

MATERIAL SAFETY DATA SHEET: C-65 CLEANER Weld-on

Issue Date: 10.05.06 Rev: 1

1. IDENTIFICATION OF PREPARATION AND COMPANY

Product name : C-65 Cleaner – Weld-on (mixture of organic solvents)

Product use : Cleaner for Plastic Pipe

EU Suppliers Name and Address:

International Plastic Systems Limited
Seaham Grange Industrial Estate
Seaham
County Durham
SR7 0PT

Tel: 0191-5213111 Fax: 0191-5213222

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance	Approx %	Symbols	Risk Phrases	Safety Phrases	CAS No.	Index no.
Methyl Ethyl Ketone	32	F, Xi	R 11-36-66/67	S (2)-9-16	78-93-3	606-002-00-3
Acetone	62-70	F, Xi	R 11-36,66/67	S (2)-9-16-26	67-64-1	606-001-00-8
Cyclohexanone	1-5	Xn	R 10-20	S (2)-25	108-94-1	606-010-00-7

3. HAZARD IDENTIFICATION

Flammable, irritant.

4. FIRST AID MEASURES

Inhalation

If overcome by vapours, remove to fresh air and if breathing stopped, give artificial respiration. If breathing is difficult give oxygen. Obtain medical attention.

Eye contact

Flush eyes with plenty of water for at least 15 minutes. Obtain medical attention.

Skin contact

Remove contaminated clothing and shoes. Wash skin with plenty of soap and water for at least 15 minutes. If irritation develops, obtain medical attention.

Ingestion

Give 1 or 2 glasses of water or milk. Do not induce vomiting. Obtain immediate medical attention.

5. FIRE-FIGHTING MEASURES

Fire Extinguishing Agents

Water spray, carbon dioxide, alcohol resistant foam and dry powder

Special precautions

Evacuate enclosed areas, stay upwind. In confined space use self-contained breathing apparatus, positive pressure hose masks or airline masks. Use water spray to cool containers, to flush spills from source of ignition and to disperse vapours. Vapours are heavier than air and may travel to source of ignition.

6. ACCIDENTAL RELEASE MEASURES

Eliminate all ignition sources. Avoid breathing of vapours. Keep liquid out of eyes. Flush with large amounts of water. Contain liquid with sand or earth. Absorb with sand or non-flammable absorbent material and transfer into steel drums for recovery or disposal. Prevent liquid from entering the drains.

7. HANDLING AND STORAGE

Store in the shade between 5°C and 40°C. All handling equipment should be electrically grounded. Keep away from heat, sparks, open flame or other sources of ignition. Avoid prolonged breathing of vapour (refer to Exposure Controls). Avoid contact with eyes, skin and clothing. Train employees on all special handling procedures before they work with this product. Follow all precautionary information given on container label.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace Exposure Limits

Methyl Ethyl Ketone (butanone) 200ppm (long term) & 300ppm (short term).

Cyclohexanone 10ppm (long term) & 20ppm (short term) can be absorbed through the skin; Acetone 500ppm (long term) & 1500ppm (short term)

NOTE: Long term = 8 hour TWA Reference period & Short term = 15 minute reference period

Respiratory Protection

Explosion proof general mechanical ventilation is recommended to maintain vapour concentrations below safe working limits. In situations where vapour concentrations exceed safe working limits, a self-contained breathing apparatus should be worn. The effectiveness of an air purifying is limited. Use it only for a single short-term exposure. For emergency and other conditions where short term exposure guidelines may be exceeded, use approved positive pressure self-contained breathing apparatus.

Hand protection

PVA coated gloves

Eye Protection

Splash-proof chemical goggles

Skin Protection

Impervious apron and source of running water to wash eyes or skin in case of contact.

Ventilation

Use only with adequate ventilation. Provide sufficient ventilation in volume and pattern to keep contaminants below applicable exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colourless thin liquid
Odour	Ketone
Boiling Point	56°C
Flashpoint	Minus 21°C
Flammability	Highly Flammable Vapour / air mixture explosive
Autoflammability	460°C
Vapour pressure	190mm Hg, based on first boiling component, Acetone at 20°C
Vapour density	2.0 (Air = 1)
Specific gravity @ 20°C	0.800 ± 0.040
Percentage volatile by volume	100%

10. STABILITY AND REACTIVITY

Fire hazard because of low flash point and high volatility. Vapours are heavier than air and may travel to source of ignition. Keep away from heat, sparks, open flame and other sources of ignition.

Materials to avoid

Caustics, ammonia, inorganic acids, chlorinated compounds, strong oxidants and isocyanates.

Hazardous Decomposition Products

When forced to burn, this product gives off carbon dioxide, carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Primary routes of entry

Inhalation and skin contact.

EFFECTS OF OVEREXPOSURE

ACUTE

Inhalation

Severe overexposure may result in nausea, dizziness and headache. Can cause drowsiness, irritation of eyes and nasal passages.

Skin contact

Skin irritant. Liquid contact may remove natural skin oils resulting in irritation. Dermatitis may occur with prolonged skin contact.

Skin absorption

Prolonged or widespread exposure may result in severe eye injury with conjunctival inflammation on contact with the liquid. Vapours slightly uncomfortable.

Ingestion

Moderately toxic. May cause nausea, vomiting, and diarrhoea. May cause mental sluggishness.

CHRONIC

High vapour concentrations may produce CNS depression. Depression may be evidenced by headache, dizziness and nausea. Aspirated material may cause severe lung damage and present a significant hazard.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Individuals with pre-existing diseases of the eye, skin or respiratory system may have increased susceptibility to the toxicity of excessive exposures.

12. ECOLOGICAL INFORMATION

None of the components of the preparation are classified as dangerous to the environment. However care should be taken to prevent material entering surface drains.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations. Can be disposed of via incineration. Excessive quantities should not be permitted to enter drains. Empty containers should be air dried before disposal.

14. TRANSPORT INFORMATION

Proper Shipping Name	Flammable Liquids (Acetone, Methyl Ethyl Ketone, Cyclohexanone)			
UN Number	1993	Class Number	3	Pkg. Group II
Emergency Action Code	3YE	Hazard Identification No	33	
Special Provisions	185 & 187 apply			

15. REGULATORY INFORMATION

Symbols	:	F, Xi	
Risk phrases	:	R11	Highly flammable
		R20	Harmful by inhalation
		R36/37	Irritating to eyes and respiratory system
		R66	Repeated exposure may cause skin dryness or cracking
		R67	Vapours may cause drowsiness or dizziness
Safety phrases	:	S2	Keep out of reach of children (obligatory statement if sold to the general public)
		S9	Keep container in a well ventilated place
		S16	Keep away from sources of ignition - no smoking
		S25	Avoid contact with the eyes
		S26	In case of contact with the eyes, rinse immediately with plenty of water and seek medical advise
		S29	Do not empty into drains
		S33	Take precautionary measures against static discharges

16. OTHER INFORMATION

Special Precaution: Do not use a dry granular calcium hypochlorite as a disinfecting material for water purification in potable water piping systems. The introduction of granules or pellets of calcium hypochlorite with PVC and CPVC solvent cements and primers (including their vapours) may result in a violent chemical reaction if a water solution is not used.

The data contained in this Safety Data Sheet has been supplied as required by the **Chemicals (Hazard Identification and Packaging for Supply) Regulations 2002**, as amended, for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided. Please ensure that it is passed to the appropriate person(s) in your company, who are capable of acting on the information.