SDSHM401

HYLOMAR UNIVERSAL BLUE
SAFETY DATA SHEET

Revision 08/2007

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

PRODUCT NAME : Hylomar Universal Blue

Supplied by :
ICI Paints,
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Berkshire,
SL2 5DS, U.K.

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INTENDED USE

ICI Paints' automotive products are intended for use in various automotive applications. Refer to product label for details of areas of use and methods of use.

2. HAZARDS IDENTIFICATION

This product has been assessed under the CHIP Regulations and is classified as follows:

Indication(s) of Danger

Harmful

Symbol Letter(s)

Xn

Category(ies) of Danger

Carcinogenic: Category 3

Warning Label Phrases

R40 Limited evidence of a carcinogenic effect.

Information on Occupational Exposure Limits is given in Section 8.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances presenting a physico-chemical, health or environmental hazard within the meaning of the CHIP Regulations or which are assigned occupational exposure limits.

EC No.	CAS No.	HAZARDOUS INGREDIENTS	%	CLASSIFICATION		
200-838-9	75-09-2	METHYLENE CHLORIDE	50-75	Xn	R40	Carc. Cat. 3
231-545-4	7631-86-9	SILICONE DIOXIDE, SYNTHETIC	2.5-10			

Note: The text for R phrase codes shown above (if any) is given in section 16.

Note: 'EC Number' if quoted is the EINECS or ELINCS number.

4. FIRST-AID MEASURES

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

INHALATION: Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped administer artificial respiration. Give nothing by mouth. If unconscious place in the recovery position. Seek medical advice.

EYE CONTACT: Remove contact lenses. Irrigate copiously with clean, fresh water for at least 10 minutes, holding lids apart. Seek medical advice.

SKIN CONTACT: Remove contaminated clothing, wash skin thoroughly with soap and water, or use a proprietary skin cleanser. Do not use solvents or thinners. Seek medical advice if symptoms persist.

INGESTION: If accidentally swallowed, DO NOT INDUCE VOMITING. Keep at rest and obtain medical attention.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Recommended - alcohol resistant foam, CO2, powders.
Not to be used - waterjet.
Recommendations : Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.
Fire fighters should wear self-contained breathing apparatus.
Closed containers exposed to fire should be cooled with water. Do not allow run-off from fire-fighting to enter drains or water-courses.

6. ACCIDENTAL RELEASE MEASURES

Exclude non-essential personnel.

Exclude sources of ignition and ventilate the area. Avoid breathing vapours. Refer to protective measures listed in section 8. Contain and collect spillage with non-combustible absorbent materials, eg sand, earth, vermiculite or diatomaceous earth, and place in container for disposal according to local regulations (see section 13). Do not allow to enter drains or watercourses. Clean preferably with a detergent; avoid use of solvents. If the product enters drains or sewers, immediately contact the local water company; in the case of contamination of streams, rivers or lakes, the relevant environment agency.

7. HANDLING AND STORAGE

HANDLING CONDITIONS: Prevent air-borne concentrations higher than the occupational exposure limits. Keep the container tightly closed. Exclude sources of heat, sparks and open flame. Avoid skin and eye contact. Avoid inhalation of vapour. Smoking, eating and drinking should be prohibited in storage and use areas. For personal protection, see Section 8. Always keep in containers made of the same material as the supply container, or in containers that are compatible with the product.

Use solvent resistant gloves (e.g. PVC or PVA) when handling material. Gloves should be changed regularly.

STORAGE CONDITIONS: Observe the label precautions. Store in a cool, dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorised access. Containers which are opened should be properly resealed and kept upright to prevent leakage.

The Manual Handling Operations Regulations 1993 may apply to the handling of certain Paint Products. Products packed in containers of 5 litres and above will be marked with a guide weight; refer to these weights when carrying out an assessment.

The principles contained in the HSE guidance note Storage of Packaged Dangerous Substances, should be observed when storing this product. Store separately from oxidising agents, strongly alkaline and strongly acidic materials, amines, alcohols and water.

