

Product Safety Data Sheet for 101

1. IDENTIFICATION of the SUBSTANCE/PREPARATION and COMPANY/UNDERTAKING

PRODUCT NAME	C/A THINNER
INTENDED USE	For mixing with the appropriate paint. For Professional Use ONLY.
SUPPLIER	CARRS PAINTS WESTMINSTER WORKS ALVECHURCH ROAD BIRMINGHAM B31 3PG
Emergency Tele.	0121 243 1122

2. COMPOSITION/INFORMATION of INGREDIENTS

A mixture of organic solvents.

Substances presenting a Health or Environmental hazard within the meaning of the Chemicals (Hazard Information & Packaging) Regulations 1994 as amended.

Substance Name	CAS No.	EINEC No.	Conc.Range	Symbols	Risk Phrases*
N-BUTANOL	71-36-3	200-751-6	75 - 100	Xn,Xi	22-37/38-41-67

T+=Very Toxic T=Toxic Xn=Harmful C=Corrosive Xi=Irritant E=Explosive O=Oxidising F+=Extremely Flammable
F=Highly Flammable N=Environmentally Hazardous

* For details of Risk Phrases see Section 16

3. HAZARDS IDENTIFICATION

HAZARDS



Harmful



Irritant to Skin

RISKS

Flammable
Harmful if swallowed
Risk of serious damage to eyes.
Harmful by inhalation, in contact with skin and may cause lung damage if swallowed
Irritating to eyes, respiratory system and skin.

OTHER INFORMATION

Inhalation of vapours from this product can cause narcosis and, with continued exposure above the OEL, possible long term effects.

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

Remove to fresh air, keep warm and at rest. If breathing is irregular or stopped give artificial respiration. Give nothing by mouth. If unconscious place in recovery position and seek medical advice.

EYE CONTACT

Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 mins. holding the eyelids apart, seek medical advice.

SKIN CONTACT

Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. Do NOT use solvents or thinners.

INGESTION

If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

RECOMMENDED Carbon-Dioxide, Dry Powder, Sand, Foam.

DO NOT USE Water.

FIRE FIGHTING INSTRUCTIONS

Fire will produce dense black smoke containing hazardous products of combustion (see Section 10). Decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required. Cool closed containers exposed to fire with a water spray. Do not allow run off from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Exclude sources of ignition and ventilate the area. Exclude non-essential personnel. Avoid breathing vapours. Refer to protective measures listed in sect. 7&8. Contain and collect spillages with non-combustible absorbent materials e.g. sand, earth and place in suitable container for disposal in accordance with the waste regulations Do not allow to enter drains or water courses. If it does the local water company should be contacted immediately, in case of contamination of streams rivers or lakes the Environmental Agency. Clean preferably with a detergent, avoid use of solvents.

7. STORAGE AND HANDLING

STORAGE PRECAUTIONS

Store in accordance with the HSE Guidance note "Storage of Flammable Liquids in Containers" HS(G)51. Observe the label precautions. Store between 5 & 25°C in a 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. Store away from oxidising agents and strongly alkaline or acid materials. The store room should be marked "Flashpoint below 32°C" in accordance with "The Highly Flammable Liquids and Liquefied Petroleum Gases Regulations 1972 S.I. No 917 (1972) Sections 5 and 6.

HANDLING PRECAUTIONS

Vapours are heavier than air and may spread along floors. They may form explosive mixtures with air. Prevent creation of explosive or flammable mixtures and avoid vapour concs higher than the OEL Do not use in areas where potential sources of ignition exist. Electrical equipment should be protected to the appropriate standard. Use non sparking tools & exclude sources of heat, sparks & flames Keep container tightly closed. Never use pressure to empty, container is not a pressure vessel. Always keep in containers made of the same material as the supply container. Avoid skin & eye contact. For personal protection see Sect.8. Good housekeeping, regular maintenance of spray booth filters, and regular removal of waste materials will minimise risks. The product may charge electrostatically, Use earthing leads when transferring from one container to another. Wear anti-static footwear and clothing & floors should be electrically conductive. The accumulation of contaminated rags and dry overspray, particularly in spray booth filters may result in spontaneous combustion

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS

Substance Name	L T E L		S T E L		Notes*
	p.p.m.	mgm/m3	p.p.m.	mgm/m3	
N-BUTANOL OEL's are ISO-BUTANOL			50	154	Sk, OES

NOTES* Sk =risk of absorption through skin
MEL = Maximum Exposure Limit

Sen =Respiratory Sensitizer
OES = Occupational Exposure Standard

OEL's are from EH40 except where marked SUP which are assigned by the supplier of the substance

