

SECTION 1 - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Details
Trade Name: **STAG PVC CLEANER**
Product No: 32-582-0818
Recommended Use: Recommended for use as a PVC Cleaner.
Use Restrictions: To be used as recommended.
Supplier Details: Liquid Colours (Pty) Ltd, P.O. Box 2685, Edenvale 1610, South Africa
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SDS date: 29.05.2019
SDS version: **v20.03.2023**

SECTION 2 - HAZARDS IDENTIFICATION

Classification of the substance or mixture according to SANS 10234:2008 Edition 1.1 and Regulation (EC) Number 1272/2008 (CLP):

- Danger - Highly Flammable Liquid and Vapour
- Warning - Causes skin irritation
- Warning - Causes Eye irritation
- Harmful in Contact with Skin
- May be fatal if it enters the airways
- Harmful to Aquatic Life
- Warning –suspected of damaging the unborn child
- Warning – Affects CNS
- Warning – Toxic to aquatic life

Full List of statements given under section 15

Hazard Symbols:



SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Component	Cas Number	Weight (%)
Acetone	67-64-1	40 - 42
Methyl Ethyl Ketone	1330-20-7	40 - 42
Toluene	108-88-3	18 - 20

SECTION 4 – FIRST AID MEASURES

Eye contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Seek medical attention.

Skin contact (slight): In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Seek medical attention.

Skin contact (prolonged) Wash thoroughly with disinfectant soap. Seek medical attention.

Inhalation (slight): If inhaled, remove to fresh air. If breathing is difficult, give oxygen. Seek medical attention.

Inhalation (prolonged): Evacuate the victim to a safe area as soon as possible. Loosen tight clothing and resuscitate if required taking care not to inhale toxic fumes. Seek medical attention.

Ingestion (slight): Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek medical attention

SECTION 5 – FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Water Fog, Carbon Dioxide, Dry Powder Foam. **Do not use Water Jet for extinguishing fires but may be used to keep containers cool.**

Flammable: Fire Fighters need to use suitable protective clothing while firefighting.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions: Persons with a history of asthma, allergies or chronic or recurrent respiratory disease should only be employed in processes in which this product is used under supervision.
 Avoid contact with skin, eyes and clothing.
 Do not inhale fumes/vapours.
 Keep away from foodstuffs and beverages.
 Wash hands after use.

Protective Equipment: Wear protective clothing, solvent resistant gloves, boots and eye goggles/face mask. Work in a well-ventilated area and wear respiratory protective equipment.

Environmental Precautions: Do not allow to enter sewers/ surface or ground water. Inform respective authorities in case of seepage into watercourse or sewage system.

Containment and Clean-Up: Contain and collect spillages with non-combustible absorbent materials e.g. sand, earth, vermiculite, diatomaceous earth. Place in a suitable container for disposal in accordance with the waste regulations. Do not allow to enter drains or waterways.

SECTION 7 – HANDLING & STORAGE

Handling: Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Use explosion proof electrical (ventilating, lighting and material handling) equipment. Keep away from heat, sparks and flame.

Storage: Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use.

SECTION 8 - EXPOSURE CONTROL / PERSONAL PROTECTION

Component	Cas Number	Source	TWA Value	STEL
Acetone	67-64-1	ACGIH TLV	250 ppm	500 ppm
Methyl Ethyl Ketone	78-93-3	ACGIH TLV	200 ppm	300ppm
Toluene	108-88-3	ACGIH TLV	200 ppm	150 ppm

LTEL: Long Term Exposure Limits - Time Weight Average (TWA) over 8 hours.
 STEL: Short Term Exposure Limits - Time Weight Average (TWA) over 15 Minutes
 Note: Limits Shown for guidance only. Follow applicable regulations

Personal Protective Equipment (PPE)

Engineering controls: Use in well -ventilated area. Explosive-proof ventilation equipment with local exhaust is desirable.

Respiratory protection: Approved respiratory equipment must be used when airborne concentrations are unknown or exceed the recommended exposure limit. Self-Contained Breathing Apparatus may be required for use in confined or enclosed spaces. Respirator with a vapour filter (EN 141) is recommended.

