

SAFETY DATA SHEET

HAMMERITE No.1 RUSTBEATER AEROSOL

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

PRODUCT NAME: HAMMERITE No.1 RUSTBEATER AEROSOL

PART No.: 11297

SYNONYMS, TRADE NAMES: HAM RBA

SUPPLIER: Hammerite Products Ltd,
Prudhoe, Northumberland,
NE42 6LP

TEL: 01661-830000

FAX: 01661-835760

EMERGENCY TELEPHONE(S): 01661-830000

2 COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	EINECS No.	CAS No.	CONTENTS	SYMBOL	RISK (R No.)
XYLENE	215-535-7	1330-20-7	10-30 %	Xn	10, 20/21, 38
ETHYL METHYL KETOXIME	202-496-6	96-29-7	0-1 %	Xi	36, 43
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.	265-199-0	64742-95-6	1-5 %	N	10, 51/53, 66, 67
PROPYLBENZENE	202-704-5	98-82-8	0-1 %	Xn, N	10, 37, 51/53, 65
MESITYLENE	203-604-4	108-67-8	0-1 %	Xi, N	10, 37, 51/53
1,2,4-TRIMETHYLBENZENE	202-436-9	95-63-6	0-1 %	Xn, N	10, 20, 36/37/38, 51/53
DEAROMATISED WHITE SPIRIT	265-185-4	64742-48-9	5-10 %	Xn	10, 65, 66
ACETONE	200-662-2	67-64-1	10-30 %	F, Xi	11, 36, 66, 67
PROPANE	200-827-9	74-98-6	10-30 %	Fx	12
BUTANE	203-448-7	106-97-8	5-10 %	Fx	12
ISOBUTANE			1-5 %	Fx	12

The full text for all R-phrases are shown in section 16.

COMPOSITION COMMENTS: Oil modified alkyd containing organic / inorganic pigment, aromatic solvents, aliphatic solvents and hydrocarbon propellant. Solvent content depends on paint colour.

3 HAZARDS IDENTIFICATION

Extremely flammable.
Irritating to eyes.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Repeated exposure may cause skin dryness or cracking.
Vapours may cause drowsiness and dizziness.
The classification with regard to CHIP Notas H,J,K,L,M,N and P are applicable.

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4 FIRST AID MEASURES

GENERAL:	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
INHALATION:	Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Keep the affected person warm and at rest. Get prompt medical attention. Give nothing by mouth.
INGESTION:	Keep patient at rest and get medical attention. DO NOT INDUCE VOMITING!
SKIN:	Wash the skin immediately with soap and water. Remove contaminated clothing. Do not use solvent or thinners.
EYES:	Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention. Make sure to remove any contact lenses from the eyes before rinsing.

5 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:	Use Alcohol resistant foam. Carbon dioxide (CO2). Powder. Do not use water jet.
SPECIAL FIRE FIGHTING PROCEDURES:	Cool containers exposed to fire with water spray. Keep run-off water out of sewers and water sources. Dike for water control. Use full protective equipment including self-contained breathing apparatus. Over exposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent.
UNUSUAL FIRE & EXPLOSION HAZARDS:	May explode in a fire. Fire will produce dense black smoke containing hazardous products of combustion.
HAZARDOUS DECOMPOSITION PRODUCTS:	Vapors/gases/fumes of: of Carbon monoxide (CO). Carbon dioxide (CO2). Oxides of: Nitrogen.

