

SAFETY DATA SHEET

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PRINT DATE: 29/10/1997

REF: HPA200H/S

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product name: HIGH PERFORMANCE ACRYLIC CONFORMAL COATING

Product code: HPA200H/S

Supplier: ELECTROLUBE
H.K. Wentworth Ltd.,
Wentworth House, Blakes Road,
Wargrave, Berkshire, RG10 8AW, United Kingdom.

Emergency telephone number: 0118 9404031 **Fax No:** 0118 9403084

2. COMPOSITION/INFORMATION ON INGREDIENTS

Identification of the preparation

Chemical Name	CAS-No	EC-No	Class	Weight %
BUTANE	106-97-8	203-448-7	F+; R12	< 35
METHYL ETHYL KETONE	78-93-3	201-159-0	F; R11 Xi; R36/37	< 25
TOLUENE	108-88-3	203-625-9	F; R11 Xn; R20	< 35
NON HAZARDOUS CONSTITUENTS				< 10

3. HAZARDS IDENTIFICATION

Most important hazards: Extremely flammable. Harmful.

Specific hazards Harmful by inhalation. Irritating to eyes, respiratory system and skin. Excessive exposures may affect human health, as follows: Liver and kidney injuries may occur; Blood disorder may occur after ingestion

4. FIRST AID MEASURES

General advice: Remove from exposure, lie down.

Inhalation: Move to fresh air in case of accidental inhalation of vapours. Consult a physician after significant exposure.

Skin contact: Wash off with soap and water. Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and badly.

Eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Ingestion: Immediately give large quantities of water to drink. Call a physician immediately.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Extinguish with carbon dioxide, dry chemical, foam or waterspray.

Extinguishing media which must not be used for safety reasons: high volume water jet

Specific hazards: Burning produces irritant fumes : Carbon monoxide, carbon dioxide (CO₂).

Special protective equipment for firefighters: Wear self contained breathing apparatus for fire fighting if necessary.

Specific methods: Water mist may be used to cool closed containers.

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Avoid contact with skin, eyes and clothing.
Environmental precautions:	Do not flush into surface water or sanitary sewer system.
Methods for cleaning up:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Shovel into suitable container for disposal.

7. HANDLING AND STORAGE

Handling:	Avoid contact with the skin and the eyes. When using, do not eat, drink or smoke. Do not breath vapours or spray mist.
Storage:	Store in original container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name:	National occupational exposure limits:
BUTANE	Long term (8 hrs) = 400ppm / 750mgm ⁻³ Short term (15 min) = 500ppm / 600mgm ⁻³
METHYL ETHYL KETONE	Long term (8 hrs) = 200ppm / 600mgm ⁻³ Short term (15 min) = 300ppm / 899mgm ⁻³
TOLUENE	Long term (8 hrs) = 50ppm / 191mgm ⁻³ Short term (15 min) = 150ppm / 574mgm ⁻³
NON HAZARDOUS CONSTITUENTS	

Engineering measures:	Ensure adequate ventilation, especially in confined areas.
Personal protection equipment:	
- Respiratory protection:	not required under normal use.
- Hand protection:	solvent-resistant gloves (butylrubber)
- Eye protection:	safety glasses with side-shields / goggles
- Skin and body protection:	Lab coat / lightweight protective clothing.
Hygiene measures:	Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	liquid	* Butane	
Colour:	white		
Boiling point/range:		< 0 *	°C
Melting point/range:		< -86.7	°C
Flash point:		< 0 *	°C
Autoignition temperature:		410 / 550	°C
Explosion limits:	- lower	1.8 *	vol. %
	- upper	10 *	vol. %
Vapour pressure:	(20 °C)	8.7 *	hPa
Relative density:	(20 °C)	>= 0.78	
		<= 0.90	
Solubility:			
Water solubility		immiscible	(g/l)

10. STABILITY AND REACTIVITY

Stability:	Stable.
Conditions to avoid:	Keep away from sources of ignition. Keep away from heat and sources of ignition.
Materials to avoid:	Acetylene

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Hazardous decomposition products: No decomposition if stored and applied as directed

11. TOXICOLOGICAL INFORMATION

Acute toxicity: Toluene: LD50/oral/rat = 500mg/kg
MEK: LD50/oral/rat = 3.98 mg/kg

Local effects: Harmful by inhalation. Irritating to eyes and skin.

Sensitization:

Long term toxicity: Prolonged skin contact may defat the skin and produce dermatitis

Chronic toxicity: Blood disorder may occur after ingestion

12. ECOLOGICAL INFORMATION

Mobility: Immiscible with water,

Persistence and degradability: Not readily biodegradable.

Bioaccumulation: not significant

Ecotoxicity effects: not significant

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: Contact waste disposal services.

Contaminated packaging: In accordance with local and national regulations.

14. TRANSPORT INFORMATION

UN-No: 1950

ADR/RID

Class: 2 **Item:** 5° F
HI/UN No: 1950

Proper shipping name: Aerosol dispensers

IMO

Class: 2 **IMDG Page:** 2102
EmS: 2-13 **MFAG:** 310

Proper shipping name: Aerosol dispensers

ICAO

Class: 2.1
Proper shipping name: Aerosols, flammable, n.o.s

15. REGULATORY INFORMATION

Classification according to European directive on classification of hazardous preparations 90/492/EEC

- Contains: TOLUENE

- Symbol(s):



F+ -
Extremely
flammable



Xn - Harmful

R-phrase(s): R12 - Extremely flammable. R20 - Harmful by inhalation. R36/37/38 - Irritating to eyes, respiratory system and skin..

S-phrase(s): S16 - Keep away from sources of ignition - No smoking. S25 - Avoid contact with eyes.. S33 - Take precautionary measures against static discharges..

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16. OTHER INFORMATION

Recommended use:

Recommended restrictions:

Revision number: 9

Further information: CN no: 38140090

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Department: Technical

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