



SAFETY DATA SHEET

Part No. FM-10466-011 (Aerosol)

Print Date: 08/07/2020
Revision Date: 7/20/2021
Supersedes Date: 7/8/2020
Issue Date: 7/8/2020
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Undercoating In A Can Black Wax Coating

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 1 - IDENTIFICATION

1.1 Product Identifier

Product Name : Undercoating In A Can Black Wax Coating
Manufacturer Product Number : FM-10466-011

1.2 Other Means of Identification

Other Identifiers : Not Available

1.3 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended Use : Underbody coating
Restrictions on Use : None Identified

1.4 Supplier Details

	Manufacturer Details	Supplier Details
Company Name	Chem-Pak Inc	Undercoating In A Can
Address	242 Corning Way, Martinsburg, WV 25405 - United States	454 South Main Street, Wilkes-Barre, PA 18703
Phone Number	304-262-1880	570-822-1151
Fax Number	304-262-9643	
Email	msds@chem-pak.com	
Website	http://www.chem-pak.com	

1.5 24 hr Emergency Phone Number

Emergency Number : 800-255-3924
Chem-Tel

SECTION 2 - HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

Flam. Aerosol 1	H222	Physical Hazards	Flammable aerosol Category 1
Press. Gas (Comp.)	H280	Physical Hazards	Gases under pressure Compressed gas
Aquatic Acute 3	H402	Environmental Hazards	Hazardous to the aquatic environment - Acute Hazard Category 3
Aquatic Acute 3	H412	Environmental Hazards	Hazardous to the aquatic environment - Chronic Hazard Category 3

2.2 Label Elements

Hazard Pictograms



GHS02



GHS04

Signal Word

Danger

Hazard Statements

H222 : Extremely flammable aerosol
H280 : Contains gas under pressure; may explode if heated
H402 : Harmful to aquatic life
H402 : Harmful to aquatic life with long lasting effects

Precautionary Statements

P210 : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 : Do not spray on an open flame or other ignition source.
P251 : Pressurized container: Do not pierce or burn, even after use.
P273 : Avoid release to the environment.
P403 : Store in a well-ventilated place.
P410+P412 : Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.



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P501 : Dispose of contents/container to applicable regulations.

2.3 Other Hazards Which Do Not Result In Classification

Hazards Not Otherwise Classified : None Identified.

2.4 Unknown acute toxicity

81.22% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
83.47% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
77.5% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (vapors))

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance / Mixture

Substance / Mixture : Mixture

3.2 Composition

Substance name	CAS Number	% wt*	Classification
Propane	74-98-6	10 - 30	Flam. Gas 1, H220 Press. Gas (Diss.), H280
Hydrotreated Heavy Petroleum Naphtha	64742-48-9	10 - 30	Flam. Liq. 3, H226 Asp. Tox. 1, H304
Hydrotreating Light Process Distillate	68410-97-9	1 - 5	Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

Full text of hazard classes and H-statements : see section 16

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

SECTION 4 - FIRST-AID MEASURES

4.1 Description of First-Aid Measures

General Measures : If exposed or concerned: Get medical advice/attention.
Inhalation : Remove person to fresh air and keep comfortable for breathing.
Skin Contact : Wash skin with plenty of water.
Eye Contact : Rinse eyes with water as a precaution.
Ingestion : Call a poison center or a doctor if you feel unwell.
First-Aid Responder Protection : Wear adequate personal protective equipment based on the nature and severity of the emergency.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms of Exposure : Eye Irritation, Throat Irritation, Dermatitis, Confusion, Headache, Dizziness, Nausea, Drowsiness, Vomiting, Cough
Delayed Effects : No known delayed effects.
Immediate Effects : No known immediate effects.
Chronic Effects : No known chronic effects.
Target Organs : Central Nervous System.

4.3 Indication of Immediate Medical Attention and Special Treatment

Notes to Physician : Treat symptomatically.
Specific Treatments/Antidotes : No Information Available.
Medical Conditions Aggravated : May aggravate personnel with pre-existing disorders associated with any of the Target Organs.