SPECIFIC USE(s): Where applicable refer to the product label and literature for the application and use instructions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMIT VALUES

HAZARDOUS INGREDIENT	LTEL (8hr TWA) ppm	LTEL (8hr TWA) mg/m3	STEL (15 mins) ppm	STEL (15 mins) mg/m3	Notes
METHYLENE CHLORIDE	100	350	300	1060	WEL
SILICONE DIOXIDE, SYNTHETIC		2.4			WEL,rd

OEL - Occupational Exposure Limits
WEL - Workplace Exposure Limit
SUP - Manufacturer's recommended Limit
LTEL - Long-term Exposure Limit.
TWA - Time weighted Average
STEL - Short term Exposure Limit (15mins)
sk - Risk of absorption through unbroken skin
sen - Respiratory sensitiser
rd - Figure quoted is for Respirable dust
id - Figure quoted is for Inhalable dust
Further guidance on WELs and OELs, and on occupational exposure to harmful materials (including mixed exposures) is given in HSE Guidance Note EH40.

EXPOSURE CONTROLS
Before commencing work, ensure that a COSHH Assessment has been carried out. All personal protective equipment, including respiratory protective equipment, used to control exposure to hazardous substances must be selected to meet the requirements of local regulations.

RESPIRATORY PROTECTION: Avoid the inhalation of vapour, particulates and spray mist. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general ventilation. If this is not sufficient to maintain concentrations of particulates and solvent vapour below the occupational exposure limit, respiratory protection must be worn.

The selection of respiratory equipment should be in accordance with BS 4275. Recommendations for the selection, use and maintenance of Respiratory Equipment, and the current certificates of approval are issued annually by the Health and Safety Executive.

Because of the high volatility of the solvent, vapours from methylene chloride containing products, (eg paint strippers) do disperse widely into the workplace atmosphere, and the WEL can be easily exceeded especially in poorly ventilated areas such as garage inspection pits. In cases of doubt about the adequacy of local exhaust ventilation, air fed respiratory equipment should be used. All personnel in the work area should be so protected, whether working directly with the product or not. Water used for rinsing should be segregated and disposed of as `special waste'.

HAND PROTECTION: Wear suitable gloves for protection against materials in section 3.

When skin exposure may occur, advice should be sought from glove suppliers on appropriate types and usage times for this product. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed.

EYE PROTECTION: Eye protection designed to protect against liquid splashes should be worn.

SKIN PROTECTION: Cotton or cotton/synthetic overalls or coveralls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner.

ENVIRONMENTAL EXPOSURE CONTROLS: See section 12 for detailed information.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State :	Paste	
Flash Point :	Non Flash	
Initial Boiling Point :	39	°C
Specific Gravity :	1.320	
Water Miscibility :	No Information	
pH :	No Information	
Viscosity :	< 30	(ISO 6mm Range)

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Extremes of temperature.

MATERIALS TO AVOID: Keep away from oxidising agents, strongly alkaline and strongly acidic materials in order to avoid exothermic reactions.

HAZARDOUS DECOMPOSITION PRODUCTS: When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke and oxides of nitrogen.

This product contains Methylene Chloride which when exposed to high temperatures produces hazardous decomposition products such as Phosgene and Hydrogen Chloride. Decomposition starts at 120 degree Celcius.

11. TOXICOLOGICAL INFORMATION

There is no data available on the product itself. The product has been assessed following the conventional method in the CHIP Regulations and is classified for toxicological hazards accordingly. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact. See Sections 2 and 15 for details of the resulting hazard classification.

Over-exposures of vapour are irritating to eyes and respiratory system. Excessive concentrations may produce effects on the central nervous system including drowsiness. In extreme cases loss of consciousness may result. Long term exposure to vapour concentrations in excess of quoted OELs may result in adverse health effects. Splashes entering the eye will cause discomfort and possible damage. Prolonged contact with the skin may have a defatting effect which may lead to skin irritation and in some cases dermatitis.

In the case of methylene chloride the WEL has been set because there is evidence that even short term exposure to concentrations above the WEL can result in acute effects on the blood system. Methylene chloride is harmful by inhalation. Continued or high exposures by inhalation will cause anaesthetic effects. This may result in a loss of consciousness and could prove fatal.
Repeated exposure to high levels of methylene chloride may produce adverse effects on the liver and kidneys. Some tests on laboratory animals have shown methylene chloride to be carcinogenic. Well established species differences have shown this response to be of little relevance to man and that methylene chloride does not present a carcinogenic risk under forseeable conditions of handling and use.

