



# HALLMARK 7106 Natural

## Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

Date of issue: 1/10/17

Revision date: N/A

Version: 1.0

### SECTION 1: Identification

#### 1.1. Product Identifier

Product name : Hallmark 7106 Natural

#### 1.2. Relevant Identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Adhesive

#### 1.3. Details of the supplier of the safety data sheet

Halltech Inc.  
465 Coronation Drive  
Scarborough ON, M1E 2K2 - Canada  
T 416-284-6111

#### 1.4. Emergency telephone number

Emergency number : CANUTEC 1 (888) 226-8832 (24 hr) or cellular (Canada only) \*666

### SECTION 2: Hazards Identification

#### 2.1. Classification of the substance or mixture

Target Organs : Kidney, liver, reproductive, central nervous system, eyes, skin

GHS classification : Flammable Liquids (Cat. 2)  
Skin Irritation (Cat. 2)  
Eye Irritation (Cat. 2)  
Skin Sensitizer (Cat. 1)  
Reproductive Toxicity (Cat. 2)  
Specific Target Organ Toxicity- Single Exposure (Cat. 3) - Central Nervous System  
Specific Target Organ Toxicity - Repeated Exposure (Cat. 2) - Liver, kidney, nervous system  
Aspiration Hazard (Cat. 1)

#### 2.2. Label elements

GHS labeling



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Hazard pictograms (GHS)

:



Signal word (GHS)

: Danger

Hazard statements (GHS)

: H225: Highly flammable liquid and vapour  
H315: Causes skin irritation  
H319: Causes serious eye irritation  
H317: May cause an allergic skin reaction  
H361: Suspected of damaging fertility or the unborn child  
H336: May cause drowsiness or dizziness  
H373: May cause damage to organs through prolonged or repeated exposure  
H304: May be fatal if swallowed and enters airways

Precautionary Statements (GHS)

: 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  
P280: Wear protective gloves/protective clothing/eye protection/face protection  
P272: Contaminated work clothing should not be allowed out of the workplace  
P362+364: Take off contaminated clothing and wash it before reuse  
P264: Wash skin thoroughly after handling  
P260: Do not breathe dust/fume/gas/mist/vapours/spray  
P202: Do not handle until all safety precautions have been read and understood  
P302+352: IF ON SKIN: Wash with soap and water  
P333+313: If skin irritation or a rash occurs: Get medical advice/attention  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing  
P337+313: If eye irritation persists get medical advice/attention  
P308+313: IF exposed or concerned: Get medical advice/attention  
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
P314: Get Medical advice/attention if you feel unwell  
P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
P331: Do NOT induce vomiting



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P403+235: Store in a well ventilated place. Keep cool

P405: Store locked up

P370+378: In case of fire: Use foam, water fog, dry chemical and/or carbon dioxide to extinguish

P501: Dispose of contents/container to comply with local, provincial, state, and federal regulations.

### 2.3. Other hazards

No additional information available.

## SECTION 3: Composition/Information on ingredients

### 3.1. Substance

Not applicable.

### 3.2. Mixture

Unlisted ingredients are not 'hazardous' as per the Occupational Safety and Health Administration Hazard Communication Standard (29 CFR 1910.1200) and/or are not found on the Canadian Workplace Hazardous Materials Information System ingredient disclosure list. See Section 8 for exposure limit guidelines.

Components	CAS No.	% by weight
Acetone	67-64-1	28-32
Hexane	110-54-3	10-16
Toluene	108-88-3	21-24
2- butylphenol Formaldehyde	91673-30-2	3.41
Rosin	8050-09-7	0.35-0.67

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation : This product is (extremely) flammable. Take proper precautions (e.g. remove any sources of ignition). Take proper precautions to ensure your own safety before attempting rescue (e.g. wear appropriate protective equipment, use the buddy system). If breathing is stopped, trained personnel should begin artificial respiration (AR) or, if the heart has stopped, immediately start cardiopulmonary resuscitation (CPR) or automated external defibrillation (AED). Avoid mouth-to-mouth contact by using



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	mouth guard or shields. Quickly transport victim to an emergency care facility.
First-aid measures after skin contact	: Remove contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Quickly and gently, blot or brush away excess chemical. Wash gently and thoroughly with lukewarm gently flowing water and non-abrasive soap for 5 minutes. If irritation persists, repeat flushing. Obtain medical advice. Completely decontaminate clothing, shoes and leather goods before reuse or discard.
First-aid measures after eye contact	: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. If a contact lens is present, do not delay irrigation or attempt to remove the lens. Take care not to rinse contaminated water into the unaffected eye or onto the face. Immediately obtain medical attention.
First-aid measures after ingestion	: Never give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Have victim rinse mouth thoroughly with water. Do not induce vomiting. Have victim drink 60-240 mL (2-8 oz.) of water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Have victim rinse mouth with water again. Immediately obtain medical attention.

