

**CONTENTS**

**SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER..... 2**

**SECTION 2 - HAZARDS IDENTIFICATION..... 2**

**SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS..... 3**

**SECTION 4 - FIRST AID MEASURES..... 3**

**SECTION 5 - FIRE FIGHTING MEASURES..... 4**

**SECTION 6 - ACCIDENTAL RELEASE MEASURES..... 4**

**SECTION 7 - HANDLING AND STORAGE..... 4**

**SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION..... 5**

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES..... 6**

**SECTION 10 - STABILITY AND REACTIVITY..... 7**

**SECTION 11 - TOXICOLOGICAL INFORMATION..... 7**

**SECTION 12 - ECOLOGICAL INFORMATION..... 8**

**SECTION 13 - DISPOSAL CONSIDERATIONS..... 8**

**SECTION 14 - TRANSPORT INFORMATION..... 9**

**SECTION 15 - REGULATORY INFORMATION..... 9**

**SECTION 16 - OTHER INFORMATION..... 9**

**SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER****GHS PRODUCT IDENTIFIER****TRADE NAME****OTHER MEANS OF IDENTIFICATION****PRODUCT USE****Top Coat Quick-Dry**

Hawley HYPER-DRY

Not Available

Coating for various substrates exhibiting super hydrophobic characteristics

**SUPPLIER DETAILS**

- Address
- ABN
- Contact No.
- Email
- Website

**Hawley International Pty Ltd**

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**AU EMERGENCY CONTACT***(24/7 within Australia)***000** or **13 11 26** (NSW Poisons Information Centre)**NZ EMERGENCY CONTACT***(24/7 within New Zealand)***0800 POISON (0800 764 766)****SECTION 2 - HAZARDS IDENTIFICATION****GHS CLASSIFICATIONS**

Flammable liquids (Category 2), H225

Combustible dust

Acute toxicity, Oral (Category 4), H302

Skin irritation (Category 2), H315

Eye irritation (Category 2A), H319

Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335

Specific target organ toxicity - single exposure (Category 3), Central nervous system, H336

Acute aquatic toxicity (Category 3), H402

Chronic aquatic toxicity (Category 3), H412

**GHS LABEL****SIGNAL WORD: DANGER****Hazard statement(s)**

H225 Highly flammable liquid and vapour

May form combustible dust concentrations in air

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

**Precautionary statement(s)**

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.

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P264 Wash skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P280 Wear protective gloves/ eye protection/ face protection.

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

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

P304 + P340 + P312 IF INHALED: Remove victim to fresh air and keep at rest in a position 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.

P312 Call a POISON CENTER or doctor/ physician if you feel unwell.

P332 + P313 If skin irritation occurs: Get medical advice/ attention

P337 + P313 If eye irritation persists: Get medical advice/ attention.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

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.

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

**Hazards not otherwise classified (HNOC) or not covered by GHS**

Repeated exposure may cause skin dryness or cracking.

## SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Vol. %	CAS
Ethyl Acetate	141-78-6	35-45
Butyl Acetate	123-86-4	20-30
Isopropyl Alcohol	67-63-0	15-25
Nitrocellulose	9004-70-0	0-5
Camphor	76-22-0	0.1-2

## SECTION 4 - FIRST AID MEASURES

**4.1 Description of first aid measures**

**General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In case of skin contact**

Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

**If swallowed**

Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

**4.2 Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

**4.3 Indication of any immediate medical attention and special treatment needed**

no data available

**SECTION 5 - FIRE FIGHTING MEASURES****5.1 Extinguishing media****Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**5.2 Special hazards arising from the substance or mixture**

Carbon oxides, nitrogen oxides

**5.3 Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

**5.4 Further information**

Use water spray to cool unopened containers.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. 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. Vapours can accumulate in low areas.

For personal protection see section 8.

**6.2 Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**6.3 Methods and materials for containment and cleaning up**

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

**SECTION 7 - HANDLING AND STORAGE****7.1 Precautions for safe handling**

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge.

**7.2 Conditions for safe storage, including any incompatibilities**

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

Storage class (TRGS 510): Flammable liquids

Handle and store under inert gas. Hygroscopic

Light sensitive.

