

Material Safety Data Sheet
4054 VINYL ANTIFOULING BLACK F129A



Bulk Sales Reference No.:
MSDS Revision Date:
MSDS Revision Number:

Sales
Order: {SalesOrd}
4054
10/01/2011
F8-7

1. Identification of the preparation and company

Product Identity 4054 VINYL ANTIFOULING BLACK F129A
Bulk Sales Reference No. 4054
Company Name International Paint LLC
6001 Antoine Drive
Houston, Texas 77091

Emergency
CHEMTREC (USA) (800) 424-9300
International Paint (713) 682-1711
Poison Control Center (800) 854-6813
Customer Service
International Paint (800) 589-1267
Fax No. (800) 631-7481

2. Hazard identification of the product



Danger

GHS Classification:

Item	Category	Hazard
Flammability	2	Highly flammable liquid and vapor
Acute Toxicity (mouth)	4	Harmful if swallowed
Acute Toxicity (skin)	5	May be harmful in contact with skin
Acute Toxicity (inhalation)	3	Toxic if inhaled
Acute Toxicity (ingestion)	Not classified	Not applicable
Skin corrosion/irritation	Not classified	Not applicable
Eye damage/irritation	Not classified	Not applicable
Sensitization (respiratory)	Not classified	Not applicable
Sensitization (skin)	Not classified	Not applicable
Germ toxicity	Not classified	Not applicable
Specific target organ systemic toxicity (single exposure)	1	central nerve system, kidneys, liver, respiratory system
	2	central nerve system
	3	narcotic effects, respiratory tract irritation
Specific target organ systemic Toxicity (repeated exposure)	1	central nerve system, liver, respiratory system, systemic toxicity
	2	Not applicable
Aspiration hazard	Not classified	Not applicable
Harmfulness to aquatic Environment (acute)	1	Very Toxic to aquatic life.
Harmfulness to aquatic Environment (long term effect)	1	Very Toxic to aquatic life with long lasting effects

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Carcinogenicity	Not classified	Not applicable
Reproductive Toxicity	Not classified	Not applicable
Organic Peroxide	Not classified	Not applicable

Safety Phrases:

S7: Keep container tightly closed.

S15: Keep away from heat.

S16: Keep away from sources of ignition – No Smoking.

S20: When using do not eat or drink.

S21: When using do not smoke.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S27: Take off immediately all contaminated clothing.

S28: After contact with skin, wash immediately with plenty of soap and water.

S33: Take precautionary measures against static discharges.

S36: Wear suitable protective clothing.

S39: Wear eye/face protection.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S46: If swallowed, seek medical advice immediately and show this container or label.

S61: Avoid release to the environment. Refer to special instructions/Safety data sheets.

Overview	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. Avoid contact with eyes, skin and clothing.			
Inhalation	Harmful if inhaled. Causes nose and throat irritation. Vapors may affect the brain or nervous system causing dizziness, headache or nausea.			
Eyes	Causes severe eye irritation. Avoid contact with eyes.			
Skin	Causes skin irritation. May be harmful if absorbed through the skin.			
Ingestion	Harmful if swallowed. May cause abdominal pain, nausea, vomiting, diarrhea, or drowsiness. Can result in irritation of the mouth, stomach tissue and digestive tract.			
Chronic effects	Possible cancer hazard. Contains an ingredient which may cause cancer based on animal data (See Section 2 and Section 15 for each ingredient). Risk of cancer depends on duration and level of exposure.			
HMIS Rating	Health: 3*	Flammability: 3	Reactivity: 0	PPE: X

3. Composition/information on ingredients

Ingredient	CAS No.	Percent
Benzene, ethyl-	0000100-41-4	1.0 – 10
Methylisobutyl ketone	0000108-10-1	1.0 – 10
Copper oxide	0001317-38-0	1.0 – 10
Copper oxide (Cu ₂ O)	0001317-39-1	50 – 75
Xylenes (o-, m-, p- isomers)	0001330-20-7	1.0 – 10
Copper	0007440-50-8	1.0 – 10
ETHYLTOLUENESULFONAMIDE	0008047-99-2	1.0 – 10
Vinyl chloride-Vinyl acetate copolymer	0009003-22-9	1.0 – 10

4. First aid measures

General	Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean or destroy contaminated shoes.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Eyes	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
Skin	In case of contact, immediately flush skin with soap and plenty of water. Get

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medical attention immediately.

