

1301 E. 9th Street, #700
Cleveland OH 44114
(800) 726-9626

Material Safety Data
Sheet

Barnes Distribution

MSDS Form No. : 037419

Item No. : BD1136

MATERIAL SAFETY DATA SHEET

ISSUING DATE: 02-JAN-2013

REVISION DATE: 02-JAN-2013

VERSION: 1

-----1. PRODUCT AND COMPANY IDENTIFICATION -----

PRODUCT NAME: BD1136 UNDERCOATING
PRODUCT CODE: F01541
PRODUCT TYPE: EXTREMELY FLAMMABLE AEROSOL
RECOMMENDED USE: UNDERCOATING

MANUFACTURED FOR:
BARNES DISTRIBUTION
1301 E. 9TH STREET, SUITE 700
CLEVELAND, OH 44114-1824

MANUFACTURED BY:
AMERICAN JETWAY CORPORATION
34136 MYRTLE STREET
WAYNE, MI 48184-0126

CHEMICAL EMERGENCY PHONE NUMBER:
303-623-5716 ROCKY MOUNTAIN POISON CONTROL 24 HR

-----2. HAZARDS IDENTIFICATION -----

DANGER!

EMERGENCY OVERVIEW:
EXTREMELY FLAMMABLE AEROSOL
CONTENTS UNDER PRESSURE
IRRITATING TO RESPIRATORY SYSTEM
IRRITATING TO SKIN
IRRITATING TO EYES

INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING CONTENTS
MAY
BE HARMFUL OR FATAL

APPEARANCE: OPAQUE

PHYSICAL STATE: AEROSOL

ODOR: SOLVENT

OSHA REGULATORY STATUS:

THIS MATERIAL IS CONSIDERED HAZARDOUS BY THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200)

POTENTIAL HEALTH EFFECTS:

PRINCIPLE ROUTES OF EXPOSURE: EYE CONTACT. SKIN CONTACT. INHALATION.

ACUTE TOXICITY:

EYES: IRRITATING TO EYES.

SKIN:

IRRITATING TO SKIN. PROLONGED SKIN CONTACT MAY DEFAT THE SKIN AND PRODUCE DERMATITIS. MAY CAUSE FROSTBITE.

INHALATION:

IRRITATING TO RESPIRATORY SYSTEM. AVOID BREATHING VAPORS OR MISTS. SYMPTOMS OF OVEREXPOSURE ARE DIZZINESS, HEADACHE, TIREDNESS, NAUSEA, UNCONSCIOUSNESS, CESSATION OF BREATHING.

INGESTION:

NOT AN EXPECTED ROUTE OF EXPOSURE. POTENTIAL FOR ASPIRATION IF SWALLOWED. INGESTION MAY CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA.

CHRONIC EFFECTS: MAY CAUSE ADVERSE LIVER EFFECTS.

AGGRAVATED MEDICAL CONDITIONS:

CENTRAL NERVOUS SYSTEM. PREEXISTING EYE DISORDERS. KIDNEY DISORDERS. LIVER DISORDERS. SKIN DISORDERS. RESPIRATORY DISORDERS.

INTERACTIONS WITH OTHER CHEMICALS:

USE OF ALCOHOLIC BEVERAGES MAY ENHANCE TOXIC EFFECTS

ENVIRONMENTAL HAZARD: SEE SECTION 12 FOR ADDITIONAL ECOLOGICAL INFORMATION

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

THIS PRODUCT IS CONSIDERED HAZARDOUS BY THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200).

CHEMICAL NAME	CAS-NO	WEIGHT %
CALCIUM CARBONATE	1317-65-3	15-40
PROPANE/ISOBUTANE/N-BUTANE	68476-86-8	10-30
TOLUENE	108-88-3	10-30
METHYL ACETATE	79-20-9	7-13
ACETONE	67-64-1	1-5

-----4. FIRST AID MEASURES -----

GENERAL ADVICE:

SHOW THIS MATERIAL SAFETY DATA SHEET TO THE DOCTOR IN ATTENDANCE.

EYE CONTACT:

IMMEDIATELY FLUSH WITH PLENTY OF WATER. AFTER INITIAL FLUSHING, REMOVE ANY

CONTACT LENSES AND CONTINUE FLUSHING FOR AT LEAST 15 MINUTES.

SKIN CONTACT:

WASH OFF IMMEDIATELY WITH SOAP AND PLENTY OF WATER. WASH CONTAMINATED CLOTHING BEFORE REUSE. IF SKIN IRRITATION PERSISTS, CALL A PHYSICIAN.