ENGINEERING MEASURES	Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If extraction methods are insufficient to maintain concentrations of particulates and/or solvent vapours below relevant OEL's, suitable respiratory protective equipment should be worn.
GENERAL PRECAUTIONS	All ppe, including rpe, used to control exposure to hazardous substances must be selected to meet the requirements of the COSHH regulations.
RESPIRATORY PROTECTION	Air fed respiratory equipment should be worn when spraying if levels cannot be controlled below OELs and engineering methods cannot be reasonably improved.
HAND PROTECTION	Full physical protection is best. Seek relevant advice from glove manufacturers. Barrier cream may be of help but should not be applied after exposure has occurred.
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 & water or a proprietary skin cleaner.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Mobile Liquid
Flash Point	=> 0°C & <= 55°C Determination Method: Equilibrium Method to ISO 1516 & ISO 3680
Specific Gravity	.811 Determination Method: Calculation
Vapour Density	HEAVIER than AIR
V.O.C. Content	.811Kgs/lt.
Lower Explosion Limit	.8% vol
Solubility in Water	PARTIALLY MISCIBLE

10. STABILITY AND REACTIVITY

Stable under the recommended storage & handling conditions (see Sect.7). In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, and oxides of nitrogen may be produced. Keep away from oxidising agents and strongly alkaline and acid materials to prevent the possibility of an exothermic reaction.

11. TOXICOLOGICAL INFORMATION

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

12. ECOLOGICAL INFORMATION

There is no data available on the product itself. The product should not be allowed to enter drains or water courses 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.

13. DISPOSAL CONSIDERATIONS

Do not allow into drains or water courses or dispose of where ground or surface waters may be affected. Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution & Environmental Protection Acts.

14. TRANSPORT INFORMATION

Domestic Road / Rail

UN Number	1120
Packing Group	III
Class	3.3
Designation	BUTANOLS

Sea

UN Number	1120
Class	3.3
Packing Group <=30 Its.	III
Packing Group > 30 Its.	III
Marine Pollutant	No
Main Risk	FLAMMABILITY
Sub Risk	NARCOSIS
Shipping Name	BUTANOLS

Air

UN / IATA No	1120
Class	3.3
Packing Group <=30 Its.	III
Packing Group > 30 Its.	III
Main Risk	FLAMMABILITY
Sub Risk	NARCOSIS
Shipping Name	BUTANOLS

International Road / Rail

Item Number	31.C
Class	3
UN Number	1120
Packing Group	III
Main Risk	FLAMMABILITY
Sub Risk	NARCOSIS
Chemical Name	BUTANOLS

15. REGULATORY INFORMATION

Classification



Harmful

Contains

N-BUTANOL

Risk Phrases

R10: Flammable

R22: Harmful if swallowed

R41: Risk of serious damage to eyes.

	R20/21/65: Harmful by inhalation, in contact with skin and may cause lung damage if swallowed
	R36/37/38: Irritating to eyes, respiratory system and skin.
Safety Phrases	S13: Keep away from food, drink and animal feeding stuffs
	S25: Avoid contact with the eyes
	S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
	S28: After contact with skin, wash immediately with plenty of water.
	S43: In case of fire do not use water.
	S7/9: Keep container tightly closed and in a well ventilated place
	S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.
"P" Phrases	Do not breathe Vapour or Spray
	FOR USE IN INDUSTRIAL INSTALLATIONS ONLY
Statutory Instruments	Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.
Approved Code of Practice	Classification and Labelling of Substances and Preparations Dangerous for Supply.
Guidance Notes	Occupational Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

16. OTHER INFORMATION

Text of Risk Phrases listed in Section 2	R22	Harmful if swallowed
	R37/38	Irritating to respiratory system and skin.
	R41	Risk of serious damage to eyes.
	R67	Vapours may cause drowsiness and dizziness
Date of Origination	2/07/04	
Date of Last Revision	2/07/04	

The information contained in this safety data sheet is provided in accordance with the requirements of the Chemicals (Hazard Information & Packaging) Regulations. The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control the user is responsible for ensuring that the requirements of relevant legislation are complied with. TP-08

The information contained in this Safety Data Sheet is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

Further information and relevant advice can be found in:-

The Control Of Substances Hazardous to Health Regulations 1988 (SI 1988: 1657)

The Manual Handling Operations Regulations 1992 (SI 1992: 2793)

Storage of Flammable Liquids in Containers. HS(G)51

Storage of Packaged Dangerous Substances. HS(G)71

The Environmental Protection (Duty of Care) Regulations 1992 (SI 1988: 2839)