Ingestion

If swallowed, immediately contact Poison Control Center at 1-800-854-6813. DO NOT induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to an unconscious person.

5. Fire-fighting measures

Flash Point

F: 66

C: 19

Lower Explosive Limit (LEL)

1 (%vol in air) at Normal Atmospheric Temp and Pressure

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6. Accidental release measures

Spill Response
Procedures

ELIMINATE ALL IGNITION SOURCES (no smoking, flares, sparks or flames in immediate area). Use only non-sparking equipment to handle spilled material and absorbent. Do not touch or walk through spilled material. Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas. A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand, or other non-combustible material and transfer to containers. Use non-sparking tools to collect absorbed material.

Public Safety

CALL CHEMTREC at (800)-424-9300 for emergency response. Isolate spill or leak area immediately for at least 25 to 50 meters (80 to 160 feet) in all directions. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering. LARGE SPILLS: Consider initial downwind evacuation for at least 300 meters (1000 feet).

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7. Handling and storage

Storage Temperature

Store between 40–100F (4–38C).

Handling and Storage
Precautions

Keep away from heat, sparks and flame. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Vapors may cause flash fire or ignite explosively. Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation. Avoid contact with eyes and clothing. Avoid prolonged or repeated contact with skin. Close container after each use. Wash thoroughly after handling.

8. Exposure controls and personal protection

Exposure

CAS No.	Ingredient	Source	Value
0000100–41–4	Benzene, ethyl–	OSHA	100 ppm TWA; 435 mg/m ³ TWA125 ppm STEL; 545 mg/m ³ STEL
		ACGIH	100 ppm TWA125 ppm STEL
		NIOSH	100 ppm TWA; 435 mg/m ³ TWA125 ppm STEL; 545 mg/m ³ STEL800 ppm IDLH (10% LEL)
		Supplier	No Established Limit
		OHSA, CAN	100 ppm TWAEEV; 435 mg/m ³ TWAEEV125 ppm STEV; 540 mg/m ³ STEV
		Mexico	100 ppm TWA; 435 mg/m ³ TWA125 ppm STEL; 545 mg/m ³ STEL
		Brazil	78 ppm TWA; 340 mg/m ³ TWA
0000108–10–1	Methylisobutyl ketone	OSHA	100 ppm TWA; 410 mg/m ³ TWA75 ppm STEL; 300 mg/m ³ STEL
		ACGIH	50 ppm TWA75 ppm STEL
		NIOSH	50 ppm TWA; 205 mg/m ³ TWA75 ppm STEL; 300 mg/m ³ STEL500 ppm IDLH
		Supplier	No Established Limit

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		OHSA, CAN	50 ppm TWAEV; 205 mg/m3 TWAEV75 ppm STEV
		Mexico	50 ppm TWA; 205 mg/m3 TWA75 ppm STEL; 307 mg/m3 STEL
		Brazil	No Established Limit
0001317-38-0	Copper oxide	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	0.1 mg/m3 TWA (fume)
		Supplier	No Established Limit
		OHSA, CAN	No Established Limit
		Mexico	No Established Limit
		Brazil	No Established Limit
0001317-39-1	Copper oxide (Cu2O)	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
		OHSA, CAN	No Established Limit
		Mexico	No Established Limit
		Brazil	No Established Limit
0001330-20-7	Xylenes (o-, m-, p- isomers)	OSHA	100 ppm TWA; 435 mg/m3 TWA150 ppm STEL; 655 mg/m3 STEL
		ACGIH	100 ppm TWA150 ppm STEL
		NIOSH	No Established Limit
		Supplier	No Established Limit
		OHSA, CAN	100 ppm TWAEV; 435 mg/m3 TWAEV150 ppm STEV; 650 mg/m3 STEV
		Mexico	100 ppm TWA; 435 mg/m3 TWA150 ppm STEL; 655 mg/m3 STEL
		Brazil	78 ppm TWA; 340 mg/m3 TWA
0007440-50-8	Copper	OSHA	0.1 mg/m3 TWA (fume); 1 mg/m3 TWA (dust and mist)
		ACGIH	0.2 mg/m3 TWA (fume); 1 mg/m3 TWA (dust and mist, as Cu)
		NIOSH	1 mg/m3 TWA (dust and mist)100 mg/m3 IDLH (dust, fume and mist)
		Supplier	No Established Limit
		OHSA, CAN	0.2 mg/m3 TWAEV (fume); 1 mg/m3 TWAEV (dust and mist)
		Mexico	0.2 mg/m3 TWA (fume, as Cu); 1 mg/m3 TWA (dust and mist, as Cu)2 mg/m3 STEL (fume, as Cu); 2 mg/m3 STEL (dust and mist, as Cu)
		Brazil	No Established Limit
0008047-99-2	ETHYLTOLUENESULFONAMIDE	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
		OHSA, CAN	No Established Limit
		Mexico	No Established Limit
		Brazil	No Established Limit
0009003-22-9	Vinyl chloride-Vinyl acetate copolymer	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
		OHSA, CAN	No Established Limit
		Mexico	No Established Limit