INHALATION:

MOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION.

INGESTION: DO NOT INDUCE VOMITING. CALL PHYSICIAN IMMEDIATELY.

NOTES TO PHYSICIAN: NO INFORMATION AVAILABLE.

-----5. FIRE-FIGHTING MEASURES -----

FLAMMABLE PROPERTIES: EXTREMELY FLAMMABLE AEROSOL.

FLASH POINT: -156 DEG. F / -104.4 DEG. C

METHOD: BASED ON PROPELLANT

SUITABLE EXTINGUISHING MEDIA:

FOAM. DRY CHEMICAL. ALCOHOL-RESISTANT FOAM. CARBON DIOXIDE (CO2).

HAZARDOUS COMBUSTION PRODUCTS: CARBON OXIDES.

EXPLOSION DATA:

SENSITIVITY TO STATIC DISCHARGE: NO INFORMATION AVAILABLE.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:
CONTAINERS CAN BUILD UP PRESSURE IF EXPOSED TO HEAT (FIRE). KEEP
CONTAINERS
AND SURROUNDING AREAS COOL WITH WATER SPRAY.

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:
AS IN ANY FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS PRESSURE-
DEMAND,
MSHA/NIOSH (APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEAR.

NFPA:

HEALTH HAZARD	2
FLAMMABILITY	4
STABILITY	0

PHYSICAL AND CHEMICAL HAZARDS

HMIS:

HEALTH HAZARD	2
FLAMMABILITY	3
PHYSICAL HAZARD	2

PERSONAL PROTECTION B

-----6. ACCIDENTAL RELEASE MEASURES -----

PERSONAL PRECAUTIONS:
ENSURE ADEQUATE VENTILATION. FOR PERSONAL PROTECTION SEE SECTION 8.

ENVIRONMENTAL PRECAUTIONS:
DO NOT FLUSH INTO SURFACE WATER OR SANITARY SEWER SYSTEM.

METHODS FOR CONTAINMENT:
PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO.

METHODS FOR CLEANING UP:
USE A NON-COMBUSTIBLE MATERIAL LIKE VERMICULITE, SAND OR EARTH TO SOAK
UP
THE PRODUCT AND PLACE INTO A CONTAINER FOR LATER DISPOSAL.

-----7. HANDLING AND STORAGE -----

ADVICE ON SAFE HANDLING:
WEAR PERSONAL PROTECTIVE EQUIPMENT. AVOID CONTACT WITH SKIN, EYES AND
CLOTHING. HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY
PRACTICE. DO NOT BREATHE VAPORS OR SPRAY MIST. DO NOT INGEST. KEEP AWAY
FROM
HEAT, SPARKS AND OPEN FLAME. NO SMOKING. WASH THOROUGHLY AFTER
HANDLING.

TECHNICAL MEASURES/STORAGE CONDITIONS:
 KEEP OUT OF THE REACH OF CHILDREN. INCOMPATIBLE WITH OXIDIZING AGENTS.

AEROSOL LEVEL: 2

-----8. EXPOSURE CONTROLS/PERSONAL PROTECTION -----

EXPOSURE GUIDELINES:

CHEMICAL NAME	ACGIH TLV	OSHA PEL	NIOSH IDLH
CALCIUM CARBONATE DUST 1317-65-3		TWA: 15 MG/M3 TOTAL DUST	TWA: 10 MG/M3 TOTAL
RESPIRABLE		TWA: 5 MG/M3 RESPIRABLE	TWA: 5 MG/M3
		FRACTION (VACATED) TWA: 15 MG/M3 TOTAL DUST (VACATED) TWA: 5 MG/M3 RESPIRABLE FRACTION	DUST
TOLUENE 108-88-3	TWA: 20 PPM	TWA: 200 PPM (VACATED) TWA: 100 PPM (VACATED) TWA: 375 MG/M3	IDLH: 500 PPM TWA: 100 PPM TWA: 375 MG/M3 STEL: 150 PPM STEL: 560
MG/M3		(VACATED) STEL: 150 PPM (VACATED) STEL: 560 MG/M3 CEILING: 300 PPM	
METHYL ACETATE 79-20-9	STEL: 250 PPM TWA: 200 PPM	TWA: 200 PPM TWA: 610 MG/M3 (VACATED) TWA: 200 PPM (VACATED) TWA: 610 MG/M3	IDLH: 3100 PPM TWA: 200 PPM TWA: 610 MG/M3 STEL: 250 PPM STEL: 760
MG/M3		(VACATED) STEL: 250 PPM (VACATED) STEL: 760 MG/M3	
ACETONE 67-64-1	STEL: 750 PPM TWA: 500 PPM	TWA: 1000 PPM TWA: 2400 MG/M3 (VACATED) TWA: 750 PPM (VACATED) TWA:	IDLH: 2500 PPM TWA: 250 PPM TWA: 590 MG/M3

