



**SAFETY DATA SHEET
METASYN FIRMING**

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME METASYN FIRMING
 PRODUCT NO. 121013
 SUPPLIER Dodge Company Ltd,
 Units 11/15 Ardglan Industrial
 Estate,
 Whitchurch, Hampshire,
 RG28 7BB, United Kingdom
 44 (0)1256-893883
 44 (0)1256-893868

2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
FORMALDEHYDE ...%	200-001-8	50-00-0	28.21%	Carc3;R40 T;R23/24/25 C;R34 R43
METHANOL	200-659-6	67-56-1	10-30%	F;R11 T;R23/24/25,R39/23/24/25

The Full Text for all R-Phrases are Displayed in Section 16

3 HAZARDS IDENTIFICATION

Causes burns. Irritating to respiratory system. Limited evidence of a carcinogenic effect. May cause sensitisation by skin contact. Toxic by inhalation, in contact with skin and if swallowed. Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
 CLASSIFICATION T;R23/24/25, R39/23/24/25. Carc 3;R40. C;R34. Xi;R37. R43.

4 FIRST-AID MEASURES

INHALATION
 Move the exposed person to fresh air at once. Get medical attention. Provide rest, warmth and fresh air. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.

INGESTION
 DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Remove victim immediately from source of exposure. Drink plenty of water. Get medical attention immediately! Provide rest, warmth and fresh air.

SKIN CONTACT
 Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention immediately.

EYE CONTACT
 Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention immediately. Continue to rinse.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA
 Use fire-extinguishing media appropriate for surrounding materials.

SPECIAL FIRE FIGHTING PROCEDURES
 Move container from fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out.

SPECIFIC HAZARDS
 Fire creates: Toxic gases/vapours/fumes of Carbon monoxide (CO). Carbon dioxide (CO2).

6 ACCIDENTAL RELEASE MEASURES

SPILL CLEAN UP METHODS
 Wear necessary protective equipment. Ventilate well. Stop leak if possible without risk. DO NOT touch spilled material. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Do not let washing down water contaminate ponds or waterways. Wash thoroughly after dealing with a spillage.

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7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Provide good ventilation. Avoid inhalation of vapours.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

STORAGE CLASS

Toxic storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
FORMALDEHYDE ...%	WEL	2 ppm	2.5 mg/m3	2 ppm	2.5 mg/m3
METHANOL	WEL	200 ppm(Sk)	266 mg/m3(Sk)	250 ppm(Sk)	333 mg/m3(Sk)

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

HAND PROTECTION

Use protective gloves.

EYE PROTECTION

Use eye protection.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid	RELATIVE DENSITY	1.075-1.085 @ 20 °c
COLOUR	Orange	VOLATILE BY VOL. (%)	97
ODOUR	Pungent	FLASH POINT (°C)	60 CC (Closed cup).
SOLUBILITY	Soluble in water	FLAMMABILITY LIMIT - UPPER(%)	73
BOILING POINT (°C)	95-97 760 mm Hg		
VAPOUR DENSITY (air=1)	>1		
pH-VALUE, CONC. SOLUTION	8.0-9.2		
FLAMMABILITY LIMIT - LOWER(%)	7		

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid contact with acids and alkalis. Avoid contact with strong oxidisers. Avoid contact with strong reducing agents.

11 TOXICOLOGICAL INFORMATION

INHALATION

Toxic by inhalation. Prolonged inhalation of high concentrations may damage respiratory system. May cause irritation to the respiratory system. High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.

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INGESTION

Toxic if swallowed. Causes burns. May cause discomfort if swallowed. May cause stomach pain or vomiting. Swallowing concentrated chemical may cause severe internal injury.

SKIN CONTACT

Toxic in contact with skin. Causes burns. May cause sensitisation by skin contact. Prolonged contact may cause dryness of the skin.

EYE CONTACT

Irritating to eyes. Contact with concentrated chemical may very rapidly cause severe eye damage, possibly loss of sight.

HEALTH WARNINGS

Prolonged inhalation of high concentrations may damage respiratory system. Prolonged or repeated exposure may cause severe irritation.

The product causes irritation of mucous membranes and may cause abdominal discomfort if swallowed.

Other Health Effects

Carcinogen Category 3.

MEDICAL CONSIDERATIONS

Allergies. Skin disorders and allergies. History of smoking.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Not known.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION



UK ROAD CLASS	8		
PROPER SHIPPING NAME	FORMALDEHYDE SOLUTION		
UN NO. ROAD	2209	UK ROAD PACK GR.	III
ADR CLASS NO.	8	ADR CLASS	Class 8: Corrosive substances.
ADR PACK GROUP	III	HAZARD No. (ADR)	80
ADR LABEL NO.	8	HAZCHEM CODE	2Z
CEFIC TEC(R) NO.	80GC9-II+III	RID CLASS NO.	8
RID PACK GROUP	III	UN NO. SEA	2209
IMDG CLASS	8	IMDG PAGE NO.	8
IMDG PACK GR.	III	EMS	F-A, S-B
MFAG	See Guide	MARINE POLLUTANT	No.
UN NO. AIR	2209	AIR CLASS	8
AIR PACK GR.	III		

15 REGULATORY INFORMATION

LABELLING



Toxic



Corrosive

CONTAINS FORMALDEHYDE 28.21%
METHANOL

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RISK PHRASES

R34	Causes burns.
R37	Irritating to respiratory system.
R40	Limited evidence of a carcinogenic effect.
R43	May cause sensitisation by skin contact.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

SAFETY PHRASES

P11	Restricted to professional users.
S25	Avoid contact with eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S27	Take off immediately all contaminated clothing.
S38	In case of insufficient ventilation, wear suitable respiratory equipment.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
S24/25	Avoid contact with skin and eyes.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S1/2	Keep locked up and out of the reach of children.
S60	This material and its container must be disposed of as hazardous waste.

ENVIRONMENTAL LISTING

Rivers (Prevention of Pollution) Act 1961. Control of Pollution (Special Waste Regulations) Act 1980.

EU DIRECTIVES

System of specific information relating to Dangerous Preparations. 2001/58/EC.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

16 OTHER INFORMATION

INFORMATION SOURCES

Dangerous Properties of Industrial Materials Report, N.Sax et.al.

REVISION DATE

May 2007

RISK PHRASES IN FULL

R11	Highly flammable.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R34	Causes burns.
R37	Irritating to respiratory system.
R39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R40	Limited evidence of a carcinogenic effect.
R43	May cause sensitisation by skin contact.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.