

# Material Safety Data Sheet

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Material Identification

**Product ID:** 430.0002301.076  
**Product Name:** HP-11 BLACK 6U  
**Product Use:** Paint product.  
**Print date:** 2005/05/03  
**Revision Date:** 4th September 2009

### Company Identification

Master Distributors Plasti-kote  
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## 2. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

Common Name CAS-No.	approx. Weight %	Chemical name
DIMETHYL KETONE 67-64-1	25 - 30	ACETONE
TOLUENE 108-88-3	20 - 25	Toluene
PROPANE 74-98-6	20 - 25	Propane
BUTANE 106-97-8	5 - 10	Butane
ALIPHATIC PETROLEUM DISTILLATES 64742-89-8	5 - 10	SOLVENT NAPHTHA, PETROLEUM, LIGHT ALIPH
ACETIC ACID ESTER 88230-35-7	1 - 5	Hexanol, acetate, branched and linear
N-BUTYL ALCOHOL 71-36-3	1 - 5	n-Butyl alcohol
MANGANESE FERRITE BLACK SPINEL 68186-94-7	1 - 5	MANGANESE FERRITE BLACK SPINEL
CARBON BLACK 1333-86-4	.1 - 1	CARBON BLACK

If this section is blank there are no hazardous components per OSHA guidelines.

## 3. HAZARDS IDENTIFICATION

Product ID: 430.0002301.076

**Primary Routes of Exposure:**

Inhalation  
Ingestion  
Skin absorption

**Emergency Overview:**

This section not in use.

**This product contains ingredients that may contribute to the following potential acute health effects:****Inhalation Effects:**

Exposure to dust particles generated from the solid material causes irritation of the respiratory tract.

**Eye Contact:**

Corneal Injury/eye damage. Causes eye irritation.

**Skin Contact:**

Harmful if absorbed through the skin.

**Acute Ingestion:**

Irritation of gastrointestinal tract.

**Other Effects:**

May cause central nervous system depression.

**This product contains ingredients that may contribute to the following potential chronic health effects:**

Notice: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Prolonged and continuous exposure to dust may result in cough or sputum production indistinguishable from that which occurs with cigarette smoking. May impair the reproductive system of both men and women. Damage may also be caused to the unborn fetus. May cause eye damage and pain. Prolonged and/or repeated contact can result in skin irritation. May cause skin drying with prolonged exposure. Possible birth defects hazard. Contains ingredients which may cause birth defects based on animal data. May cause kidney damage. Hearing loss. May cause liver damage. Possible cancer hazard. Contains ingredients which may cause cancer based on animal data. Risk of cancer depends on duration and level of exposure.

See Section 11 for toxicological information about Mutagens, Teratogens and Carcinogens.

If this section is blank, no information is available.

## 4. FIRST AID MEASURES

**Inhalation:**

If affected by inhalation, move victim to fresh air. If symptoms persist, seek medical attention.

**Eye Contact:**

In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

**Skin Contact:**

In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. If irritation persists get medical attention. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean contaminated shoes.

**Ingestion:**

If swallowed, do not induce vomiting. Give large quantities of water. If available, give several glasses of milk. Never give anything by mouth to an unconscious person. Get medical attention immediately. If swallowed, get medical attention immediately.

**Medical conditions aggravated by exposure:** Any respiratory or skin condition.

## 5. FIRE FIGHTING MEASURES

Flash point (Fahrenheit):	-31° F ( -35° C) TCC/PM
Lower explosive limit:	1 %
Upper explosive limit:	13 %
Autoignition temperature:	Not available.° F ( ° C)
Sensitivity to impact:	No.
Sensitivity to static discharge:	Subject to static discharge hazards. Please see bonding and grounding information in Section 7.
Hazardous combustion products:	See Section 10.

**Unusual fire and explosion hazards:**

None known.

**Extinguishing media:**

Carbon dioxide, dry chemical, foam and/or water fog.

**Fire fighting procedures:**

Use water spray to cool nearby containers and structures exposed to fire.

## 6. ACCIDENTAL RELEASE MEASURES

**Action to be taken if material is released or spilled:**

Ventilate area. Avoid breathing of vapors. Use self-containing breathing apparatus or airmask for large spills in a confined area. Wipe, scrape or soak up in an inert material and put in a container for disposal. See section 5, "Unusual Fire and Explosion Hazards", for proper container and storage procedures. Remove sources of ignition. Remove with inert absorbent and non sparking tools. Avoid contact with eyes.

