oral toxicity**: Acute toxicity estimate: 4,388 mg/kg
  Method: Calculation method
- **Acute dermal toxicity**: Acute toxicity estimate: > 5,000 mg/kg
**SAFETY DATA SHEET**

**H.B. Fuller® SC-1022**

**Ingredients:**

**n-hexane:**
- Acute inhalation toxicity: LC50 rat: 48000 ppm
  Exposure time: 4 h
- Acute dermal toxicity: LD50 Dermal rabbit: 3,000 mg/kg

**toluene:**
- Acute oral toxicity: LD50 Oral rat: 636 mg/kg
- Acute inhalation toxicity: LC50 rat: 12.5 mg/l
  Exposure time: 4 h

**propan-2-ol:**
- Acute oral toxicity: LD50 Oral rat: 4,396 mg/kg
- Acute inhalation toxicity: LC50 rat: 16000 ppm
  Exposure time: 4 h

**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

**Ingredients:**

**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

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 1,000 mg/l
Exposure time: 24 h
Test Method: static test

**acetone :**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 4,740 - 6,330 mg/l
Exposure time: 96 h
Test Method: static test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 10,294 - 17,704 mg/l
Exposure time: 48 h
Test Method: static test

**toluene :**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 5.8 mg/l
Exposure time: 96 h
Test Method: semi-static test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 5.46 - 9.83 mg/l
Exposure time: 48 h
Test Method: static test

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata): 12.5 mg/l
Exposure time: 72 h
Test Type: static test

**propan-2-ol :**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 9,640 mg/l
Exposure time: 96 h
Test Method: flow-through test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 13,299 mg/l
Exposure time: 48 h
Test Method: static test

Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): > 1,000 mg/l
Exposure time: 96 h
Test Type: flow-through test
Rosin:
Toxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia magna (Water flea)): 3.8 - 5.4 mg/l
Exposure time: 48 h
Test Method: static test

Persistence and degradability
No data available

Bioaccumulative potential

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

Special precautions for user
Not applicable

Domestic regulation

49 CFR
UN/ID/NA number: 1133
Proper shipping name: Adhesives
Class: 3
Packing group: II
Labels: 3
ERG Code: 128
Marine pollutant: no

International Regulation

IATA-DGR
UN/ID No.: 1133
Proper shipping name: Adhesives
SAFETY DATA SHEET

H.B. Fuller® SC-1022

Version 1.1

Print Date 02/04/2016
Page 10 of 12

Class : 3
Packing group : II
Labels : 3
Packing instruction (cargo aircraft) : 364
Packing instruction (passenger aircraft) : 353

IMDG-Code
UN number : 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.

SECTION 15. REGULATORY INFORMATION

SARA 311/312 Hazards : Fire Hazard
Acute Health Hazard
Chronic Health Hazard

SARA 302 : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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

toluene 108-88-3
propan-2-ol 67-63-0
n-hexane 110-54-3

Clean Air Act

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):
n-hexane 110-54-3
toluene 108-88-3

US State Regulations

California Prop 65 WARNING: This product contains a chemical known in the State of California to cause birth defects or other reproductive harm.
SAFETY DATA SHEET

H.B. Fuller® SC-1022

Version 1.1 Revision Date 12/11/2015

toluene 108-88-3

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

- TSCA: On TSCA Inventory
- DSL: All components of this product are on the Canadian DSL.
- REACH: Not in compliance with the inventory
- AICS: On the inventory, or in compliance with the inventory
- NZIoC: Not in compliance with the inventory
- ENCS: Not in compliance with the inventory
- KECI: Not in compliance with the inventory
- PICCS: Not in compliance with the inventory
- IECSC: On the inventory, or in compliance with the inventory
- TWINV: Not in compliance with the inventory

Inventories Legend: TSCA (USA), DSL (Canada), REACH (Europe), AICS (Australia), NZIoC (New Zealand), ENCS (Japan), KECI (Korea), PICCS (Philippines), IECSC (China), TWINV (Taiwan)

SECTION 16. OTHER INFORMATION

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

Further information

**NFPA:**

- Flammability:
  - 2 = Moderate
  - 3 = High
  - 0 = Not Significant

- Health:
  - 2 = Moderate
  - 3 = High
  - 0 = Not Significant

- Instability:
  - 2 = Moderate
  - 3 = High
  - 0 = Not Significant

**HMIS III:**

- HEALTH: 2*
- 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.