1800 MG/M3
 (VACATED) STEL:
 2400 MG/M3
 THE ACETONE STEL
 DOES NOT APPLY TO
 THE CELLULOSE ACETATE
 FIBER INDUSTRY. IT IS
 IN EFFECT FOR ALL
 OTHER SECTORS
 (VACATED) STEL:
 1000 PPM

METHANOL 67-56-1	STEL: 250 PPM TWA: 200 PPM S*	TWA: 200 PPM TWA: 260 MG/M3 (VACATED) TWA: 200 PPM (VACATED) TWA:	IDLH: 6000 PPM TWA: 200 PPM TWA: 260 MG/M3 STEL: 250 PPM STEL: 325
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MG/M3

 260 MG/M3
 (VACATED) STEL:
 250 PPM
 (VACATED) STEL:
 325 MG/M3
 (VACATED) S*

CARBON BLACK MG/M3 1333-86-4	TWA: 3 MG/M3 INHALABLE FRACTION	TWA: 3.5 MG/M3 (VACATED) TWA: 3.5 MG/M3	IDLH: 1750 TWA: 3.5 MG/M3 TWA: 0.1 MG/M3
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CARBON

 PRESENCE

 PAH

 BLACK IN

 OF POLYCYCLIC
 AROMATIC
 HYDROCARBONS

XYLENE 1330-20-7	STEL: 150 PPM TWA: 100 PPM	TWA: 100 PPM TWA: 435 MG/M3 (VACATED) TWA: 100 PPM (VACATED) TWA: 435 MG/M3 (VACATED) STEL: 150 PPM (VACATED) STEL: 655 MG/M3
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GRAPHITE MG/M3 7782-42-5	TWA: 2 MG/M3 RESPIRABLE FRACTION	TWA: 15 MG/M3 TOTAL DUST SYNTHETIC TWA:	IDLH: 1250 TWA: 2.5 MG/M3 RESPIRABLE
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DUST

	ALL FORMS EXCEPT GRAPHITE FIBERS	5 MG/M3 RESPIRABLE FRACTION SYNTHETIC (VACATED) TWA: 2.5 MG/M3 RESPIRABLE DUST NATURAL (VACATED) TWA: 10 MG/M3 TOTAL DUST SYNTHETIC (VACATED) TWA: 5 MG/M3 RESPIRABLE FRACTION SYNTHETIC TWA: 15 MPPCF NATURAL	
SILICA, CRYSTALLINE RESPIRABLE 14808-60-7	TWA: 0.025 MG/M3 RESPIRABLE FRACTION	(VACATED) TWA: 0.1 MG/M3 RESPIRABLE DUST (30)/(%SiO2 + 2) MG/M3 TWA TOTAL DUST (250)/(%SiO2 + 5)	IDLH: 50 MG/M3 DUST TWA: 0.05 MG/M3 RESPIRABLE
DUST		MPPCF TWA RESPIRABLE FRACTION (10)/(%SiO2 + 2) MG/M3 TWA RESPIRABLE FRACTION	
BENZENE 71-43-2	STEL: 2.5 PPM TWA: 0.5 PPM S*	TWA: 10 PPM APPLIES TO INDUSTRY SEGMENTS EXEMPT FROM THE BENZENE STANDARD AT 29 CFR 1910.1028 TWA: 1 PPM (VACATED) TWA: 10 PPM UNLESS SPECIFIED IN 1910.1028 (VACATED) STEL: 50 PPM 10 MIN UNLESS SPECIFIED IN 1910.1028 (VACATED) CEILING: 25 PPM UNLESS SPECIFIED IN 1910.1028 CEILING: 25 PPM STEL: 5 PPM SEE 29 CFR 1910.1028	IDLH: 500 PPM TWA: 0.1 PPM STEL: 1 PPM
ETHYL BENZENE 100-41-4	TWA: 20 PPM	TWA: 100 PPM TWA: 435 MG/M3 (VACATED) TWA: 100 PPM (VACATED) TWA: 435 MG/M3	IDLH: 800 PPM TWA: 100 PPM TWA: 435 MG/M3 STEL: 125 PPM STEL: 545
MG/M3		(VACATED) STEL: 125 PPM	