	Brazil	No Established Limit
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Health Data

CAS No.	Ingredient	Source	Value
0000100-41-4	Benzene, ethyl-	NIOSH	Eye skin
0000108-10-1	Methylisobutyl ketone	NIOSH	Irritation liver
0001317-38-0	Copper oxide	NIOSH	No Established Limit
0001317-39-1	Copper oxide (Cu ₂ O)	NIOSH	No Established Limit
0001330-20-7	Xylenes (o-, m-, p- isomers)	NIOSH	Central nervous system depressant; respiratory and eye irritation
0007440-50-8	Copper	NIOSH	Upper respiratory irritation
0008047-99-2	ETHYLTOLUENESULFONAMIDE	NIOSH	No Established Limit
0009003-22-9	Vinyl chloride-Vinyl acetate copolymer	NIOSH	No Established Limit

Carcinogen Data

CAS No.	Ingredient	Source	Value
0000100-41-4	Benzene, ethyl-	OSHA	Select Carcinogen: Yes
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No; Group 4: No;
0000108-10-1	Methylisobutyl ketone	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0001317-38-0	Copper oxide	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0001317-39-1	Copper oxide (Cu ₂ O)	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0001330-20-7	Xylenes (o-, m-, p- isomers)	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;
0007440-50-8	Copper	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0008047-99-2	ETHYLTOLUENESULFONAMIDE	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0009003-22-9	Vinyl chloride-Vinyl acetate copolymer	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;

Respiratory

Select equipment to provide protection from the ingredients listed in Section 3 of this document. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates dust, vapor, or mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use. FOR USERS OF 3M RESPIRATORY PROTECTION ONLY: For information and assistance on 3M occupational health and safety products, call OH&ESD Technical Service toll free in U.S.A. 1-800-243-4630, in Canada call 1-800-267-4414. Please do not contact these numbers regarding other manufacturer's respiratory protection products. 3M does not endorse the accuracy of the information contained in this Material Safety Data Sheet.

Eyes

Avoid contact with eyes. Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 3 of this document. Depending on the site-specific conditions of use, safety glasses, chemical goggles, and/or head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded after each use.

Skin	Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 3 of this document. Depending on the site-specific conditions of use, protective gloves, apron, boots, head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded after each use.
Engineering Controls	Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation.
Other Work Practices	Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use good personal hygiene practices. Wash hands before eating, drinking, using toilet facilities, etc. Promptly remove soiled clothing and wash clothing thoroughly before reuse. Shower after work using plenty of soap and water.

9. Physical and chemical properties

Physical State	Liquid Coloured
pH	No Established Limit
Specific Gravity	2.34
Boiling Point F	175
Vapor Density	Heavier than air
VOC %	Refer to the Technical Data Sheet or label where information is available.
Evaporation Rate	Slower than ether

10. Stability and reactivity

General	This product is stable and hazardous polymerization will not occur. Not sensitive to mechanical impact. Excessive heat and fumes generation can occur if improperly handled.
Incompatible Materials	Strong oxidizing agents.
Hazardous Decomposition	May produce hazardous fumes when heated to decomposition as in welding. Fumes may produce Carbon Dioxide and Carbon Monoxide.

