



## Cleaning Fluids and Cream Cleaner for PVC SAFETY DATA SHEET

### IDENTIFICATION OF PREPARATION

PVC Ultraclean

### COMPOSITION INFORMATION

Denatured Ethanol <50%

Iso Butyl Acetate <50%

### HAZARDS IDENTIFICATION

Highly flammable liquid and explosive vapours.

### FIRST AID MEASURES

**EYE CONTACT** Irrigate eye thoroughly with water for at least 10 minutes, holding the eyelids

apart if necessary. Obtain medical attention

**SKIN CONTACT** Immediately wash with plenty of soap and water, preferably under a shower if affected area is large enough to warrant this. Remove contaminated clothing and thoroughly clean and dry before re-use. Obtain medical attention if irritation or if blistering occurs.

**INHALATION** Remove from exposure. Keep warm and at rest. If there is respiratory distress give oxygen. If respiration stops or shows signs of failing, apply artificial respiration. Do not use mouth to mouth ventilation. Obtain medical attention urgently.

**INGESTION.** Wash out mouth with water. Obtain immediate medical attention. Do not induce vomiting. Treatment may be needed for shock or pain.

### FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA** CO<sub>2</sub> Dry powder, alcohol resistant foam, water fog in absence of electrical equipment. Earth/sand for small fires.

**UNSUITABLE EXTINGUISHING MEDIA** Water jet.

**FIRE & EXPLOSION HAZARDS / HARMFUL COMBUSTION PRODS.** Vapour/air may be explosive. Combustion may result in toxic fumes of carbon monoxide. Vapour heavier than air ignition may occur at a distance.

**SPECIAL FIRE FIGHTING PROCEDURES** Toxic and explosive risk in a fire.

Therefore self-contained breathing apparatus and full protective clothing should be worn.

### ACCIDENTAL RELEASE MEASURES

**EYE PROTECTION** Goggles if risk of splashing.

**SKIN PROTECTION** Solvent resistant gloves neoprene or nitrile rubber.

**VENTILATION** Good local.

**RESPIRATORY PROTECTION** Breathing apparatus should be worn when dealing with spillage (under severe conditions).

**SPILLAGE OR LEAK PROCEDURES** Absorb on sand or earth. Extinguish all sources of ignition. Ventilate area. Do not allow to enter drains. Wash site with water and detergent.

### HANDLING & STORAGE

Ensure good ventilation.

Avoid all sources of ignition, sparks, flames, electrical equipment, arc lights, static discharges etc.

No smoking.

Keep containers tightly closed, away from strong acids, alkalis, acetyl chloride and oxidising agents.

Store in a cool, dry, well ventilated area.

### EXPOSURE CONTROLS / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMIT EH 40/2001		
	LTEL	STEL
Denatured Ethanol	1,000 ppm	N/A
Iso Butyl Acetate	150 ppm	187ppm

### PERSONAL PROTECTION

Wear solvent resistant gloves (neoprene or nitrile rubber), safety goggles and, if high concentrations are present, self contained breathing apparatus, or full - face respirator with organic vapour cartridge NPF20.

Ensure good ventilation

### PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE / ODOUR Clear liquid mixture of an alcohol and ester with characteristic odour.

pH N/A.

BOILING POINT 78 - 118°C

MELTING POINT N/A.

FLASH POINT 14°C

FLAMMABLE / EXPLOSIVE LIMITS LEL 1% ( v/v) UEL 19% ( v/v )

AUTO FLAMMABILITY 363°C

OXIDIZING PROPERTIES N/A

VAPOUR PRESSURE N/A

SPECIFIC GRAVITY 0.8

WATER / FAT SOLUBILITY Limited solubility in water

VOLATILE CONTENT BY WEIGHT <100 %

STABILITY & REACTIVITY Violent reaction with oxidizing agents, strong acids, acetyl chloride and alkalis.

### TOXICOLOGICAL INFORMATION

#### ACUTE EFFECTS

Liquid and vapour causes irritation to eyes, skin, respiratory and digestive tracts. Causes temporary loss of vision and possible to permanent tissue damage to eyes.

May be absorbed systemically by inhalation or ingestion after significant exposure.

Depresses the nervous system, causes nausea, vomiting, choking, coughing.

May cause narcosis or coma when inhaled.

#### CHRONIC EFFECTS

Liquid has a degreasing action on the skin and may produce a dry, scaly and fissured dermatitis.

May cause heart, liver and kidney damage.

High exposure to aspired mists or vapours may lead to bronchitis, pneumonitis and obstructive pulmonary oedema.

### ECOLOGICAL INFORMATION

MOBILITY N/A

BIODEGRADABILITY N/A

AQUATIC TOXICITY N/A

BIOACCUMULATION N/A

DISPOSAL CONSIDERATIONS According to local regulations for flammable liquids.

### TRANSPORT INFORMATION

CARRIAGE CLASSIFICATION Flammable liquid

ADR/RID 3

UN No. 1263

PACKING GROUP II

IMO CLASS 3.2

HAZCHEM CODE 2YE

## **REGULATORY INFORMATION**

CLASSIFICATION Highly flammable.

SYMBOLS F

RISK PHRASES

R11: Highly flammable

R66: Repeated exposure may cause skin dryness or cracking. .

SAFETY PHRASES

S7: Keep container tightly closed.

S16: Keep away from sources of ignition - No smoking.

S23: Do not breathe vapour.

S25: Avoid contact with eyes.