**7.3 Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control parameters**

**Exposure limits**

Component	CAS-No.	Value	Control parameters	Basis
Ethyl acetate	141-78-6	TWA	400.000000 ppm	USA. ACGIH Threshold Limit Values (TLV)
	Remarks	Upper Respiratory Tract irritation Eye irritation		
		TWA	400.000000 ppm 1,400.000000 mg/m3	USA. NIOSH Recommended Exposure Limits
		TWA	400.000000 ppm 1,400.000000 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
		The value in mg/m3 is approximate		
n-Butyl acetate	123-86-4	TWA	150 ppm	USA. ACGIH Threshold Limit Values (TLV)
	Remarks	Eye & Upper Respiratory Tract irritation		
		STEL	STEL	USA. ACGIH Threshold Limit Values (TLV)
		Eye & Upper Respiratory Tract irritation		
		TWA	150 ppm 710 mg/m3	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
		STEL	200 ppm 950 mg/m3	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
		TWA	150 ppm 710 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
		The value in mg/m3 is approximate.		
		TWA	150 ppm 710 mg/m3	USA. NIOSH Recommended Exposure Limits
		ST	200 ppm 950 mg/m3	USA. NIOSH Recommended Exposure Limits
Isopropyl alcohol	67-63-0	TWA	200 ppm	USA. ACGIH Threshold Limit Values (TLV)
	Remarks	Eye & Upper Respiratory Tract irritation Central Nervous System impairment		
		STEL	400 ppm	USA. ACGIH Threshold Limit Values (TLV)
		Eye & Upper Respiratory Tract irritation Central Nervous System impairment Not classifiable as a human carcinogen		
		TWA	400 ppm 980 mg/m3	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
		STEL	500 ppm 1,225 mg/m3	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
		TWA	400 ppm 980 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
		The value in mg/m3 is approximate.		
		TWA	400 ppm 980 mg/m3	USA. NIOSH Recommended Exposure Limits
		ST	500 ppm 1,225 mg/m3	USA. NIOSH Recommended Exposure Limits

Bornan-2-one	76-22-2	TWA	2 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
		TWA		USA. ACGIH Threshold Limit Values (TLV)
				USA. ACGIH Threshold Limit Values (TLV)
		Upper Respiratory Tract irritation Eye irritation Anosmia Not classifiable as a human carcinogen		
		TWA	2 mg/m3	USA. NIOSH Recommended Exposure Limits
		TWA	2 mg/m3	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000

Biological occupational exposure limits

Component	CAS-No.	Parameters	Value	Biological Basis	Basis
Isopropyl alcohol	67-63-0	Acetone	40 mg/l	Urine	ACGIH - Biological Exposure Indices (BEI)
	remarks	End of shift at end of workweek			

**Exposure controls**

**Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday

**Personal protective equipment**

**Eye/face protection**

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Body Protection**

Impervious clothing, Flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace

**Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN14287) respirator cartridges as a backup to engineering controls if the respirator is the sole means of protection, use a fullface supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH or CEN

**Control of environmental exposure**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** liquid

**Odor:** alcohol-like

**Odor threshold:** no data available

**pH:** no data available

**Melting point/freezing point:** no data available

**Initial boiling point and boiling range:** 171-228°F

**Flash point:** 7.2°C (closed cup)

**Evaporation rate:** Slower than ether

**Flammability:** no data available

**Upper/lower flammability or explosive limits:** upper – 9.0; lower – 1.0

**Vapor pressure:** 35-42mHg) @ 20 °C

**Vapor density:** 3.2-3.6

**Relative density:** no data available  
**Solubility:** 10% in water  
**Partition coefficient: n-octanol/water:** no data available  
**Auto-ignition temperature:** no data available  
**Decomposition temperature:** no data available  
**Viscosity:** no data available

## SECTION 10 - STABILITY AND REACTIVITY

**Reactivity**

No data available

**10.2 Chemical stability**

Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions**

Vapors may form explosive mixture with air.

**10.4 Conditions to avoid**

Heat, flames and sparks. Extremes of temperature and direct sunlight.

**10.5 Incompatible materials**

Strong oxidizing agents, Strong bases, Aluminum, Halogenated compounds, Acid anhydrides, Strong Reducing agents

**10.6 Hazardous decomposition products**

No data available

In the event of fire: see section 5

## SECTION 11 - TOXICOLOGICAL INFORMATION

**Acute toxicity:**

Substance/Ingredient	Test results	Species
Ethyl Acetate	LD50 Oral - 5,620 mg/kg LC50 Inhalation - 45,000 mg/m3 LD50 Dermal - 18,000 mg/kg	rat Mouse rabbit
Butyl Acetate	LD50 Oral - 10,700 - 14,130 mg/kg LC50 Inhalation - 4 h - > 21.0 mg/l LD50 Dermal - 17,600 mg/kg	Rat Rat Rabbit
Isopropyl Alcohol	LD50 Oral - 5,045 mg/kg LC50 Inhalation – 8h - 16000 ppm LD50 Dermal - 12,800 mg/kg	Rat Rat Rabbit
Camphor	LD 50 Oral- 1310 mg/kg	Mouse
Nitrocellulose	No data available	No data available