6 ACCIDENTAL RELEASE MEASURES

PRECAUTIONS TO PROTECT ENVIRONMENT:	If the product enters drains or sewers the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency.
SPILL CLEANUP METHODS:	Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate well. Observe all safety precautions. Exclude non-essential personnel. Avoid breathing vapours. Absorb in vermiculite, dry sand or earth and place into containers. Confine spill. Do not allow product to enter drains. Clean area with detergent. Avoid using solvents.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS:	Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. To keep the airborne concentration below the OES when spray painting, or when working in confined spaces use mechanical exhaust ventilation, to control exposure if natural ventilation is insufficient.
STORAGE PRECAUTIONS:	Keep away from heat, sparks and open flame. Store in a cool, dry ventilated place. Aerosol cans: Must not be exposed for direct sunlight or temperatures above 50°C. Avoid direct sunlight. Keep in cool, dry, ventilated storage and closed containers. Keep away from children.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

INGREDIENT NAME	CAS No	STD	LT EXP (8 hrs)	ST EXP (15 min)
XYLENE	1330-20-7	OES	50 ppm(Sk)	100 ppm(Sk)
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.	64742-95-6	OES	50.00 ppm	
PROPYLBENZENE	98-82-8	OES	25 ppm(Sk)	50 ppm(Sk)
MESITYLENE	108-67-8		25 ppm	
1,2,4-TRIMETHYLBENZENE	95-63-6		25 ppm	
ACETONE	67-64-1	OES	500 ppm	1500 ppm
PROPANE	74-98-6		Asphyxiating	Asphyxiating

HAMMERITE No.1 RUSTBEATER AEROSOL

BUTANE

106-97-8

OES

600 ppm

750 ppm

PROTECTIVE EQUIPMENT:



RESPIRATORS:

Where good natural (or mechanical exhaust) ventilation is not practicable, suitable respiratory equipment must be worn.

PROTECTIVE GLOVES:

Chemical resistant gloves required for prolonged or repeated contact.

EYE PROTECTION:

Wear approved chemical safety goggles where eye exposure is reasonably probable.

HYGIENIC WORK ROUTINES:

Wash promptly with soap & water if skin becomes contaminated.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Aerosol. spray.	COLOUR:	Beige. or Brown.
ODOUR/TASTE:	Aromatic.		
SOLUBILITY DESCRIPTION:	Immiscible with water.	VAPOUR DENSITY (air=1):	2.10
VAPOUR PRESSURE:	545.00kPa @ 25 °C	EVAPORATION RATE:	N/D
AUTO IGNITION TEMPERATURE (°C):	410	FLAMMABILITY LIMIT (lower %):	1.80
FLAMMABILITY LIMIT (upper %):	10		

10 STABILITY AND REACTIVITY

STABILITY:

Normally stable.

CONDITIONS TO AVOID:

Fire/uncontrolled heat. High temperatures and direct sunlight.

MATERIALS TO AVOID:

Strong oxidizing agents. Strong reducing agents. Strong acids. Strong alkalis. to prevent the possibility of an exothermic reaction.

11 TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

There is no data available on the preparation itself. Exposure to organic solvent vapours may result in adverse health effects such as irritation of the mucous membrane and the respiratory system and adverse effects on the renal and central nervous systems. Symptoms include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated or prolonged contact with the product may lead to the removal of natural fats from the skin resulting in non-allergic contact dermatitis and absorption through the skin. and discomfort.

12 ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS:

There is no data on the preparation itself.

DEGRADABILITY:

No data available.

ACUTE FISH TOXICITY:

No data available.

WATER HAZARD CLASSIFICATION:

No data available. However see disposal considerations.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS:

Dispose of in accordance with Local Authority requirements. Do not pierce or burn. Do not allow the product to enter drains or water courses, or be deposited where it can affect ground or surface waters.

HAMMERITE No.1 RUSTBEATER AEROSOL

14 TRANSPORT INFORMATION

LABEL FOR CONVEYANCE:



ROAD:

UN No:	1950		
HAZARD CLASS (ADR):	Class 2: Gases; Compressed, liquefied or dissolved under pressure.		
ADR CLASS No:	2.1	ADR ITEM No:	5F
MARGINAL:	LQ2	HAZCHEM CODE:	5F
CEFIC TEC(R) No:	20G53	PROPER SHIPPING NAME I:	UN1950 AEROSOLS

RAIL:

SEA:

UN SEA:	UN1950	SEA TRANSPORT CLASS No:	2
EmS No.:	F-D, S-U	MARINE POLLUTANT:	No.