(VACATED) STEL:
545 MG/M3

NAPHTHALENE 91-20-3	STEL: 15 PPM TWA: 10 PPM S*	TWA: 10 PPM TWA: 50 MG/M3 (VACATED) TWA: 10 PPM (VACATED) TWA: 50 MG/M3 (VACATED) STEL: 15 PPM (VACATED) STEL: 75 MG/M3	IDLH: 250 PPM TWA: 10 PPM TWA: 50 MG/M3 STEL: 15 PPM STEL: 75 MG/M3
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OTHER EXPOSURE GUIDELINES:
VACATED LIMITS REVOKED BY THE COURT OF APPEALS DECISION IN AFL-CIO V.
OSHA, 965 F.2D 962 (11TH CIR., 1992).

ENGINEERING MEASURES: ENSURE ADEQUATE VENTILATION.

PERSONAL PROTECTIVE EQUIPMENT:

EYE/FACE PROTECTION: SAFETY GLASSES WITH SIDE-SHIELDS.

SKIN AND BODY PROTECTION:
WEAR IMPERVIOUS PROTECTIVE CLOTHING, INCLUDING BOOTS, GLOVES, LAB COAT,
APRON OR COVERALLS, AS APPROPRIATE, TO PREVENT SKIN CONTACT.

RESPIRATORY PROTECTION:
IF EXPOSURE LIMITS ARE EXCEEDED OR IRRITATION IS EXPERIENCED,
NIOSH/MSHA
APPROVED RESPIRATORY PROTECTION SHOULD BE WORN.

HYGIENE MEASURES:
DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT. GENERAL INDUSTRIAL
HYGIENE PRACTICE. AVOID CONTACT WITH SKIN, EYES AND CLOTHING. WASH
HANDS
AND FACE BEFORE BREAKS AND IMMEDIATELY AFTER HANDLING THE PRODUCT.
AVOID
BREATHING VAPORS, MIST OR GAS.

-----9. PHYSICAL AND CHEMICAL PROPERTIES -----

PHYSICAL STATE: AEROSOL

APPEARANCE: OPAQUE

ODOR: SOLVENT

COLOR: BLACK

PROPERTY	VALUES	REMARKS - METHODS
PH	NOT APPLICABLE	

BOILING POINT/BOILING RANGE AVAILABLE		NO INFORMATION
FLASH POINT	-104.4 DEG. C / -156 DEG. F	BASED ON PROPELLANT
FLAMMABILITY LIMITS IN AIR UPPER FLAMMABILITY LIMIT LOWER FLAMMABILITY LIMIT		NO DATA AVAILABLE
VAPOR PRESSURE		NOT DETERMINED
VAPOR DENSITY		HEAVIER THAN AIR
SPECIFIC GRAVITY AVAILABLE	1.13	NO INFORMATION
WATER SOLUBILITY AVAILABLE		NO INFORMATION
VISCOSITY, KINEMATIC AVAILABLE		NO INFORMATION
FLAME EXTENSION W/O EXT TUBE	>40"	
FLASH BACK W/O EXT TUBE	0"	
VOC CONTENT (%)	37.45	

-----10. STABILITY AND REACTIVITY -----

STABILITY: STABLE UNDER RECOMMENDED STORAGE CONDITIONS.

INCOMPATIBLE PRODUCTS: STRONG OXIDIZING AGENTS.

CONDITIONS TO AVOID: STRONG OXIDIZING AGENTS. STRONG BASES.

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON OXIDES. FUMES.

HAZARDOUS REACTIONS: NO INFORMATION AVAILABLE.

HAZARDOUS POLYMERIZATION: HAZARDOUS POLYMERIZATION DOES NOT OCCUR.

-----11. TOXICOLOGICAL INFORMATION -----

ACUTE TOXICITY:

PRODUCT INFORMATION:

CAUSES SKIN, EYE AND RESPIRATORY TRACT IRRITATION. MAY BE HARMFUL

IF SWALLOWED.

CHEMICAL NAME	LD50 ORAL	LD50 DERMAL	LC50 INHALATION
TOLUENE	636 MG/KG (RAT)	8390 MG/KG (RABBIT)	12.5 MG/L (RAT)
4 H		12124 MG/KG (RAT)	26700 PPM (RAT)
1 H			
METHYL ACETATE	5000 MG/KG (RAT)	2000 MG/KG (RAT)	16000 PPM (RAT)
4 H		5000 MG/KG (RABBIT)	
ACETONE	5800 MG/KG (RAT)		

CHRONIC TOXICITY:

CHRONIC TOXICITY: MAY CAUSE ADVERSE LIVER EFFECTS.

