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MATERIAL SAFETY DATA SHEET

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1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Tradename:
SCOTCH-WELD BRAND CYANOACRYLATE ADHESIVE B20 (B210)

3M Product ID:
FS-9100-0320-1 FS-9100-0319-3 GS-2000-1918-9
GS-2000-1919-7

2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name and classification	CAS number	Percentage
ETHYL CYANOACRYLATE	7085-85-0	80 - 100
EU Hazard Symbols and Risk Phrases: EU - Adaptation 24 (Xi; R:36-37-38)		

3 HAZARDS IDENTIFICATION

Critical hazards:
Irritant. Irritating to eyes, respiratory system and skin.
CYANOACRYLATE, DANGER: Bonds skin and eyes in seconds.

4 FIRST-AID MEASURES

Eye Contact:
Get immediate medical attention. DO NOT force eyelids open.
Immediately flush eyes with large amounts of water for at
least 15 minutes.

Skin Contact:
FOR SKIN BONDS: Quickly soak in warm water and avoid use of
excessive force to free bonded area. If unable to free bonded
area, get medical attention. If irritation persists, get
medical attention.

Inhalation:
Remove person to fresh air. If signs/symptoms develop, get
medical attention.

Ingestion:
Do not induce vomiting. Get immediate medical attention. Give
victim two glasses of water. Never give anything by mouth to

an unconscious person.

5 FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

Use fire extinguishers with class B extinguishing agents (e.g., dry chemical, carbon dioxide).

Exposure Hazards:

Closed containers exposed to heat from fire may build pressure and explode. Vapours may travel long distances along the ground or floor to an ignition source and flash back.

Hazardous Decomposition:

Oxides of Nitrogen, Carbon Monoxide, Carbon Dioxide.

Fire-Fighting Procedures:

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, tunic and trousers (leggings), bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

Special Instructions:

Not applicable.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Observe precautions from other sections.

Methods for Cleaning up:

Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapours, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapours in the spill area to burn or explode. Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities.

Special Instructions:

DO NOT wipe spill or residue with cleanup materials containing cotton.

7 HANDLING AND STORAGE

Incompatible Materials/Conditions:

Store away from acids. Store away from heat. Store out of direct sunlight. Store away from oxidising agents.

Fire Prevention:

No smoking while handling this material.

Explosion Prevention:

Keep away from heat, sparks, open flame, pilot lights and other sources of ignition. Combustible liquid and vapour.

Precautions for Safe Handling:

For industrial or professional use only. Avoid contact with oxidising agents.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection:

Avoid eye contact. Avoid eye contact with vapours, mists, or spray. The following should be worn alone or in combination, as appropriate or in combination, to prevent eye contact: Safety glasses with side shields. Indirect vented goggles.

Hand Protection:

The following glove material(s) are recommended: Butyl rubber. Polyethylene/ethylene vinyl alcohol.

Skin Protection:

DO NOT wear cotton gloves.
Avoid skin contact.

Respiratory Protection:

Avoid inhalation of vapours, mists or spray.

Ingestion:

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

Recommended Ventilation:

Use with appropriate local exhaust ventilation. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits and/or control mist, vapour, or spray. If ventilation is not adequate, use respiratory protection equipment.

Exposure Limits:

ETHYL CYANOACRYLATE (7085-85-0)
UK HSE STEL: 0.3 ppm; 1.5/m³

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour: Colourless liquid with an ester-like odour.

pH: Not applicable

Boiling point/boiling range: 200.00 degrees C

Melting point/melting range: Not determined

Flash point: 87 C PMCC

Autoflammability: Not determined

Vapour pressure: Not determined

Water Solubility: Not determined

Specific gravity: Not determined

Vapour density: 1.05 - 1.08 g/ml

Volatile organic compounds: Not determined

Evaporation rate: Not determined

Viscosity: 0.000002 - 0.00012 MPAS

Percent Volatile: Less Than 1 %

10 STABILITY AND REACTIVITY

Conditions to Avoid:

Store away from heat. Store out of direct sunlight. Hazardous polymerisation may occur in large quantities only.

Materials to Avoid:

Strong bases. Strong oxidising agents. Amines,

Hazardous Decomposition:

Stable. Hazardous polymerisation may occur.

11 TOXICOLOGICAL INFORMATION

Effects from Eye Contact:

Bonds eyelids rapidly. Severe Eye Irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.

Effects from Skin Contact:

Moderate Skin Irritation: Signs/symptoms may include localised redness, swelling, itching, and dryness. Bonds skin rapidly.

Effects from Inhalation:

Upper Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Effects from Ingestion:

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, nausea, diarrhoea and vomiting.

12 ECOLOGICAL INFORMATION

Ecotoxicity Data:

Not determined.

Ecofate Data:

Not determined.

Other Effects and Information:

No data available.

13 DISPOSAL CONSIDERATIONS

Potential for Recycling:

Reclaim if feasible.

Special Instructions:

Incinerate in a permitted hazardous waste incinerator. Dispose of waste product in a facility permitted to accept chemical waste. Since regulations vary, consult applicable regulations or authorities before disposal.

14 TRANSPORT INFORMATION

UN NUMBER:

UN number: Not restricted for transportation

UK ROAD/SEA FREIGHT (IMO) CLASSIFICATION:

Substance Identification Number: Not applicable

Class: Not applicable

Packing Group: Not applicable

Proper Shipping Name: Not applicable

CDG-ROAD (if applicable) Not applicable

ADR/RID CLASSIFICATION:

Class: Not applicable

Item Number: Not applicable

ICAO/IATA CLASSIFICATION:

Class: Not applicable

Sub-Risk: Not applicable

Packing Group: Not applicable

Proper Shipping Name: Not applicable

15 REGULATORY INFORMATION

Symbol(s):
(Xi) St. Andrew's Cross (Irritant).

Risk Phrases:
(R1030) CYANOACRYLATE, DANGER: Bonds skin and eyes in seconds. (R36/37/38) Irritating to eyes, respiratory system and skin.

Safety Phrases:
Keep out of the reach of children. Use only in well ventilated areas. Do not breathe vapour. Avoid contact with the skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of soap and water. If eyelids are bonded, do not force open. In case of skin bonding, quickly soak in warm water and avoid excessive force to free bonded area. EC Label

16 OTHER INFORMATION

Regulatory Information: The following UK Regulations as amended may affect the product as supplied: The Chemicals (Hazard Information and Packaging for supply) Regulations, as amended. The Carriage of Dangerous Goods (Classification, Packaging and Labelling) and use of Transportable Pressure Receptacles Regulations 1996, as amended. Carriage of Dangerous Goods by Road

regulations, 1996, as amended.
The Petroleum (Consolidation)
Act 1928.
The Control of
Substances Hazardous to Health
Regulations 1999 as amended.

The Special Waste Regulations
1996, as amended. The
Environmental Protection Act,
1990 The Health and Safety at
Work Act, 1974.

Reissue date/Reason for reissue.
Updated label information.

Intended Use of Product:
For use on most rubber surfaces except silicone.

The information on this Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Data Sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications.