Substance/Ingredient	Skin corrosion/irritation	Eye damage/irritation	Respiration sensitization	Skin sensitization
Ethyl Acetate	May cause skin irritation and/or dermatitis	No data available	No data available	No data available
Butyl Acetate	No skin irritation – 4h-rabbit (OECD Test guideline 404)	No eye irritation – 4h – rabbit (OECD test guideline 405)	No data available	No data available
Isopropyl Alcohol	Mild skin irritation – rabbit	Eye irritation – 24h – rabbit	No data available	No data available
Camphor	No data available	No data available	No data available	No data available
Nitrocellulose	No data available	No data available	No data available	No data available

**Description of the delayed, immediate, or chronic effects from short and long term exposure**

**Specific target organ toxicity – single exposure**

Inhalation, oral - May cause drowsiness or dizziness.

Inhalation - May cause respiratory irritation.

**Specific target organ toxicity – repeated exposure**

no data available

### Chronic health effects

Substance/Ingredient	Germ Cell mutagenicity	Carcinogenicity	Reproductive toxicity
Ethyl Acetate	No data available	No known significant effects	Not available
Butyl Acetate	No data available	No known significant effects	Not available
Isopropyl Alcohol	No data available	No known significant effects	Not available
Camphor	Sister chromatid exchange	No known significant effects	Not available
Nitrocellulose	No data available	No known significant effects	Not available

### Aspiration hazard

no data available

## SECTION 12 - ECOLOGICAL INFORMATION

### Toxicity

Substance/Ingredient	Test	Species	Exposure
Ethyl Acetate	LC50 - 350.00 - 600.00 mg/l	Oncorhynchus mykiss	96 h
	EC50 - 2300-3090 mg/l	Daphnia magna	24 h
	LC50 - 560 mg/l	Daphnia magna	48 h
	LC50 - 220-250 mg/l	Pimephales promelas	96 h
	EC50 - 4300 mg/l	Algae	24h
	EC50 - 1800 - 3200 mg/l	Selenastrum	72h
Butyl Acetate	LC50 - 100 mg/l	Lepomis macrochirus	96h
	EC50 - 72.8-205.0 mg/l	Daphnia magna	24h
	EC50 - 44 mg/l	Daphnia	48h
	EC50 - 674.7 mg/l	Desmodesmus subspicatus	72h
Isopropyl Alcohol	LC50 - 9640 mg/l	Pimephales promelas	96h
	EC50 - 5102 mg/l	Daphnia magna	24h
	EC50 - 2000 mg/l	Desmodesmus subspicatus	72h
	EC50 - 1000 mg/l	Algae	24h
Camphor	110 mg/l	Pimephales promelas	96h
Nitrocellulose	n/a	n/a	n/a

### Persistence and degradability

Substance/Ingredient	Persistence/degradable
Ethyl Acetate	79% readily biodegradable
Butyl Acetate	n/a
Isopropyl Alcohol	n/a
Camphor	Expected to be biodegradable
Nitrocellulose	n/a

### Bioaccumulative potential

Ethyl Acetate - BCF: 30

### Mobility in soil

n/a

### PBT and vPVB assessment

n/a

### Other adverse effects

Butyl Acetate - harmful to aquatic life

## SECTION 13 - DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.



**SECTION 14 - TRANSPORT INFORMATION****DOT (DEPARTMENT OF TRANSPORTATION)****PROPER SHIPPING NAME:** Paint**PRIMARY HAZARD CLASS/DIVISION:** 3**UN/NA NUMBER:** 1263**PACKING GROUP:** II**REPORTABLE QUANTITY (RQ) UNDER CERCLA:****LABEL:** Flammable**SECTION 15 - REGULATORY INFORMATION****SARA 302 Components**

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

**SARA 313 Components**

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards**

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

**Massachusetts Right To Know Components**

Ethyl Acetate, n-butyl acetate, 2-propanol, Bornan-2-one, Cellulose nitrate

**Pennsylvania Right To Know Components**

Ethyl Acetate, n-butyl acetate, 2-propanol, Bornan-2-one, Cellulose nitrate

**New Jersey Right To Know Components**

Ethyl Acetate, n-butyl acetate, 2-propanol, Bornan-2-one, Cellulose nitrate

**California Prop. 65 Components**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**SECTION 16 - OTHER INFORMATION****MANUFACTURER DISCLAIMER:** The information presented herein is believed to be accurate. Recipients are advised to confirm in advance that the information is current, applicable and suitable to their circumstances. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.**HMIS Rating**

Health hazard: 2

Chronic Health Hazard:\*

Flammability: 3

Physical Hazard 0

**NFPA Rating**

Health hazard: 2

Fire Hazard: 3

Reactivity Hazard: 0