### 4.2. Indication of any immediate medical attention and special treatment needed

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible). Treatment should be based on sound judgement of physician and individual reactions of patient.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Dry chemical; carbon dioxide; foam; water as a fog only if necessary.
Hazardous Combustion Products	: Carbon monoxide and/or carbon dioxide. Hydrocarbons, hydrogen chloride, phenolic vapours, aldehydes, fumes and smoke.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: Vapours from this product are heavier than air and may travel to a source of ignition and flash back causing explosion and fire. Never use welding or cutting torch on, or near drum (even empty) as product (even residue) can ignite explosively. All containers, including pails, drums, tank cars & trucks should be grounded and/or bonded when material is transferred.
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When using this product it is important that the gas at main leading to the premises must be shut off. All other ignition sources must be completely eliminated. In reference to the Ontario Fire Code Section 4.1.5.9(1), states that this product shall not be stored, handled or used in basements or pits.

### 5.3. Advice for firefighters

Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Use personal protection recommended in Section 8. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations.

### 6.2. Methods and material for containment and cleaning up

For containment : Prevent further leakage or spillage if safe to do so. Dyke and contain spills. Do not let product enter drains. Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for cleaning up : Contain and/or dyke spills. Absorb with inert material, place in a suitable container. Report and dispose of according to local regulations.

### 6.3. Reference to other sections

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Use in a well ventilated area. Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use explosion-proof tools,



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### Hygiene measures

- equipment, and ventilation system. Keep away from sources of ignition. Take measures to prevent the build-up of electrostatic charge. Always ground and bond containers.
- : Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

## 7.2. Conditions for safe storage, including any incompatibilities

### Storage conditions

- : Keep container tightly closed in a dry and well-ventilated area. Containers which are opened must be carefully resealed and kept upright to prevent leakage and evaporation.

## 7.3. Specific end use(s)

Not available.

# SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

**Threshold Limit Value:** 20 ppm ACGIH est. (Toluene)

## 8.2. Exposure Controls

### Appropriate engineering controls

- : Use local, mechanical, explosion proof exhaust and/or ventilation system to avoid exposure and vapour accumulation.

### Hand protection

- : Handle with gloves to minimize skin contact. Inspect gloves prior to use. Use proper glove removal technique (without touching the glove's outer surface) to avoid skin contact with product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash hands thoroughly.

### Eye Protection

- : Safety glasses and/or face shield. Use equipment for eye protection tested and approved under the appropriate government standards.

### Skin and body protection

- : Impervious clothing, flame retardant, antistatic protective clothing. The type of protective equipment should be selected according to the concentration and amount of hazardous materials at each specific workplace.



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Respiratory protection	: Where risk assessment shows air-purifying respirators are appropriate, use an approved respirator for the concentration and type of hazardous materials in the workplace. Use respirators and components tested and approved under the appropriate government standards. Use respirators as backup to engineering controls if necessary.
Environmental exposure controls	: Maintain levels below Community environmental protection thresholds.
Other information	: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance/Odour	: Natural with solvent odour
Odour Threshold	: Not available
Viscosity	: 900-1100 CPS
Vapour Density (AIR=1)	: Heavier than air
Boiling Point	: 56°C est. (Acetone)
Melting/Freezing Point	: Not available
Vapour Pressure	: Not available
Evaporation Rate	: Faster than butyl acetate
Specific Gravity	: 0.845
Solubility in Water	: Not soluble
Solids	: 22.0 +/- 0.1%
Flashpoint	: -25.99°C T.C.C. est. (Hexane)
Autoignition Temp	: 234°C est. (Hexane)
Upper Flammable Limit	: 13% est. (Acetone)
Lower Flammable Limit	: 1.2% est. (Toluene)

### 9.2. Other information

No additional information available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity



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No dangerous reaction known under conditions of normal use.

### 10.2. Chemical stability

Stable, except under fire conditions

### 10.3. Possibility of hazardous reactions

No data available

### 10.4. Conditions to avoid

Heat, flames and sparks.

