

SAFETY DATA SHEET

UNDERBODY SEAL AEROSOL

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

PRODUCT NAME: UNDERBODY SEAL AEROSOL

PART No.: 11327

SYNONYMS, TRADE NAMES: HAM UBSA

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.)
WHITE SPIRIT		64742-82-1	30-60 %	Xn, N	10, 51/53, 65, 66
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: A blend of waxes, corrosion inhibitors, aliphatic solvents, bitumen and hydrocarbon propellant.

3 HAZARDS IDENTIFICATION

Extremely flammable.
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Repeated exposure may cause skin dryness or cracking.
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.

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.

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5 FIRE FIGHTING MEASURES

- EXTINGUISHING MEDIA:** Use: Alcohol resistant foam. Carbon dioxide (CO₂). Powder. Do not use water jet.
- SPECIAL FIRE FIGHTING PROCEDURES:** Keep run-off water out of sewers and water sources. Dike for water control. Cool containers exposed to fire with water spray. 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. May explode in a fire.

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. Spillages should be contained and covered with sand or other absorbent material to prevent the flow of liquid into drains, sewers, basements etc.
- 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 away from heat, sparks and open flame. Keep away from children. Keep in cool, dry, ventilated storage and closed containers.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

INGREDIENT NAME	CAS No	STD	LT EXP (8 hrs)	ST EXP (15 min)
WHITE SPIRIT	64742-82-1	OES	100.00 ppm	125.00 ppm
PROPANE	74-98-6		Asphyxiating	Asphyxiating
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 eye protection if splashes are likely to occur.
- HYGIENIC WORK ROUTINES:** Wash promptly with soap & water if skin becomes contaminated.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Aerosol. spray.	COLOUR:	Black.
ODOUR/TASTE:	Aromatic.	VAPOUR DENSITY (air=1):	2.10
SOLUBILITY DESCRIPTION:	Immiscible with water.		
VAPOUR PRESSURE:	545.00 @ 25 °C		

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EVAPORATION RATE: 63.00(EtEt=1)
AUTO IGNITION TEMPERATURE (°C): 410
FLAMMABILITY LIMIT (upper %): 10

FLAMMABILITY LIMIT (lower %): 1.8

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.
HAZARDOUS DECOMPOSITION PRODUCTS: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂). and oxides of nitrogen may be produced.

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: The product should not be allowed to enter drains or watercourses or be deposited where it can affect ground or surface water. The Air Pollution Control requirements of regulations made under the Environmental Protection Act may apply to the use of this product. Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.
WATER HAZARD CLASSIFICATION: See disposal considerations. 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.

14 TRANSPORT INFORMATION

LABEL FOR CONVEYANCE:



ROAD:

UN No: 1950
MARGINAL: LQ2
CEFIC TEC(R) No: 20G53

ADR CLASS No: 2.1
HAZCHEM CODE: 5F
PROPER SHIPPING NAME I: UN1950 AEROSOLS

RAIL:

SEA:

UN SEA: UN1950
EmS No.: F-D, S-U

SEA TRANSPORT CLASS No: 2

MARINE POLLUTANT:



UNDERBODY SEAL AEROSOL

AIR:
UN AIR:

UN1950

AIR TRANSPORT CLASS No: 2.1

15 REGULATORY INFORMATION

LABEL FOR SUPPLY:



EXTREMELY FLAMMABLE



DANGEROUS FOR
THE ENVIRONMENT

RISK PHRASES:	R-12	Extremely flammable.
	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.
SAFETY PHRASES:	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-29/56	Do not empty into drains, dispose of this material and its container to hazardous or special waste collection point.
	S-36/37	Wear suitable protective clothing and gloves.
	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: CM
REVISION DATE: 09/01/03
REVISION No. /REPLACES SDS ISSUED: REV. No.: N/A REPL. SDS GEN.: 15/05/02 No.: 11052

SDS No.: 11327
R-PHRASES (Full Text): R-10 Flammable.
R-12 Extremely flammable.
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-65 Harmful: may cause lung damage if swallowed.

SAFETY DATA SHEET STATUS: Approved.