Material Safety Data Sheet
BAR−RUST 233H LV LOW VOC OFF WHITE PART A

Sales Order: {SalesOrd}

Bulk Sales Reference No.:	DC233F7824
MSDS Revision Date:	06/26/2012
MSDS Revision Number:	A0−2

International

1. Identification of the preparation and company

Product Identity	BAR−RUST 233H LV LOW VOC OFF WHITE PART A
Bulk Sales Reference No.	DC233F7824
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

Warning

GHS Classification;

Item	Category	Hazard
Flammability	3	Flammable liquid and vapor
Acute Toxicity (mouth)	5	May be harmful if swallowed
Acute Toxicity (skin)	Not classified	Not applicable
Acute Toxicity (inhalation)	Not classified	Not applicable
Acute Toxicity (ingestion)	Not classified	Not applicable
Skin corrosion/irritation	2	Causes skin irritation
Eye damage/irritation	2A	Causes serious eye irritation
Sensitization (respiratory)	Not classified	Not applicable
Sensitization (skin)	1	May cause allergic reaction.
Germ toxicity	Not classified	Not applicable
Specific target organ systemic toxicity (single exposure)	1	respiratory system
	2	Not applicable
	3	narcotic effects, respiratory tract irritation
Specific target organ systemic Toxicity (repeated exposure)	1	auditory apparatus, central nerve system, kidneys, respiratory system
	2	Not applicable
Aspiration hazard	Not classified	Not applicable
Harmfulness to aquatic Environment (acute)	3	Harmful to aquatic life.
	4	

Harmfulness to aquatic Environment (long term effect)		May cause harm to aquatic life with long lasting effects
Carcinogenicity	Not classified	Not applicable
Reproductive Toxicity	Not classified	Not applicable
Organic Peroxide	Not classified	Not applicable

Safety Phrases:

S1: Keep locked up.

S20: When using do not eat or drink.

S23: Do not breathe vapor/spray.

S24: Avoid contact with skin.

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.

S37: Wear suitable gloves.

S39: Wear eye/face protection.

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

S51: Use only in well−ventilated areas.

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

S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

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	Risk of serious damage to eyes. Do not get in 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 condition of use, safety glasses, chemical goggles, and/or head and face protection may be required to prevent contact. The equipment must be thouroughly cleaned, or discarded after each use.
Skin	Causes skin irritation. May cause delayed skin irritation. May cause allergic skin reaction. May be harmful if absorbed through the skin.
Ingestion	Harmful if swallowed. May cause abdominal pain, nausea, vomiting, diarrhea, or drowsiness.
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: 1 PPE: X

3. Composition/information on ingredients

Ingredient	CAS No.	Percent
Butanol	0000071−36−3	1.0 – 10
p−Chloro−a,a,a−trifluorotoluene	0000098−56−6	10 – 25
Benzene, ethyl−	0000100−41−4	0.10 – 1.0
Magnesium carbonate	0000546−93−0	1.0 – 10
Iron oxide	0001309−37−1	1.0 – 10
Wollastonite (Ca(SiO3))	0013983−17−0	1.0 – 10
Talc	0014807−96−6	10 – 25
Quartz	0014808−60−7	10 – 25
Bisphenol A − Epichlorohydrin	0025068−38−6	1.0 – 10
Reaction of epichlorohydrin and bisphenol A	0025085−99−8	10 – 25
Oxirane, mono[(C12−14−alkyloxy)methyl] derivs.	0068609−97−2	1.0 – 10

This product contains 20.33 percent Quartz.

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 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: 107 C: 42
Lower Explosive Limit (LEL)	.9 (%vol in air) at Normal Atmospheric Temp and Pressure
ERG Guide No.	Not Determined

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).
ERG Guide No.	Not Determined

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. Do not get in eyes, on skin or clothing. Close container after each use. Wash thoroughly after handling.

