

**SAFETY DATA SHEET**  
**R210 HEAVY DUTY ADHESIVE**



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

PRODUCT NAME **R210 HEAVY DUTY ADHESIVE**  
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**2 COMPOSITION/INFORMATION ON INGREDIENTS**

Name	EC No.	CAS-No.	Content	Classification
BUTANE	203-448-7	106-97-8	10-30%	F+;R12
BUTANONE	201-159-0	78-93-3	5-10%	F;R11 Xi;R36 R66 R67
DICHLOROMETHANE	200-838-9	75-09-2	30-60%	Carc3;R40
ISOBUTANE	200-857-2	75-28-5	5-10%	F+;R12
PROPANE	200-827-9	74-98-6	10-30%	F+;R12

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

**3 HAZARDS IDENTIFICATION**

Extremely flammable. Limited evidence of a carcinogenic effect.

CLASSIFICATION Carc 3;R40. F+;R12.

**4 FIRST-AID MEASURES**

**INHALATION**

Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention.

**INGESTION**

DO NOT INDUCE VOMITING! Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Get medical attention if any discomfort continues.

**SKIN CONTACT**

Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

**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. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

**5 FIRE-FIGHTING MEASURES**

**EXTINGUISHING MEDIA**

Use: Powder. Dry chemicals, sand, dolomite etc.

**SPECIAL FIRE FIGHTING PROCEDURES**

Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours.

**UNUSUAL FIRE & EXPLOSION HAZARDS**

Aerosol cans may explode in a fire. Fire causes formation of toxic gases.

**6 ACCIDENTAL RELEASE MEASURES**

**SPILL CLEAN UP METHODS**

Wear necessary protective equipment. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Let evaporate. Keep out of confined spaces because of explosion risk. If leakage cannot be stopped, evacuate area.

**7 HANDLING AND STORAGE**

**USAGE PRECAUTIONS**

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

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## STORAGE PRECAUTIONS

Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
PROPANE		Asphyxiating	Asphyxiating	Asphyxiating	Asphyxiating
BUTANE	WEL	600 ppm	1450 mg/m3	750 ppm	1810 mg/m3
DICHLOROMETHANE	WEL	100 ppm(Sk)	350 mg/m3(Sk)	300 ppm(Sk)	1060 mg/m3(Sk)
BUTANONE	WEL	200 ppm(Sk)	600 mg/m3(Sk)	300 ppm(Sk)	899 mg/m3(Sk)
ISOBUTANE	WEL	800 ppm		800 ppm	

## INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

## PROTECTIVE EQUIPMENT



## ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

## RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Workplace Exposure Limit. Use chemical cartridge protection with appropriate cartridge.

## 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. When using do not eat, drink or smoke.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Aerosol		
COLOUR	Typical		
ODOUR	Chlorinated hydrocarbons.		
SOLUBILITY	Insoluble in water		
FLAMMABILITY LIMIT - LOWER(%)	0.8	FLAMMABILITY LIMIT - UPPER(%)	22.0

**10 STABILITY AND REACTIVITY**

## STABILITY

Stable under normal temperature conditions.

## CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition. Avoid contact with: Strong oxidising agents. Strong alkalis. Strong mineral acids.

## HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Phosgene (COCl<sub>2</sub>).**11 TOXICOLOGICAL INFORMATION**

## GENERAL INFORMATION

Known or suspected carcinogen for humans.

## R210 HEAVY DUTY ADHESIVE

**INHALATION**

Vapours may cause headache, fatigue, dizziness and nausea. High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting. Anaesthetic in high concentrations. Central nervous system depression. Harmful: possible risk of irreversible effects through inhalation.

**INGESTION**

May cause discomfort if swallowed. May cause stomach pain or vomiting.

**SKIN CONTACT**

Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Prolonged or repeated exposure may cause severe irritation. Possible risk of irreversible effects.

**EYE CONTACT**

Irritation of eyes and mucous membranes. May cause chemical eye burns. Irritation, burning, lachrymation, blurred vision after liquid splash.

**Other Health Effects**

Carcinogen Category 3.

**ROUTE OF ENTRY**

Inhalation. Skin and/or eye contact.

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**12 ECOLOGICAL INFORMATION**

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**ECOTOXICITY**

Dangerous for the environment if discharged into watercourses.

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**13 DISPOSAL CONSIDERATIONS**

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**DISPOSAL METHODS**

Empty containers must not be burned because of explosion hazard. Dispose of waste and residues in accordance with local authority requirements.

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**14 TRANSPORT INFORMATION**

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UK ROAD CLASS	<b>2</b>		
PROPER SHIPPING NAME	AEROSOLS		
UN NO. ROAD	1950	UK ROAD PACK GR.	N/A
ADR CLASS NO.	<b>2</b>	ADR CLASS	Class 2: Gases
ADR PACK GROUP	N/A	ADR LABEL NO.	2.1 & 6.1
CEFIC TEC(R) NO.	20G5T, 20G5TF, 20G5TC, 205TO, 20G5TFC, 20G5TOC	RID CLASS NO.	<b>2</b>
RID PACK GROUP	N/A	UN NO. SEA	1950
IMDG CLASS	<b>2</b>	IMDG PACK GR.	N/A
EMS	F-D, S-U	MFAG	See Guide
MARINE POLLUTANT	No.	UN NO. AIR	1950
AIR CLASS	2.1	AIR SUB CLASS	6.1
AIR PACK GR.	N/A		

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**15 REGULATORY INFORMATION**

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**LABELLING**



Harmful



Extremely Flammable

**CONTAINS**

DICHLOROMETHANE

**RISK PHRASES**

R12

Extremely flammable.

**R210 HEAVY DUTY ADHESIVE**

R40	Limited evidence of a carcinogenic effect.
SAFETY PHRASES	
S16	Keep away from sources of ignition - No smoking.
S23	Do not breathe vapour/spray.
S36/37	Wear suitable protective clothing and gloves.
S2	Keep out of the reach of children
S51	Use only in well-ventilated areas.

UK REGULATORY REFERENCES

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002.

The Control of Substances Hazardous to Health Regulations 2002.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations.

GUIDANCE NOTES

Workplace Exposure Limits EH40.

CHIP for everyone HSG(108).

**16 OTHER INFORMATION**

REVISION DATE 07/09/2006

REV. NO./REPL. SDS GENERATED 4

RISK PHRASES IN FULL

R11	Highly flammable.
R12	Extremely flammable.
R36	Irritating to eyes.
R40	Limited evidence of a carcinogenic effect.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

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.