S29: Do not empty into drains.

S33: Take precautionary measures against static discharges.

## **IDENTIFICATION OF PREPARATION**

Thinners & Cleaning Fluid

## **COMPOSITION/INFORMATION**

Ethyl Acetate <61%

Methyl Isobutyl Ketone <21%

Xylene <20%

## **HAZARDS IDENTIFICATION**

Highly flammable liquid and explosive vapours.

Can be absorbed through skin.

Harmful by inhalation.

Irritating to eyes and respiratory system.

## **FIRST AID MEASURES**

EYE CONTACT Irritant, can cause damage to eyes. In case of contact, irrigate immediately with plenty of water and seek medical aid.

SKIN CONTACT Can be absorbed through skin. May irritate through degreasing action. If spilled on skin, wipe off excess and wash with soap and water.

INHALATION Harmful by inhalation, may cause dizziness, headache and nausea.

If affected by vapour, move to fresh air and seek medical aid if symptoms persist.

INGESTION Harmful, nausea, dizziness. If swallowed wash out mouth, do not induce vomiting. Give plenty of water to drink. Seek immediate medical attention.

## **FIRE FIGHTING MEASURES**

EXTINGUISHING MEDIA C02 Dry powder, alcohol resistant foam, water fog in absence of electrical equipment. Earth/sand for small fires.

UNSUITABLE EXTINGUISHING MEDIA Water jet.

FIRE & EXPLOSION HAZARDS / HARMFUL COMBUSTION PRODS. Vapour/air may be explosive. Acidic fumes in fire and CO. Vapour heavier than air - ignition may occur at a distance.

SPECIAL FIRE FIGHTING PROCEDURES Use breathing equipment.

## **ACCIDENTAL RELEASE MEASURES**

EYE PROTECTION Goggles if risk of splashing.

SKIN PROTECTION Solvent resistant gloves neoprene or nitrile rubber.

VENTILATION Good local.

RESPIRATORY PROTECTION Vapour respirator if no ventilation.

SPILLAGE OR LEAK PROCEDURES Absorb on sand or earth. Extinguish all sources of ignition. Ventilate area. Do not allow to enter drains.

## **HANDLING & STORAGE**

Avoid all sources of ignition, sparks, flames, electrical equipment, arc lights, static discharges etc.

No smoking.

Keep containers tightly closed, away from oxidizing agents, reducing agent and acids.

Store at moderate room temperature in closed containers.

### **EXPOSURE CONTROLS / PERSONAL PROTECTION**

OCCUPATIONAL EXPOSURE LIMIT EH 40/2001

Component	LTEL	STEL	Bmgv
Ethyl Acetate	200	400	
Methyl Isobutyl Ketone Sk, Bmgv	50	100	20 ~mol MIBK/L in urine
Xylene Sk	100	150	

Sk = Can be absorbed through skin. Bmgv = Biological Monitoring Guidance Values

### **PERSONAL PROTECTION**

Avoid inhaling vapour.

Avoid contact with skin and eyes.

Wear solvent resistant gloves (neoprene or nitrile rubber), safety goggles and, if high concentrations are present, self contained breathing apparatus, or full-face respirator with organic vapour cartridge NPF 20.

Ensure good ventilation

### **PHYSICAL & CHEMICAL PROPERTIES**

APPEARANCE / ODOUR Clear liquid mixture of aromatic hydrocarbons, ketones and esters with characteristic odour.

pH N/A

BOILING POINT n -139 °C

MELTING POINT N/A

FLASH POINT 2°C

FLAMMABLE / EXPLOSIVE LIMITS LEL 1% (v/v) UEL 11% (v/v)

AUTO FLAMMABILITY 426°C.

OXIDIZING PROPERTIES N/A.

VAPOUR PRESSURE N/A.

SPECIFIC GRAVITY N/A.

WATER / FAT SOLUBILITY Partially water and fat soluble

VOLATILE CONTENT BY WEIGHT 100%

STABILITY & REACTIVITY Violent reaction with oxidizing agents.

### **TOXICOLOGICAL INFORMATION**

Irritating to eyes, skin, respiratory and digestive tracts, may cause systemic effects: narcosis, nausea, headaches.

Skin: Can be absorbed through skin, chronic exposure may cause dermatitis.

Ingestion: Harmful, nausea, dizziness. Repeated exposure to high concentrations, damaging to liver, kidney and nervous system.

### **ECOLOGICAL INFORMATION**

MOBILITY N/A

BIOACCUMULATION N/A

BIODEGRADABILITY N/A

AQUATIC TOXICITY N/A

DISPOSAL CONSIDERATIONS According to local regulations for flammable and harmful substances.

### **TRANSPORT INFORMATION**

CARRIAGE CLASSIFICATION Flammable liquid

ADR/RID 3

U.N. No 1263  
PACKING GROUP II  
IMO CLASS 3.2  
HAZCHEM CODE 2YE

**REGULATORY INFORMATION**

CLASSIFICATION Highly flammable, Harmful

SYMBOLS F, Xn

RISK PHRASES

R11: Highly flammable.

R20/21: Harmful by inhalation and in contact with skin.

R36/37: Irritating to eyes and respiratory system.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

SAFETY PHRASES

S9: Keep container in a well ventilated place.

S16: Keep away from sources of ignition - No smoking.

S25: Avoid contact with eyes.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S29: Do not empty into drains.

S33: Take precautionary measures against static discharges.