AIR:

UN AIR:	UN1950	AIR TRANSPORT CLASS No:	2.1
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15 REGULATORY INFORMATION

LABEL FOR SUPPLY:



EXTREMELY FLAMMABLE



IRRITANT

RISK PHRASES:

R-12	Extremely flammable.
R-36	Irritating to eyes.
R-52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R-66	Repeated exposure may cause skin dryness or cracking.
R-67	Vapours may cause drowsiness and dizziness.

SAFETY PHRASES:

P-14	Contains ETHYL METHYL KETOXIME. May produce an allergic reaction.
S-16	Keep away from sources of ignition - No Smoking.
S-2	Keep out of reach of children.
S-23B	Do not breathe vapour/spray.
S-24/25	Avoid contact with skin and eyes.
S-26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S-46	If swallowed seek medical advice immediately and show this container label.
S-51	Use only in well ventilated areas.

16 OTHER INFORMATION

USER NOTES:

DISCLAIMER: The information given in this document has been compiled on the basis of the best available knowledge. It does not imply that the information is complete or accurate in all cases. It is the users responsibility to satisfy themselves as to the application of the information and/or recommendations given for their own particular use. This Safety Data Sheet has been prepared in accordance with the EEC Directive 91/155/EEC. N/A = Not applicable. N/D = Not determined.

HAMMERITE No.1 RUSTBEATER AEROSOL

ISSUED BY: CM
REVISION DATE: 11/12/02
REVISION No. /REPLACES SDS ISSUED:
SDS No.: REV. No.: 1 REPL. SDS GEN.: 28/08/02 No.: 11297
11297
R-PHRASES (Full Text): R-10 Flammable.
R-11 Highly flammable.
R-12 Extremely flammable.
R-20 Harmful by inhalation.
R-36 Irritating to eyes.
R-37 Irritating to respiratory system.
R-38 Irritating to skin.
R-43 May cause sensitisation by skin contact.
R-20/21 Harmful by inhalation and in contact with skin.
R-36/37/38 Irritating to eyes, respiratory system and skin.
R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R-66 Repeated exposure may cause skin dryness or cracking.
R-67 Vapours may cause drowsiness and dizziness.
R-65 Harmful: may cause lung damage if swallowed.

SAFETY DATA SHEET STATUS: Approved.

SAFETY DATA SHEET

HAMMERITE No.1 RUSTBEATER

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

PRODUCT NAME: HAMMERITE No.1 RUSTBEATER

PART No.: 11354

SYNONYMS, TRADE NAMES: HAM RBB

SUPPLIER: Hammerite Products Ltd,
Prudhoe, Northumberland,
NE42 6LP

TEL: 01661-830000

FAX: 01661-835760

EMERGENCY TELEPHONE(S): 01661-830000

2 COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	EINECS No.	CAS No.	CONTENTS	SYMBOL	RISK (R No.)
XYLENE	215-535-7	1330-20-7	10-12 %	Xn	10, 20/21, 38
PROPYLBENZENE	202-704-5	98-82-8	0-1 %	Xn, N	10, 37, 51/53, 65
MESITYLENE	203-604-4	108-67-8	1-5 %	Xi, N	10, 37, 51/53
1,2,4-TRIMETHYLBENZENE	202-436-9	95-63-6	1-5 %	Xn, N	10, 20, 36/37/38, 51/53
C12/14 ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE		68391-01-5	1-5 %	C	22, 34
ISOBUTANOL		78-83-1	1-5 %	Xn	10, 20
DEAROMATISED WHITE SPIRIT	265-185-4	64742-48-9	10-30 %	Xn	10, 65, 66
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.	265-199-0	64742-95-6	5-10 %	N	10, 51/53, 66, 67

The full text for all R-phrases are shown in section 16.