SECTION 5 - FIRE-FIGHTING MEASURES

5.1 Suitable Extinguishing Media

Extinguishing Media : Water, carbon dioxide, dry chemical, universal aqueous film forming foam.
Unsuitable Media : Water jet.

5.2 Specific Hazards Arising from the Chemical or Mixture

Hazardous Combustion Products : Decomposition products may include: oxides of carbon, smoke, vapors. See also Section 10.6.



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Specific Hazards During Firefighting : *Extremely flammable. Contents under pressure. In a fire or if heated, a pressure increase will occur which may result in container bursting. Vapors heavier than air may spread along the ground and travel to an ignition source.*

5.3 Special Protective Actions for Fire-Fighters

Firefighting Instructions : *Use water spray to cool fire exposed aerosol containers, as contents can rupture violently from heat developed pressure.*

Protection during Firefighting : *Firemen should wear self-contained breathing apparatus with full face-piece operated in positive pressure mode.*

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

For Non-Emergency Personnel : *No action should be taken involving any personnel without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spill. Remove ignition sources and provide adequate ventilation only if it is safe to do so.*

For Emergency Personnel : *Use personal protection as recommended in Section 8. Observe precautions provided for non-emergency personnel above.*

6.2 Environmental Precautions

Environmental Precautions : *Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.*

6.3 Methods and Materials for Containment and Cleaning up

Containment Procedures : *Product is an aerosol, therefore spills and leaks are unlikely. In case of rupture, released content may be contained with oil/solvent absorbent pads, socks, and/or absorbents.*

Cleanup Procedures : *Spills from aerosol cans are unlikely and are generally of small volume. Large spills are therefore not normally considered a problem. In case of actual rupture, avoid breathing vapors and ventilate area well. Remove sources of ignition and use non-sparking equipment. Soak up material with inert absorbent and place in safety containers for proper disposal.*

Other Information : *Aerosol products represent a limited hazard and will not spill or leak unless ruptured. In case of rupture contents are generally evacuated from the can rapidly. Area should be ventilated immediately and continuous ventilation provided until all fumes and vapors have been removed. Aerosol cans should never be incinerated or burned.*

Prohibited Materials : *Combustible absorbent material such as sawdust. Use of equipment that may cause sparking.*

SECTION 7 - HANDLING AND STORAGE

7.1 Precautions for Safe Handling

General Handling Precautions : *KEEP OUT OF THE REACH OF CHILDREN. Avoid prolonged or repeated skin contact. Avoid breathing of vapors. Do not incinerate (burn) containers. Always replace overcap when not in use. Avoid use around open flames or other sources of ignition. Exposure to heat or prolonged exposure to sun may cause can to burst. Use only with adequate ventilation, opening doors or windows to achieve cross-ventilation.*

Hygiene Recommendations : *Do not eat, drink or smoke when using this product. Wash hands thoroughly after use. Remove contaminated clothing and protective equipment before entering eating or smoking areas.*

7.2 Conditions for Safe Storage Including Any Incompatibilities

Storage Requirements : *Storage of individual cans should be done in an area below 55°C (120 °F), and away from heat sources. Ensure can is in a secure place to prevent knocking over and accidental rupture. For storage of pallet quantities, compliance with NFPA 30B (Manufacture and Storage of Aerosol Products) is recommended.*

Incompatibilities : *Segregate storage away from materials indicated in Section 10.*

NFPA 30B Classification : *This product is classified as a Level 1 Aerosol per NFPA 30B*

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters



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Propane (74-98-6)		
OSHA	OSHA PEL (TWA) (mg/m ³)	1800 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	1000 ppm
NIOSH	US IDLH (ppm)	2100 ppm
NIOSH	NIOSH REL (TWA) (mg/m ³)	1800 mg/m ³
NIOSH	NIOSH REL (TWA) (ppm)	1000 ppm
California	California PEL (TWA) (mg/m ³)	1800 mg/m ³
California	California PEL (TWA) (ppm)	1000 ppm

