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Panel Wipe Data Sheet 2008

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY

- Product Name: Panel Wipe
- Supplier: Cadre Components Ltd
  Unit B, Raspberry Court
  Marlborough Way
  Haydock, St Helens
  Merseyside
  WA11 9FT

2. COMPOSITION / INFORMATION ON INGREDIENTS

Components with health or Environmental hazard	INECS number	CAS number	Symbol/R-phrase (or OEL)	%
Alkanes, C9-12-ISO-	292-459-0	90622-57-4	Xn: R65, R66, R53	<100%
Alkanes, C11-15-ISO-	292-460-6	90622-58-5	Xn: R65, R66	<100%

3. HAZARDS IDENTIFICATION

- This product is classified as dangerous, according to the Dangerous Substances Directive 67/548/EEC

- Classification Symbol: Harmful Dangerous for the environment/none
- Risk Phrase: R53, R65, R66
- Health Hazard: Harmful: May cause lung damaged if swallowed. Repeated exposure may cause skin dryness or cracking.
- Environmental Hazard: May cause long-term adverse effects in the aquatic environment.
- Physical & Chemical Hazards: Moderate Hazard. Liquids can release vapours that can form flammable mixtures upon moderate heating to temperatures at or above the flash point.

4. FIRST AID MEASURES

- Eye Contact: Flush eyes with large amounts of water until irritation subsides. If irritation persists get medical assistance..
- Skin Contact: Flush with large amounts of water, use soap if available. Remove grossly contaminated clothing, including shoes, and launder before re-use.
- Inhalation: Using approved respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing has stopped. Keep at rest. Call for prompt medical attention..
- Ingestion: If accidentally swallowed, obtain medical advice. Do NOT induce vomiting!

5. FIRE-FIGHTING MEASURES

- Extinguishing Media: Use water spray to cool surfaces exposed to fire and to protect personnel. Shut off "fuel" to fire. Use foam, dry chemical, or water spray to extinguish fire.
- Specific methods of fire fighting: Avoid spraying water directly into storage containers due to danger of boilover. Containers may explode if exposed to fire. See also section 4 "First Aid Measures", and section 10 " Stability and Reactivity".
- Hazardous Composition Products: Smoke and oxides of carbon.

6. ACCIDENTAL RELEASE MEASURES

- Land Spill	Eliminate sources of ignition. Prevent liquid from entering sewers, watercourses or low areas. Keep public away. Shut off source if possible to do so without hazard. Advise police if substance has entered a watercourse or sewer or has contaminated soil or vegetation. Take measures to minimise the effect on the ground water. Contain spilled liquid with sand or earth. Recover by pumping (use an explosion proof or hand pump) or with a suitable absorbent. If liquid is too viscous for pumping, scrape up with shovels or pails and place in suitable containers for recycle or disposal. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations. See section 4 " First Aid Measures", and section 10 " Stability and Reactivity"
- Water Spill	Eliminate sources of ignition and request other shipping to stay clear. Notify port or relevant authority and keep public away. Shut off source if possible to do so without hazard. Confine if possible. Remove from surface by skimming or with suitable absorbents. If allowed by local authorities and environmental agencies sinking and/or suitable dispersants may be used in non-confined waters. Consult an expert on disposal of any recovered material and ensure conformity to local disposal regulations. See section 4 " First Aid Measures", and section 10 " Stability and Reactivity"

7. HANDLING AND STORAGE

- Storage Temperature (°C)	Ambient
- Transport Temperature (°C):	Ambient
- Loading/Unloading Temperature (°C):	Ambient
- Viscosity:	1.69 cSt at 25°C
- Storage/Transport Pressure (kPa):	Atmospheric
- Electrostatic Accumulation Hazard:	Yes, use proper grounding procedure.
- Usual Shipping Containers	Drums, Road Tanker
- Materials And Coatings Suitable	Carbon steel, Stainless steel, Polyethylene, Polypropylene, Polyester, Teflon.
- Materials And Coatings Unsuitable	Natural rubber, Butyl rubber, EPDM, Polystyrene. Compatibility with plastic materials can vary; we therefore recommend that compatibility be tested prior to use.
- Storage Handling General Notes	Keep container closed. Handle and open containers with care. Store in a cool, well-ventilated place away from incompatible materials. DO NOT handle or store near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Material will accumulate static charges which may cause an electrical spark (ignition source). Use proper grounding procedures. DO NOT pressurise, cut, heat or weld containers. Empty product containers may contain product residue. DO NOT re-use empty containers without commercial cleaning or reconditioning.
- Additional Warnings	Container remains hazard which empty. Continue to observe all precautions

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Workplace Exposure Limits	The use of mechanical dilution ventilation is recommended whenever this product is used in a confined space, is heated above ambient temperatures or otherwise to maintain ambient concentration below recommended threshold exposure limits
- Occupational Exposure Limits OEL	Main recommends 1200 mg/m³ TWA (HE guidelines in EH40). At present, no exposure limit applies to this product as such, nor its components. However, good practices should emphasise exposure avoidance
- General Advice	The use and choice of Personal Protection Equipment is related to the hazard of the product, the workplace and the way the product is handled. In general, we recommend as a minimum safety precaution that safety glasses with side shields and work clothes protecting arms, legs and body be used. In addition, any person visiting an areas where this product is handled or processed should at least wear safety glasses with side shields
- Special Advice	Based on and limited to Main's experience of this product, the following special advice is believed to provide satisfactory protection for the industrial user or handler.
- Respiratory protection	Where concentrations in air may exceed the limits given in this section, it is recommended to use a half face filter mask to protect from over exposure by inhalation. Suitable filter material depends on the amount and type of chemicals being handled in the workplace, but filter material of type "A" or similar may be considered for use
- Hand protection	When handling this product, it is recommended to wear chemical resistant gloves. The choice of suitable protective gloves depends on work conditions and what chemicals are handled. Materials such as NITRILE may be suitable. Gloves should be replaced immediately if signs of degradation are observed.
- Eye protection	See General Notes
- Body / Skin protection	See General Recommendations
- Environmental Exposure	See Section 12