COMPOSITION COMMENTS: Oil modified alkyd containing organic / inorganic pigment, aliphatic and aromatic solvents. Solvent content depends on paint type and colour.

3 HAZARDS IDENTIFICATION

Flammable.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Repeated exposure may cause skin dryness or cracking.
The viscosity of this preparation exempts any aspiration hazard.
The classification with regard to CHIP Notas H,J,K,L,M,N and P are applicable.

4 FIRST AID MEASURES

GENERAL: In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

INHALATION: Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Keep the affected person warm and at rest. Get prompt medical attention. Give nothing by mouth.

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INGESTION: Keep patient at rest and get medical attention. DO NOT INDUCE VOMITING!
SKIN: Remove contaminated clothing. Wash the skin immediately with soap and water. Do not use solvent or thinners.
EYES: Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

5 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use: Alcohol resistant foam. Carbon dioxide (CO₂). Powder. Do not use water jet.
SPECIAL FIRE FIGHTING PROCEDURES: Cool containers exposed to fire with water spray. Keep run-off water out of sewers and water sources. Dike for water control. Use full protective equipment including self-contained breathing apparatus. Over exposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent.
UNUSUAL FIRE & EXPLOSION HAZARDS: Fire will produce dense black smoke containing hazardous products of combustion.
HAZARDOUS DECOMPOSITION PRODUCTS: Vapors/gases/fumes of: of Carbon monoxide (CO). Carbon dioxide (CO₂). Oxides of: Nitrogen.

6 ACCIDENTAL RELEASE MEASURES

PRECAUTIONS TO PROTECT ENVIRONMENT: If the product enters drains or sewers the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency.
SPILL CLEANUP METHODS: Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Exclude non-essential personnel. Avoid breathing vapours. Absorb in vermiculite, dry sand or earth and place into containers. Confine spill. Do not allow product to enter drains. Clean area with detergent. Avoid using solvents.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS: Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. To keep the airborne concentration below the OES when spray painting, or when working in confined spaces use mechanical exhaust ventilation, to control exposure if natural ventilation is insufficient.
STORAGE PRECAUTIONS: Keep in cool, dry, ventilated storage and closed containers. Keep away from heat, sparks and open flame. Keep away from children.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

INGREDIENT NAME	CAS No	STD	LT EXP (8 hrs)	ST EXP (15 min)
XYLENE	1330-20-7	OES	50 ppm(Sk)	100 ppm(Sk)
PROPYLBENZENE	98-82-8	OES	25 ppm(Sk)	50 ppm(Sk)
MESITYLENE	108-67-8		25 ppm	
1,2,4-TRIMETHYLBENZENE	95-63-6		25 ppm	
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.	64742-95-6	OES	50.00 ppm	

PROTECTIVE EQUIPMENT:



RESPIRATORS: Where good natural (or mechanical exhaust) ventilation is not practicable, suitable respiratory equipment must be worn.
PROTECTIVE GLOVES: Chemical resistant gloves required for prolonged or repeated contact.
EYE PROTECTION: Wear eye protection if splashes are likely to occur.
HYGIENIC WORK ROUTINES: Wash promptly with soap & water if skin becomes contaminated.

HAMMERITE No.1 RUSTBEATER

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Viscous. Liquid.	COLOUR:	Beige. Brown.
ODOUR/TASTE:	Aromatic.		
SOLUBILITY DESCRIPTION:	Immiscible with water.	VAPOUR PRESSURE:	3.3 @ 20 °C
EVAPORATION RATE:	0.63(BuAc=1)	FLASH POINT (°C):	35
FLASH POINT METHOD:	CC (Closed cup).		
AUTO IGNITION TEMPERATURE (°C):	230	FLAMMABILITY LIMIT (lower %):	0.90
FLAMMABILITY LIMIT (upper %):	8.0		

10 STABILITY AND REACTIVITY

STABILITY:	Normally stable.
MATERIALS TO AVOID:	Strong oxidizing agents. Strong reducing agents. Strong acids. Strong alkalies. to prevent the possibility of an exothermic reaction.