8.2 Exposure Controls

- Engineering Measures** : Use only with adequate ventilation. General ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Local exhaust ventilation or an enclosed handling system may be necessary to control air contamination below that of the lowest OEL from the table above.
- Personal Protective Equipment**
- Eye / Face Protection** : Safety glasses with side shields are recommended as a minimum for any type of industrial chemical handling. Where eye contact with this material could occur, chemical splash proof goggles are recommended.
- Hand Protection** : Chemical-resistant gloves, tested according to ASTM F903-17.
- Remarks** : Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to the place of work.
- Skin and Body Protection** : For brief contact, no precautions other than clean body-covering clothing should be needed. When prolonged or repeated contact could occur, use protective clothing impervious to the ingredients listed in Section 2.
- Respiratory Protection** : An approved respirator may be permissible under certain circumstances where airborne concentrations are expected to exceed occupational exposure limits. Under those circumstances, users should be provided with either a half-facepiece (if wearing safety glasses) or a full-facepiece (if not wearing safety glasses) air-purifying respirator, fitted with organic vapor cartridges and P95 filters.
- Compliance** : If needed, compliance with OSHA standard 29 CFR 1910.134 is necessary.
- Other Protective Equipment** : Safety showers and eye-wash stations should be available in the workplace near where the material will be used.
- Environmental Exposure Controls** : Avoid release to the environment.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical Properties

Boiling Point	> 112.09 °C	Melting / Freezing Point	> -73.33 °C
Flash Point, Liquid	> 14.00 °C	Flash Point, Propellant	-104.40 °C
Explosive Limits	LEL: 0.60 UEL: 8.00 vol %	Autoignition Temperature, Liquid	230.00 °C
Flammability	Extremely Flammable Aerosol	Density	1.011 g/cm ³
Molecular Weight	Not Available	Weight	8.437 lbs/gal
Vapor Pressure	Not Available	pH	Not Available
Vapor Density	Not Available	Evaporation Rate (nBAC=1)	Not Available
Viscosity	317.00 cSt (centistoke)	Partition Coefficient (Log Pow)	Not Available
Odor Threshold	Not Available	Refractive Index	Not Available
Physical State	Pressurized Product	Heat Of Combustion	7534.02 BTU/lb
Appearance / Color	Brown	Water Solubility	Not Available
Odor	Petroleum	Decomposition Temperature	Not Available

9.2 Environmental Properties

Percent Volatile	38.78 % wt	VOC Regulatory	337.25 g/L (2.81 lbs/gal)
Percent VOC	38.78 % wt	VOC Actual	392.02 g/L (3.27 lbs/gal)
Percent HAP	0.00 % wt	HAP Content	0.00 g/L (0.00 lbs/gal)
Global Warming Potential	0.66 GWP	Maximum Incremental Reactivity	0.2790 g O3/g
Ozone Depletion Potential	0.00 ODP		



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SECTION 10 - STABILITY AND REACTIVITY

10.1 Reactivity

Reactivity : No specific test data related to reactivity is available for this products or its ingredients.

10.2 Chemical Stability

Chemical Stability : This product is stable.

10.3 Possibility of Hazardous Reactions

Hazardous Reactions : Under normal conditions of storage and use, hazardous reactions are not expected to occur.

10.4 Conditions to Avoid

Conditions to Avoid : Electrostatic Discharge, Other Ignition Sources, Flames, Sparks.

10.5 Incompatible Materials

Materials to Avoid : Strong Oxidizing Agents, Halogen Compounds.

10.6 Hazardous Decomposition Products

Thermal Decomposition : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 - TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

Propane (CAS: 74-98-6 / EC: 200-827-9)

LC50 Inhalation (Rat) : 658 mg/l/4h (Lit.)

Hydrotreating Light Process Distillate (CAS: 68410-97-9 / EC: 270-093-2)

LD50 Oral (Rat) : 5170 mg/kg (RTECS)

LC50 Inhalation (Rat) : > 12408 ppm/4h (RTECS)

Hydrotreated Heavy Petroleum Naphtha (CAS: 64742-48-9 / EC: 265-150-3)

LD50 Oral (Rat) : > 6000 mg/kg (RTECS)

LD50 Dermal (Rat) : > 5000 mg/kg (MERCK)

Routes Of Exposure : Eye Contact, Skin Contact, Inhalation.