## 7. HANDLING AND STORAGE

**Precautions to be taken in handling and storage:**

Keep away from heat, sparks, and flames. Keep container closed when not in use. Do not store above 120 degrees F. (49 degrees C). Based on flash point and vapor pressure, suitable storage should be provided in accordance with OSHA regulation 1910.106, Ontario OH&S regulation 851 section 22. Empty containers may contain product residue, including flammable or explosive vapors. Do not cut, puncture or weld on or near container. All label warnings must be observed until the container has been commercially cleaned or reconditioned. If the product is used near or above the flashpoint, an ignition hazard may be present. Activities, uses, or operations which liberate vapor (such as mixing or free fall of liquids) may also present an ignition hazard. Please ensure containers and other interconnected equipment are properly bonded and grounded at all times.

## 8. PERSONAL PROTECTIVE EQUIPMENT AND EXPOSURE CONTROLS

**Personal Protective Equipment****Eye and face protection:**

Avoid contact with eyes. Wear chemical goggles if there is the possibility of contact or splashing in the eye.

**Skin protection:**

Appropriate chemical resistant gloves should be worn. To prevent skin contact wear protective clothing covering all exposed areas.

**Respiratory protection:**

If exposure cannot be controlled below applicable limits, use the appropriate NIOSH approved respirator such as an air purifying respirator with organic vapor cartridge and dust/mist filter. Consult the respirator manufacturer's literature to ensure that the respirator will provide adequate protection. Read and follow all respirator manufacturer's instructions.

**Ventilation**

Required when spraying or applying in confined area. Ventilation equipment should be explosion proof. Eliminate ignition sources.

**Exposure Guidelines**

**OSHA Permissible Exposure Limits (PEL's)**

Common Name CAS-No.	approx. Weight %	TWA (final)	Ceilings limits (final)	Skin designations
DIMETHYL KETONE 67-64-1	25 - 30	2400 MGM3 1000 ppm		
TOLUENE 108-88-3	20 - 25	200 ppm	300 ppm	
PROPANE 74-98-6	20 - 25	1800 MGM3 1000 ppm		
N-BUTYL ALCOHOL 71-36-3	1 - 5	300 MGM3 100 ppm		
MANGANESE FERRITE BLACK SPINEL 68186-94-7	1 - 5		5 MGM3 Mn	
CARBON BLACK 1333-86-4	.1 - 1	3.5 MGM3 5 MGM3 Respirable fraction. 15 MGM3 Total dust. Respirable fraction. Listed. Total dust. Listed.		

**ACGIH Threshold Limit Value (TLV's)**

Common Name CAS-No.	approx. Weight %	TWA	STEL	Ceiling limits	Skin designations
DIMETHYL KETONE 67-64-1	25 - 30	500 ppm	750 ppm		
TOLUENE 108-88-3	20 - 25	50 ppm			Can be absorbed through the skin.
PROPANE 74-98-6	20 - 25	1000 ppm			
BUTANE 106-97-8	5 - 10	1000 ppm			
N-BUTYL ALCOHOL 71-36-3	1 - 5	20 ppm			

MANGANESE FERRITE BLACK SPINEL 68186-94-7	1 - 5	0.2 MGM3 Mn			
CARBON BLACK 1333-86-4	.1 - 1	3.5 MGM3 10 MGM3 Inhalable particles. 3 MGM3 Respirable particles.			

If this section is blank, no information is available.

## 9. PHYSICAL PROPERTIES

Odor:	Normal for this product type.
Physical State:	Liquid
pH:	Not determined.
Vapor pressure:	NOT DETERMINED mmHG @ 68° F ( 20° C)
Vapor density (air = 1.0):	5
Boiling point:	-42° F ( -41° C)
Solubility in water:	Not determined.
Coefficient of water/oil distribution:	Not determined.
Density (lbs per US gallon):	6.02
Specific Gravity	.72
Evaporation rate (butyl acetate = 1.0):	5.6

## 10. STABILITY AND REACTIVITY

Stability	Stable
Conditions to Avoid:	None known.
Incompatibility:	Strong oxidizers.
Hazardous Polymerization:	None anticipated.
Hazardous Decomposition Products:	Carbon monoxide and carbon dioxide.

**Sensitivity to static discharge:** Subject to static discharge hazards. Please see bonding and grounding information in Section 7.

## 11. TOXICOLOGICAL INFORMATION

### Mutagens:

Common Name CAS-No.	approx. Weight %	Calif- Prop. 65. Developmental Toxicity	California Prop 65 - reproductive male
TOLUENE 108-88-3	20 - 25	Listed: January 1, 1991 Developmental toxin.	