11 TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:	There is no data available on the preparation itself. Exposure to organic solvent vapours may result in adverse health effects such as irritation of the mucous membrane and the respiratory system and adverse effects on the renal and central nervous systems. Symptoms include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated or prolonged contact with the product may lead to the removal of natural fats from the skin resulting in non-allergic contact dermatitis and absorption through the skin. and discomfort.
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12 ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS:	There is no data on the preparation itself.
WATER HAZARD CLASSIFICATION:	No data available. However see disposal considerations.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS:	Dispose of in accordance with Local Authority requirements. Do not allow the product to enter drains or water courses, or be deposited where it can affect ground or surface waters.
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14 TRANSPORT INFORMATION

LABEL FOR CONVEYANCE:	No transport warning sign required.		
ROAD:			
UN No:	1263		
HAZARD CLASS (ADR):	Class 3: Flammable liquids.	ADR CLASS No:	3
MARGINAL:	LQ7	HAZCHEM CODE:	F1
CEPIC TEC(R) No:	30G35	PROPER SHIPPING NAME I:	PAINT
ROAD TRANSPORT NOTES:	Viscous Flammable Liquid not subject to ADR in receptacles of less than 450 litres in accordance with ADR 2.2.3.1.5		
RAIL:			
SEA:			
UN SEA:	1263	SEA TRANSPORT CLASS No:	3
SEA PACK GR:	III	EmS No.:	F-E, S-E
MARINE POLLUTANT:			



HAMMERITE No.1 RUSTBEATER

SEA TRANSPORT NOTES:

Viscous Flammable Liquid not subject to testing packaging, marketing and labelling requirements of IMDG in receptacles of not more than 30 litres in accordance with IMDG 2.3.3.5
Vehicle placarding and documentation is required.

AIR:

UN AIR:

1263

AIR TRANSPORT CLASS No:

3

AIR PACK GR:

III

15 REGULATORY INFORMATION

RISK PHRASES:

R-10

Flammable.

R-52/53

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R-66

Repeated exposure may cause skin dryness or cracking.

SAFETY PHRASES:

P-14

Contains ETHYL METHYL KETOXIME. May produce an allergic reaction.

S-2

Keep out of reach of children.

S-23B

Do not breathe vapour/spray.

S-24/25

Avoid contact with skin and eyes.

S-26

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

S-46

If swallowed seek medical advice immediately and show this container label.

S-51

Use only in well ventilated areas.

16 OTHER INFORMATION

USER NOTES:

DISCLAIMER: The information given in this document has been compiled on the basis of the best available knowledge. It does not imply that the information is complete or accurate in all cases. It is the users responsibility to satisfy themselves as to the application of the information and/or recommendations given for their own particular use. This Safety Data Sheet has been prepared in accordance with the EEC Directive 91/155/EEC. N/A = Not applicable. N/D = Not determined.

ISSUED BY:

LH

REVISION DATE:

31/03/03

REVISION No. /REPLACES SDS ISSUED:

REV. No.: 1 REPL. SDS GEN.: 03/07/02 No.: 11289

SDS No.:

11354

R-PHRASES (Full Text):

R-10

Flammable.

R-20

Harmful by inhalation.

R-22

Harmful if swallowed.

R-34

Causes burns.

R-37

Irritating to respiratory system.

R-38

Irritating to skin.

R-20/21

Harmful by inhalation and in contact with skin.

R-36/37/38

Irritating to eyes, respiratory system and skin.

R-51/53

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R-66

Repeated exposure may cause skin dryness or cracking.

R-67

Vapours may cause drowsiness and dizziness.

R-65

Harmful: may cause lung damage if swallowed.

SAFETY DATA SHEET STATUS:

Approved.