8. Exposure controls and personal protection

Exposure

CAS No.	Ingredient	Source	Value
0000071−36−3	Butanol	OSHA	100 ppm TWA; 300 mg/m3 TWA50 ppm Ceiling; 150 mg/m3 Ceiling
		ACGIH	20 ppm TWA
		NIOSH	50 ppm Ceiling; 150 mg/m3 Ceiling1400 ppm IDLH (10% LEL)
		Supplier	No Established Limit

		OHSA, CAN	20 ppm TWA
		Mexico	No Established Limit
		Brazil	No Established Limit
0000098−56−6	p−Chloro−a,a,a−trifluorotoluene	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
0000100−41−4	Benzene, ethyl−	OSHA	100 ppm TWA; 435 mg/m3 TWA125 ppm STEL; 545 mg/m3 STEL
		ACGIH	100 ppm TWA125 ppm STEL
		NIOSH	100 ppm TWA; 435 mg/m3 TWA125 ppm STEL; 545 mg/m3 STEL800 ppm IDLH (10% LEL)
		Supplier	No Established Limit
		OHSA, CAN	100 ppm TWA125 ppm STEL
		Mexico	100 ppm TWA; 435 mg/m3 TWA125 ppm STEL; 545 mg/m3 STEL
		Brazil	78 ppm TWA; 340 mg/m3 TWA
0000546−93−0	Magnesium carbonate	OSHA	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)
		ACGIH	No Established Limit
		NIOSH	10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)
		Supplier	No Established Limit
		OHSA, CAN	10 mg/m3 TWA (containing no Asbestos and
		Mexico	10 mg/m3 TWA20 mg/m3 STEL
		Brazil	No Established Limit
0001309−37−1	Iron oxide	OSHA	10 mg/m3 TWA (fume)
		ACGIH	5 mg/m3 TWA (respirable fraction)
		NIOSH	5 mg/m3 TWA (dust and fume, as Fe)2500 mg/m3 IDLH (dust and fume, as Fe)
		Supplier	No Established Limit
		OHSA, CAN	5 mg/m3 TWA (respirable)
		Mexico	5 mg/m3 TWA10 mg/m3 STEL (as Fe)
		Brazil	No Established Limit
0013983−17−0	Wollastonite (Ca(SiO3))	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
0014807−96−6	Talc	OSHA	No Established Limit
		ACGIH	2 mg/m3 TWA (particulate matter containing no asbestos and
		NIOSH	2 mg/m3 TWA (containing no Asbestos and
		Supplier	No Established Limit
		OHSA, CAN	2 mg/m3 TWA (containing no Asbestos and
		Mexico	2 mg/m3 TWA (respirable fraction)
		Brazil	No Established Limit

0014808−60−7	Quartz	OSHA	No Established Limit
		ACGIH	0.025 mg/m3 TWA (respirable fraction)
		NIOSH	0.05 mg/m3 TWA (respirable dust)50 mg/m3 IDLH (respirable dust)
		Supplier	No Established Limit
		OHSA, CAN	0.10 mg/m3 TWA (designated substance regulation, respirable)0.10 mg/m3 TWA (respirable fraction)
		Mexico	0.1 mg/m3 TWA (respirable fraction)
		Brazil	No Established Limit
0025068−38−6	Bisphenol A − Epichlorohydrin	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
0025085−99−8	Reaction of epichlorohydrin and bisphenol A	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
0068609−97−2	Oxirane, mono[(C12−14−alkyloxy)methyl] derivs.	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

Health Data

CAS No.	Ingredient	Source	Value
0000071−36−3	Butanol	NIOSH	Eye and mucous membrane irritation CNS depression
0000098−56−6	p−Chloro−a,a,a−trifluorotoluene	NIOSH	No Established Limit
0000100−41−4	Benzene, ethyl−	NIOSH	Eye skin
0000546−93−0	Magnesium carbonate	NIOSH	Skin mucous membrane
0001309−37−1	Iron oxide	NIOSH	Benign pneumoconiosis termed siderosis
0013983−17−0	Wollastonite (Ca(SiO3))	NIOSH	No Established Limit
0014807−96−6	Talc	NIOSH	(containing asbestos); Fibrotic pneumoconiosis; (containing no asbestos); Nonmalignant respiratory effects
0014808−60−7	Quartz	NIOSH	Chronic lung disease (silicosis)
0025068−38−6	Bisphenol A − Epichlorohydrin	NIOSH	No Established Limit
0025085−99−8	Reaction of epichlorohydrin and bisphenol A	NIOSH	No Established Limit
0068609−97−2	Oxirane, mono[(C12−14−alkyloxy)methyl] derivs.	NIOSH	No Established Limit