### Teratogens:

**Carcinogens:**

Common Name CAS-No.	approx. Weight %	IARC Group 1 - Human Evidence	IARC Group 2A - limited human data	IARC Group 2b - sufficient animal data
CARBON BLACK 1333-86-4	.1 - 1			Monograph 65, 1996

Common Name CAS-No.	approx. Weight %	NTP Known carcinogens	NTP Suspect carcinogens	NTP Evidence of carcinogenicity
TOLUENE 108-88-3	20 - 25			MALE RAT - NO EVIDENCE; FEMALE RAT - NO EVIDENCE; MALE MICE - NO EVIDENCE; FEMALE MICE - NO EVIDENCE.

If this section is blank, no information is available.

**12. ECOLOGICAL DATA**

Not available at this time.

**13. DISPOSAL CONSIDERATIONS**

Disposal should be made in accordance with federal, state and local regulations.

**14. TRANSPORTATION INFORMATION**

**U.S. Department of Transportation**

Proper Shipping Name: CONSUMER COMMODITY ORM-D  
UN ID Number: CONCOM

**49 CFR Hazardous Material Regulations Parts 100-180**

The supplier will apply the combustible liquid exception in 49 CFR 173.150(f), limited quantity or "does not sustain combustion" exceptions and consumer commodity rules, when authorized. Please check 49 CFR Parts 100-180 to determine if the use of these exceptions applies to your shipments when re-shipping our products.

**International Air Transport Association:**

Proper Shipping Name: AEROSOLS, FLAMMABLE  
Hazard Class: 2.1  
UN ID Number: UN1950

**International Maritime Organization:**

Proper Shipping Name: AEROSOLS  
Hazard Class: 2  
UN ID Number: UN1950



**15. REGULATORY INFORMATION**

Common Name CAS-No.	approx. Weight %	SARA 302	SARA 313	CERCLA RQ IN LBS.

TOLUENE 108-88-3	20 - 25		form R reporting required for 1.0% de minimis concentration	1000
N-BUTYL ALCOHOL 71-36-3	1 - 5		form R reporting required for 1.0% de minimis concentration	5000
MANGANESE FERRITE BLACK SPINEL 68186-94-7	1 - 5		YES	

**SARA 311/312 Hazard Class:**

Acute: Yes  
Chronic: Yes  
Flammability: Yes  
Reactivity: No  
Sudden Pressure: Yes

**U.S. STATE REGULATIONS:**

**Pennsylvania Right To Know:**

ALIPHATIC PETROLEUM DISTILLATES	64742-89-8
DIMETHYL KETONE	67-64-1
MANGANESE FERRITE BLACK SPINEL	68186-94-7
N-BUTYL ALCOHOL	71-36-3
PROPANE	74-98-6
BUTANE	106-97-8
TOLUENE	108-88-3
ACETIC ACID ESTER	88230-35-7

**Poisons Schedule (Australia):**

**S5 All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).**

**Rule 66 status of product** Photochemically reactive.

**INTERNATIONAL REGULATIONS - Chemical Inventories**

**TSCA Inventory:** All components of this product are in compliance with U.S. TSCA Chemical Substance Inventory Requirements.

**Canada Domestic Substances List:** All components of this product are listed on the Domestic Substances List.

**16. OTHER INFORMATION**

**HMIS Codes**

**Health:** 2  
**Flammability:** 4  
**Reactivity:** 1  
**PPE:** X - See Section 8 for Personal Protective Equipment (PPE).

**Abbreviations:**

OSHA - Occupational Safety and Health Administration, IARC - International Agency for Research on Cancer, NIOSH - National Institute of Occupational Safety and Health, NTP - National Toxicology Program, ACGIH - American Conference of Governmental Industrial Hygienists, SCAQMD - South Coast Air Quality Management District, TSCA - Toxic Substances Control Act, IATA - International Air Transport Association, IMO - International Maritime Organization, DOT - Department of Transportation, NA - Not applicable, NOT ESTAB - Not established, N.A.V. - Not available, RQ - Reportable quantity, WT - Weight, MG/CU M - Milligrams per cubic meter, G/L - Grams per liter, MM - Millimeters, MPPCF - Millions of particles per cubic foot, PPM - parts per million, PPT - parts per thousand, TCC/PM - Tag closed cup / Pensky-Martens, PB - Lead, PEL - Permissible exposure level, TWA - Time Weighted Average, STEL - Short term exposure limit, C - Celsius, F - Fahrenheit.

**DISCLAIMER:**

**Material Safety Data Sheets are updated frequently. Please ensure that you have a current copy. This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Master Distributors Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company. Our responsibility for the product as sold, is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.**