### 10.5. Incompatible materials

Strong oxidizing agents. Strong acids and bases, reducing agents, phosphorous oxychloride, magnesium, hydrogen fluoride, aluminum, zinc chloride, amines, halogens, alkalies.

### 10.6. Hazardous decomposition products

Carbon dioxide, carbon monoxide and unidentified organic compounds. Hydrogen chloride, organic acids, aldehydes, formaldehyde, phenolic derivatives and vapours and hydrocarbons.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified.

Hazardous Ingredient	LD50	LC50	HRS
Acetone	5800 mg/kg	3000 ppm	4
Toluene	>5580 mg/kg	12500-28800 mg/m3	4
Hexane	28700 mg/kg	48000 ppm	4
2- butylphenol Formaldehyde	not available	not available	-
Rosin	7600 mg/kg	not available	-

Skin corrosion/irritation : Rabbit - skin irritation - 24 hour  
Serious eye damage/irritation : Rabbit - eye irritation - 24H  
Respiratory or skin sensitization : Classified as a skin sensitizer.  
Germ cell mutagenicity : Not expected to be mutagenic in humans.





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Carcinogenicity	: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity	: Excessive exposure during pregnancy may be hazardous to the developing fetus. Experiments have shown reproductive toxicity effects in male and female lab animals.
Teratogenicity	: May cause teratogenic/embryo toxic effects at high doses.
Specific target organ toxicity (single exposure)	: May cause central nervous system depression.
Specific target organ toxicity (repeated exposure)	: May cause liver and/or kidney effects. May cause nervous system effects.
Aspiration hazard	: Classified as an aspiration hazard.
Symptoms/injuries after inhalation	: Vapours are moderately irritating to the respiratory passages; prolonged exposure to high vapour concentration may cause headache, dizziness, nausea, blurred vision and central nervous system depression.
Symptoms/injuries after skin contact	: Prolonged and repeated contact can cause defatting and drying of the skin resulting in irritation and dermatitis. May cause allergic skin reaction.
Symptoms/injuries after eye contact	: Irritant on contact. Symptoms include stinging, tearing, redness, and swelling of eyes.
Symptoms/injuries after ingestion	: May cause gastrointestinal irritation, nausea, vomiting, diarrhea, headache, dizziness, fatigue, and central nervous system depression. Liquid aspirated into the lungs can cause chemical pneumonitis.
Signs and Symptoms of Exposure	: Can cause central nervous system effects, including dizziness, weakness, fatigue, nausea, headache, blurred vision and possible unconsciousness.
Additional information	: May cause drowsiness and dizziness. May cause irritation to skin. May be irritating to eyes. May cause lung damage if swallowed. Possibility of organ damage from prolonged exposure.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: May cause long-term adverse effects in the aquatic environment. Prevent from entering drains, sewers, streams or other bodies of water. If runoff occurs, notify authorities as required.
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### 12.2. Persistence and degradability



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Persistence and degradability	Not established.
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### 12.3. Bioaccumulative potential

### HM 7106 Natural

Bioaccumulative potential	Not established.
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### 12.4. Mobility in soil

No additional information available.

### 12.5. Other adverse effects

Effect on the global warming : May be toxic to aquatic life with potentially long lasting effects.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations	: Collect and reclaim or dispose in sealed containers at a licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Dispose of in accordance with all applicable regulations.
Contaminated Packaging	: Empty containers should be taken to an approved waste handling site for recycling or disposal. Since empty containers may retain product residue, follow any label warnings even after container is emptied.

## SECTION 14: Transport information

Department of Transportation (DOT) and Transportation of Dangerous Goods (TDG)

TDG Classification (Ground Only)	: CLASS 3 UN1133 II
Proper Shipping Name (Ground Only)	: Adhesives

Special transport precautions	: Do not handle until all safety precautions have been read and understood.
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A scientific determination was concluded based on formulation of ingredients on January 20, 2017 to define the Transportation of Dangerous Goods Classifications.

### SECTION 15: Regulatory information

This material is included on the DLS (Canadian Domestic Substance List) under the CEPA (Canadian Environmental Protection Act).

This material has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

This material meets TSCA (Toxic Substances Control Act) inventory requirements.

Contents of this SDS comply with the OSHA Hazard Communication Standard 29CFR 1910.1200

### SECTION 16: Other information

Date of issue	: January 2017
Revision date	: February 2017
Other information	: None

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N/AP = Not Applicable