Carcinogen Data

CAS No.	Ingredient	Source	Value
0000071−36−3	Butanol	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;
0000098−56−6	p−Chloro−a,a,a−trifluorotoluene	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;
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;
0000546−93−0	Magnesium carbonate	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;
0001309−37−1	Iron oxide	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;
0013983−17−0	Wollastonite (Ca(SiO3))	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;
0014807−96−6	Talc	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;
0014808−60−7	Quartz	OSHA	Select Carcinogen: Yes
		NTP	Known: Yes; Suspected: No
		IARC	Group 1: Yes; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0025068−38−6	Bisphenol A − Epichlorohydrin	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;
0025085−99−8	Reaction of epichlorohydrin and bisphenol A	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;
0068609−97−2	Oxirane, mono[(C12−14−alkyloxy)methyl] derivs.	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;

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	Do not get in 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 condition of use, safety glasses, chemical goggles, and/or head and face protection may be required to prevent contact. The equipment must be thouroughly cleaned, or discarded after each use. 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	1.71
Boiling Point F	210
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 Decompostion	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
Butanol – (0000071−36−3)	790.00, Rat – Category: 4	3,400.00, Rabbit – Category: 5	17.70, Rat – Category: 4
p−Chloro−a,a,a−trifluorotoluene – (0000098−56−6)	13,000.00, Rat – Category: NA	2,700.00, Rabbit – Category: 5	33.00, Rat – Category: NA
Benzene, ethyl− – (0000100−41−4)	3,500.00, Rat – Category: 5	15,354.00, Rabbit – Category: NA	17.20, Rat – Category: 4
Magnesium carbonate – (0000546−93−0)	–––––	–––––	–––––
Iron oxide – (0001309−37−1)	10,000.00, Rat – Category: NA	–––––	–––––
Wollastonite (Ca(SiO3)) – (0013983−17−0)	–––––	–––––	–––––
Talc – (0014807−96−6)	–––––	–––––	–––––
Quartz – (0014808−60−7)	500.00, Rat – Category: 4	–––––	–––––
Bisphenol A – Epichlorohydrin – (0025068−38−6)	11,400.00, Rat – Category: NA	–––––	–––––
Reaction of epichlorohydrin and bisphenol A – (0025085−99−8)	–––––	–––––	–––––
Oxirane, mono[(C12−14−alkyloxy)methyl] derivs. – (0068609−97−2)	17,100.00, Rat – Category: NA	–––––	–––––

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.

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	CORROSIVE LIQUID,FLAMMABLE,N.O.S., (XYLENE, , POLYOTHYLENEPOLYAMINES)	IMDG Proper Shipping Name	CORROSIVE LIQUID,FLAMMABLE,N.O.S., (XYLENE, , POLYOTHYLENEPOLYAMINES)
DOT Hazard Class	8 (3)	IMDG Hazard Class	8 (3)
UN / NA Number	UN2920	UN / NA Number	UN2920
DOT Packing Group	III	IMDG Packing Group	III
CERCLA/DOT RQ	1149 gal. / 16404 lbs.	System Reference Code	996

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	B3:D2B

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

DOT Severe Marine Pollutants (1%):
(No Product Ingredients Listed)

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

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

Butanol (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%) :

Benzene, ethyl−

Butanol

Xylenes (o−, m−, p− isomers)

Mass RTK Substances (>1%) :

Iron oxide

Magnesium carbonate

Butanol

Quartz

Talc

Mass Extraordinarily Haz Sub (>.01%) :

Quartz

Penn RTK Substances (>1%) :

Iron oxide

Butanol
Quartz
Talc

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

Rhode Island Hazardous Substances (>.1%) :
2−Butoxyethanol
Benzene, ethyl−
Iron oxide
Magnesium carbonate
Butanol
Quartz
Talc
Xylenes (o−, m−, p− isomers)

RCRA Status:
(No Product Ingredients Listed)

N.J. RTK Substances (>1%) :
Iron oxide
Magnesium carbonate
Butanol
Quartz
Talc

N.J. Special Hazardous Substances (>.01%) :
2−Butoxyethanol
Benzene, ethyl−
Isobutyl alcohol
Butanol
Quartz
Xylenes (o−, m−, p− isomers)

N.J. Env. Hazardous Substances (>.1%) :
Benzene, ethyl−
Butanol
Xylenes (o−, m−, p− isomers)

Proposition 65 − Carcinogens (>0%):
Benzene, ethyl−
Quartz

Proposition 65 − Female Repro Toxins (>0%):
Benzene, methyl−

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

Proposition 65 − Developmental Toxins (>0%):
Benzene, methyl−

Risk Phrases:

R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R36/38: Irritating to eyes and skin.

R43: May cause sensitisation by skin contact.

R52/53: Harmful 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.