11. Toxicological information

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LD50, mg/L/4hr
Benzene, ethyl- - (0000100-41-4)	3,500.00, Rat - Category: 5	15,354.00, Rabbit - Category: NA	17.20, Rat - Category: 4
Methylisobutyl ketone - (0000108-10-1)	2,080.00, Rat - Category: 5	16,000.00, Rabbit - Category: NA	8.20, Rat - Category: 3
Copper oxide - (0001317-38-0)	-----	-----	-----
Copper oxide (Cu2O) - (0001317-39-1)	470.00, Rat - Category: 4	2,000.00, Rat - Category: 4	5.00, Rat - Category: 3
Xylenes (o-, m-, p- isomers) - (0001330-20-7)	4,300.00, Rat - Category: 5	1,700.00, Rabbit - Category: 4	29.08, rat - Category: NA
Copper - (0007440-50-8)	-----	-----	-----
ETHYLTOLUENESULFONAMIDE - (0008047-99-2)	-----	-----	-----
Vinyl chloride-Vinyl acetate copolymer - (0009003-22-9)	-----	-----	-----

General	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. No additional information provided for this product. See Sections 8 and 11 for chemical specific data.
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12. Ecological information

Not Defined

No additional information provided for this product. See Sections 8 and 11 for chemical specific data.

13. Disposal considerations

Dispose of in accordance with local, state and federal regulations. (Also reference RCRA information in Section 15 if listed).

14. Transport information

DOT (Domestic Surface Transportation)		IMO / IMDG (Ocean Transportation)	
DOT Proper Shipping Name	PAINT	IMDG Proper Shipping Name	PAINT
DOT Hazard Class	3	IMDG Hazard Class	3 – Flammable and Combustible liquid
UN / NA Number	UN 1263	UN / NA Number	UN 1263
DOT Packing Group	II	IMDG Packing Group	II
CERCLA/DOT RQ	78 gal. / 1511 lbs.	System Reference Code	28

15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory or are not required to be listed on the TSCA Inventory.

WHMIS Classification No Established Limit

DOT Marine Pollutants (10%):
(No Product Ingredients Listed)

DOT Severe Marine Pollutants (1%):
Copper

EPCRA 311/312 Chemicals and RQs (>.1%) :

Copper (5000 lb final RQ (no release reporting if the pieces are larger than 100 µm); 2270 kg)

Benzene, ethyl– (1000 lb final RQ; 454 kg final RQ)

Methylisobutyl ketone (5000 lb final RQ; 2270 kg final RQ)

Xylenes (o–, m–, p– isomers) (100 lb final RQ; 45.4 kg final RQ)

EPCRA 302 Extremely Hazardous (>.1%) :
(No Product Ingredients Listed)

EPCRA 313 Toxic Chemicals (>.1%) :

Copper

Benzene, ethyl–

Methylisobutyl ketone

Xylenes (o–, m–, p– isomers)

Mass RTK Substances (>1%) :

Copper

Benzene, ethyl–

Methylisobutyl ketone

Xylenes (o–, m–, p– isomers)

Mass Extraordinarily Haz Sub (>.01%) :
(No Product Ingredients Listed)

Penn RTK Substances (>1%) :

Copper

Benzene, ethyl–

Methylisobutyl ketone

Xylenes (o–, m–, p– isomers)

Penn Special Hazardous Substances (>.01%) :
(No Product Ingredients Listed)

Rhode Island Hazardous Substances (>.1%) :

Copper
Benzene, ethyl-
Methylisobutyl ketone
Silicon
Xylenes (o-, m-, p- isomers)

RCRA Status (%):

N.J. RTK Substances (>1%) :

Copper
Benzene, ethyl-
Methylisobutyl ketone
Xylenes (o-, m-, p- isomers)

N.J. Special Hazardous Substances (>.01%) :

Acetone
Benzene, ethyl-
Methylisobutyl ketone
Xylenes (o-, m-, p- isomers)

N.J. Env. Hazardous Substances (>.1%) :

Copper
Benzene, ethyl-
Methylisobutyl ketone
Xylenes (o-, m-, p- isomers)

Proposition 65 – Carcinogens (>0%):

Benzene, ethyl-
Nickel

Proposition 65 – Female Repro Toxins (>0%):
(No Product Ingredients Listed)

Proposition 65 – Male Repro Toxins (>0%):
(No Product Ingredients Listed)

Proposition 65 – Developmental Toxins (>0%):
(No Product Ingredients Listed)

Risk Phrases:

R11: Highly flammable.

R22: Harmful if swallowed.

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.