CARCINOGENICITY:

THE TABLE BELOW INDICATES WHETHER EACH AGENCY HAS EVALUATED A LISTED INGREDIENT AS A CARCINOGEN.

CHEMICAL NAME	ACGIH	IARC	NTP	OSHA
TOLUENE		GROUP 3		

IARC: (INTERNATIONAL AGENCY FOR RESEARCH ON CANCER)

GROUP 3 - NOT CLASSIFIABLE AS TO CARCINOGENICITY IN HUMANS

TARGET ORGAN EFFECTS:

CENTRAL NERVOUS SYSTEM. EYES. KIDNEY. LIVER. RESPIRATORY SYSTEM. SKIN.

-----12. ECOLOGICAL INFORMATION -----

ECOTOXICITY:

THE ENVIRONMENTAL IMPACT OF THIS PRODUCT HAS NOT BEEN FULLY INVESTIGATED.

-----13. DISPOSAL CONSIDERATIONS -----

WASTE DISPOSAL METHODS:

THIS MATERIAL, AS SUPPLIED, IS A HAZARDOUS WASTE ACCORDING TO FEDERAL REGULATIONS (40 CFR 261).

CONTAMINATED PACKAGING: DO NOT RE-USE EMPTY CONTAINERS.

-----14. TRANSPORT INFORMATION -----

U.S. STATE REGULATIONS:

CALIFORNIA PROPOSITION 65:

THIS PRODUCT CONTAINS THE FOLLOWING PROPOSITION 65 CHEMICALS:

CHEMICAL NAME	CALIFORNIA PROP. 65
TOLUENE	DEVELOPMENTAL FEMALE REPRODUCTIVE
METHANOL	CARCINOGEN
CARBON BLACK	CARCINOGEN
SILICA, CRYSTALLINE	CARCINOGEN
BENZENE	CARCINOGEN DEVELOPMENTAL MALE REPRODUCTIVE
ETHYL BENZENE	CARCINOGEN
NAPHTHALENE	CARCINOGEN

U.S. STATE RIGHT-TO-KNOW REGULATIONS:

CHEMICAL NAME	MASSACHUSETTS	NEW JERSEY	PENNSYLVANIA	ILLINOIS
RHODE ISLAND				
TOLUENE	X	X	X	X
METHYL ACETATE	X	X	X	
ACETONE	X	X	X	
METHANOL	X	X	X	X
CARBON BLACK	X	X	X	X

INTERNATIONAL REGULATIONS:

CHEMICAL NAME	CARCINOGEN STATUS	EXPOSURE LIMITS
TOLUENE		MEXICO: TWA 50 PPM MEXICO: TWA 188 MG/M3
METHYL ACETATE		MEXICO: TWA 200 PPM MEXICO: TWA 610 MG/M3

MEXICO: STEL 250 PPM
MEXICO: STEL 760

MG/M3

ACETONE

MEXICO: TWA 1000 PPM
MEXICO: TWA 2400

MG/M3

MEXICO: STEL 1260 PPM
MEXICO: STEL 3000

MG/M3

CANADA:

THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CONTROLLED PRODUCTS REGULATIONS (CPR) AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.

-----16. OTHER INFORMATION -----

PREPARED BY:
AMERICAN JETWAY
34136 MYRTLE STREET
WAYNE, MI 48184

ISSUING DATE: 02-JAN-2013

REVISION DATE: 02-JAN-2013

REVISION NOTE: NO INFORMATION AVAILABLE.

DISCLAIMER:

THE INFORMATION PROVIDED ON THIS MSDS IS CORRECT TO THE BEST OF OUR KNOWLEDGE, INFORMATION AND BELIEF AT THE DATE OF ITS PUBLICATION. THE INFORMATION GIVEN IS DESIGNED ONLY AS A GUIDE FOR SAFE HANDLING, USE, PROCESSING, STORAGE, TRANSPORTATION, DISPOSAL AND RELEASE AND IS NOT TO BE CONSIDERED AS A WARRANTY OR QUALITY SPECIFICATION. THE INFORMATION RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED AND MAY NOT BE VALID FOR SUCH MATERIAL USED IN COMBINATION WITH ANY OTHER MATERIAL OR IN ANY PROCESS, UNLESS SPECIFIED IN THE TEXT.

F01541 - BD1136 UNDERCOATING