9. PHYSICAL AND CHEMICAL PROPERTIES

-	Physical State	Liquid
-	Appearance	Clear Colourless Liquid
-	Odour/Taste	Isoparaffinic hydrocarbon
-	Freezing point/melting point	<-50°C N/A
-	Boiling Point/Range	173 - 213°C
-	Density (15°C):	0.765 g/ml typical
-	Vapour Density (air = 1):	>1.00
-	Evaporation Rate (n-butyl acetate=1):	0.056

-	Health Safety & Environmental Information	
-	Flash point	>61°C
-	Auto Ignition Temperature:	>200°C
-	Explosive Limits in Air:	0.6 – 7.0 vol%
-	Solubility in Water:	<0.10 wt%1.174

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10. STABILITY AND REACTIVITY

-	Hazard polymerisation	No
-	Conditions to avoid polymerisation:	N/A
-	Stability	Stable
-	Conditions To Avoid Instability	N/A
-	Incompatibility (Materials to avoid	Strong oxidising agents.
-	Hazardous decomposition products	Smoke and oxides of carbon

11. TOXICOLOGICAL INFORMATION

-	Acute	
-	Inhalation	Vapour concentrations above recommended exposure levels are irritating to the eyes and the respiratory tract, may cause headaches and dizziness, are anaesthetic and may have other central nervous system effects.
-	Skin	Low order of toxicity. Frequent or prolonged contact may irritate and cause skin dryness, cracking and dermatitis
-	Eye Contact	Irritating, but does not injure eye tissue.
-	Ingestion	Small amounts of liquid aspirated into respiratory system during ingestion or from vomiting may cause bronchopneumonia or pulmonary oedema. Minimal toxicity

12. ECOLOGICAL INFORMATION

- This product is classified as a Volatile Organic Compound, according to the Directive 99/13/EC.

-	Environmental mobility	This substance is highly volatile and will rapidly evaporate to the air if released into the environment
-	Environmental degradability	This substance biodegrades at a moderate rate and is "inherently" biodegradable according to OECD guidelines.. This substance can degrade rapidly in air. This substance is expected to be removed in a wastewater treatment facility
-	Ecotoxicity	Based upon data for a similar substance or estimated data: No acute toxicity to aquatic organisms is expected at the maximum water solubility of this material. Long term adverse effects to aquatic organisms are possible if continuous exposure is maintained

13. DISPOSAL CONSIDERATIONS

- The following advice only applies to the product as supplied. Empty drums should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should in any case be taken to ensure compliance with EC, national and local regulations. This product is NOT suitable for disposal or either landfill or via municipal sewers, drains, natural streams or rivers. This product is ashless and can be burned directly in appropriate equipment.

14. TRANSPORT INFORMATION

-	Road	No Transport Warning sign required

15. REGULATORY INFORMATION

-	Governing Directive	Dangerous Substances Directive 67/548/EC, as modified.
-	Label Name:	Contains: Alkanes C9-11-12-15-ISO
-	Label for supply	HARMFUL, Dangerous for the environment / none
-	Risk Phrases	R53: May cause long-term adverse effects in the aquatic environment. R65: Harmful: May cause lung damage if swallowed. R66: Repeated exposure may cause skin dryness or cracking.
-	Safety Phrases	S23: Do not breath gas/fumes/vapour/spray. S24: Avoid contact with skin. S61: Avoid release to the environment. Refer to special instructions / safety data sheet. S62: If swallowed, do not induce vomiting: Seek medical advice immediately and show this label or container.
-	Special Provisions	Restricted to professional users.
-	U.K. Regulatory References	C.H.I.P.3, The Chemical (Hazard Information and Packaging) Regulations 2002. The Carriage of Dangerous Goods by Road and Rail Regulations. Occupational Exposure Limits EH40 2002

16. OTHER INFORMATION

- Library of Risk Phrases listed in this document.

  R53: May cause long-term adverse effects in the aquatic environment.
  R65: Harmful: May cause lung damage if swallowed.
  R66: Repeated exposure may cause skin dryness or cracking.

- Date of issue of original: 21.11.96
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  4th Revision: 19.03.04

QUALITY ASSURANCE: MAIN CHEMICAL CO. LIMITED, CONFORMS TO BS EN ISO 9001 : 2000 Cert. No. GB 2487
ENVIRONMENTAL STANDARD: MAIN CHEMICAL CO. LIMITED, CONFORMS TO BS EN ISO 14001 : 1996 Cert. No. GB 12032

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with legal regulations. The information contained herein is based on the current state of our knowledge and is intended to describe products from the point of view of safety requirements and thus should not be constructed as guaranteeing specific properties. For further information contact the office.