Delayed and Immediate Effects and Also Chronic Effects from Short and Long Term Exposure : See Section 4.2

Skin Corrosion/Irritation : Not classified

Eye Damage/Irritation : Not classified

Respiratory or Skin Sensitization : Not classified

Germ Cell Mutagenicity : Not classified

Reproductive Toxicity : Not classified

STOT-Single Exposure : Not classified

STOT-Repeated Exposure : Not classified

Aspiration Hazard : Not Classified

Vaporizer : Aerosol

Carcinogen Data : None of the ingredients in the product are listed with OSHA, IARC, NTP or ACGIH as being a suspected or known carcinogen in a concentration greater than 0.1% by weight.

SECTION 12 - ECOLOGICAL INFORMATION

12.1 Ecotoxicity and Ecological Properties

Propane (74-98-6)

Persistence and Degradability : Readily biodegradable in water. Not applicable (gas). Photodegradation in the air.



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Propane (74-98-6)

BCF Fish	9 - 25 (BCF)
Log Pow	2.28 (Calculated)
Bioaccumulative Potential	Low potential for bioaccumulation (Log Kow < 4).

Hydrotreated Heavy Petroleum Naphtha (64742-48-9)

Bioaccumulative Potential	Bioaccumable.
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SECTION 13 - DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

- Waste Disposal** : Characteristics and waste stream classification can change with product use and location. It is the responsibility of the user to determine the proper storage, transportation, treatment, and/or disposal methodologies for spent materials and residues at the time of disposition. All waste must be disposed of in compliance with the respective national, federal, state, and/or local regulations.
- Waste Disposal Of Packaging** : In the United States, an aerosol container that does not contain a significant amount of liquid would meet the definition of scrap metal (40 CFR 261.1(c)(6)), and would be exempt from RCRA regulation under 40 CFR 261.6(a)(3)(iv) if it is to be recycled. If containers are to be disposed of (not recycled) it must be managed under all applicable RCRA and state regulations.
- Landfill Precautions** : Not Available.
- Incineration Precautions** : ** DO NOT INCINERATE ** CONTENTS UNDER PRESSURE **.

SECTION 14 - TRANSPORTATION INFORMATION

14.1 UN Number	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
UN Number	: UN1950	UN1950	UN1950

14.2 UN Proper Shipping Name	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
UN Proper Shipping Name	: Aerosols, Limited Quantity	Aerosols, Flammable, Limited Quantity	Aerosols, Limited Quantity

14.3 Transport Hazard Class(es)	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
Transport Hazard Class(es)	: 2.1	2.1	2.1
Labels	: None	2.1 - Flammable gas	None



Limited Quantity	: Yes	Yes	Yes

EmS Code	: Not Applicable	Not Applicable	F-D, S-U
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14.4 Packing Group	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
Packing Group	: None	None	None

14.5 Environmental Hazards	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
Marine Pollutant	: No	No	No

14.6 Special Precautions			
Precautions	: None Identified		



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14.7 Transport in Bulk

Remarks : Not applicable for product as supplied

SECTION 15 - REGULATORY INFORMATION

15.1 Federal Regulations

SARA Section 313 : Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Benzene	CAS-No. 71-43-2	< 0.0001%
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TSCA Section 12(b) : This product or mixture is not known to contain a chemical or chemicals subject to the export notification requirements of section 12(b) of the Toxic Substances Control Act (TSCA) and 40 CFR Part 707, subpart D

CERCLA Reportable Quantity : Chemical(s) subject to reporting requirements of Section 102 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) if released to the environment at or above the reportable quantity

Benzene	CAS-No. 71-43-2	10 lb
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15.2 State Regulations

California Proposition 65 : This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

Benzene (71-43-2)	Cancer	Yes	0.0001 %
Benzene (71-43-2)	Developmental Toxicity	Yes	0.0001 %
Benzene (71-43-2)	No significance risk level (NSRL)	6.4 µg/day	

State Right-to-Know Lists : The following chemical(s) appear on one or more state RTK (Right to Know) lists as indicated

Propane (74-98-6)	U.S. - New Jersey - Right to Know Hazardous Substance List
n-Heptane (142-82-5)	U.S. - New Jersey - Right to Know Hazardous Substance List
Benzene (71-43-2)	U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16 - OTHER INFORMATION

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