12. ECOLOGICAL INFORMATION

There is no specific data available on the product itself.
The product should not be allowed to enter drains or watercourses or be deposited where it can affect ground or surface waters.
The Air Pollution Control requirements of regulations made under the Environmental Protection Act may apply to the use of this product.

Products classified as Marine Pollutants are indicated as such under Transport (section 14).

Products classified as Dangerous For the Environment are indicated as such in sections 2 and 15.

Any substances in the product that are classified as Dangerous for the Environment, present at concentrations above those requiring listing are given in section 3.

13. DISPOSAL CONSIDERATIONS

Wastes, including emptied containers, should be disposed of in accordance with national regulations.

CODES ACCORDING TO THE LIST OF WASTES REGULATIONS:

Product as supplied: Assigned as hazardous waste code 08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances.

Part-used containers, containing dried residues of the supplied product: Assigned as non-hazardous waste code 08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09.

Used containers, rigorously scraped out and containing dried residues of the supplied product: Assigned as non-hazardous waste code 15 01 02 plastic packaging OR non-hazardous waste code 15 01 04 metal packaging.

"Rigorously scraped out" means removing the maximum amount of product from the container by physical or mechanical means (draining or scraping) to leave a residue or contamination that cannot be removed by such means.

These codes have been assigned based on the actual composition of the product both as supplied and as dried residues. If mixed with other wastes, the waste codes quoted may not be applicable.

14. TRANSPORT INFORMATION

Transport within user's premises:
Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport to be in accordance with ADR for road, IMDG for sea. The transport classifications provided in this section are not valid for transport by Air. Please call the number in section 1 of this safety data sheet to obtain more information on this products classification for Air transport.

ADR Classification Information		**IMDG Classification Information**	
UN Number :	2810	UN Number :	2810
Proper Shipping Name :	TOXIC LIQUID, ORGANIC, N.O.S.	Proper Shipping Name :	TOXIC LIQUID, ORGANIC, N.O.S.
Hazard Class :	6.1	Hazard Class :	6.1
Sub-Hazard Class :		Sub-Hazard Class :	
Packing Group :	III	Packing Group :	III
Technical Name (NOS only) :	METHYLENE CHLORIDE	Technical Name (NOS only) :	METHYLENE CHLORIDE
Ltd Qty Code :	LQ19	Ltd Qty Maximum :	5.0 litres
Packing Instructions :	P001	Packing Instructions :	P001
		Marine Pollutant if indicated here:	
		Emergency Schedule No :	F-A,S-A
		Flashpoint :	Non Flash

15. REGULATORY INFORMATION

This product has been assessed under the CHIP Regulations and is classified as follows:

NAMED SUBSTANCES

Contains

METHYLENE CHLORIDE

INDICATION(S) OF DANGER

Harmful

SYMBOLS LETTER(S)

Xn

WARNING LABEL PHRASES:

R40	Limited evidence of a carcinogenic effect.
S51	Use only in well-ventilated areas.
S23	Do not breathe vapour.
S36/37	Wear suitable protective clothing and gloves.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S2	Keep out of the reach of children.
S13	Keep away from food, drink and animal feedingstuffs.
S46	If swallowed, seek medical advice immediately and show this container or label.
J64	If not already flammable, then during use this material can become flammable.

Where 'J'and/or 'P' phrases are denoted, these are ICI Paints or paint industry reference codes to additional phrases.

16. OTHER INFORMATION

Text for R Phrases shown in section 3 describing each ingredient:

R40	Limited evidence of a carcinogenic effect.

The information in this safety data sheet is required in pursuant to the CHIP Regulations.

Other Reference: The Control of Substances Hazardous to Health Regulations (COSHH). You should satisfy yourself that your COSHH Assessment is in accordance with the COSHH Regulations and Approved Code of Practice. ICI does not accept any

responsibility for your COSHH Assessment.

The information on this sheet is not a specification: it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product nor where instructions and recommendations are not followed.

We will be pleased to answer any specific enquiries regarding the safe use, storage and handling of our product.
Contact: ICI PAINTS Technical Group, Wexham Road, Slough, Berks. SL2 5DS
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REVISION 08/2007: CHANGES TO ALL SECTIONS COMPARED WITH PREVIOUS VERSION, NAMED “HYLOMAR UNIVERSAL BLUE ALL GRADES”, DATED 12/03/02, WHICH IS NOW SUPERSEDED.