Eye protection: Normal industrial eye protection practices should be employed.

Skin and body protection: If prolonged or repeated skin contact is likely wear solvent-resistant gloves and clothing. Good personal hygiene practices should always be followed.

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Physical State: Liquid
Colour: Clear
Odour: Strong Solvent
pH Value: Not Applicable
Initial Boiling Point: 80°C
Flash Point: -17 °C
Flammability: Flammable
Upper Explosion Limit (UEL): 7.1. % (V)
Lower Explosion Limit (LEL): 1.1. % (V)
Vapour Pressure: <20hPa
Density: 1.00 – 1.10
Solubility in Water: Immiscible
Viscosity: Not applicable
Auto-ignition Temperature: Data no available
Decomposition Temperature: Data not available

SECTION 10 – STABILITY & REACTIVITY

Stability: Stable
Conditions to avoid: Heat, sparks, flame and build- up of static electricity.
Materials to avoid: Strong oxidizers and Acids
Hazardous decomposition: Fumes, smoke and carbon monoxide

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute Oral toxicity
Rats - LD50: Greater than 2000 mg/kg based on properties of the individual components
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Acute Inhalation Toxicity
Rats - LC50: Greater than 28mg/l based on properties of the individual components
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Acute Dermal Toxicity
Rabbits - LD50: Greater than 5000 mg/kg based on properties of the individual components

Skin Irritation Causes skin irritation

Serious eye damage/ eye irritation Causes serious eye irritation

Respiratory and Skin Sensitization Not expected to be a sensitizer.

Germ Cell Mutagenicity All ingredients in this product test negative.

Carcinogenicity There are no known carcinogenic chemicals in this product

Reproductive Toxicity (Teratogenicity) Toluene suspected of damaging the unborn child

Specific Target Organ Toxicity STOT -Single Inhalation may cause respiratory irritation. May cause dizziness or headaches. Irritation to the gastrointestinal tract. Can affect the Central nervous system

Repeated dose toxicity: Prolonged or repeated skin contact may cause removal of natural fat from the skin resulting in possible irritation and dermatitis

Aspiration Hazard May be fatal if swallowed and enters airways.

SECTION 12 – ECOLOGICAL INFORMATION

Elimination information (persistence and degradability):

Biodegradability: The product is expected to be inherently biodegradable

Physicochemical

Removability: Not established

Bioaccumulation: Bio concentration Factor (BCF)<100

Eco toxicity effects:

Toxicity to fish Juvenile

Rainbow trout LC/EC50: 8.05mg/L at 96Hours for Toluene

Toxicity to Aquatic

Organisms LC/EC50 Daphnia Magna 6ml/L 48 Hours, Green Algae 9.4 mg/L at 8Hours

Further info on ecology: None

Remarks: Toxic to fish, aquatic organisms and wildlife. Do not discharge into lakes, streams, ponds and ground water supply.


SECTION 13 – DISPOSAL CONSIDERATIONS


Waste Disposal: Product is suitable for burning in an enclosed, controlled burner for fuel value or disposal by supervised incineration. Such burning may be limited pursuant to the Resource Conservation and Recovery Act. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at any government approved waste disposal facility. Use of these methods is subject to user compliance with applicable laws and regulations and considerations of product characteristics at time of disposal.


Contaminated Packaging: Empty containers retain residue (liquid and/or vapour) and can be dangerous. DO NOT PRESSURISE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to refill or clean container since residue is difficult to remove. Empty drums should be completely drained, properly bunged and promptly returned to a drum re-conditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulation. .All, containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

Other regulations: Disposal of unused product may be subject to RCRA regulations (40 CFR261). Disposal of the used product may also be regulated due to ignitability, Corrosivity, reactivity, or toxicity as determined by the Toxicity Characteristic Leaching Procedure (TCLP).

SECTION 14 – TRANSPORT INFORMATION

ADR		Hazard Symbol
UN Number :	1263	
UN Proper shipping name:	Paint Related Material	
Class:	3	
Letter:	F	
Hazard Label:	3	
Danger Kemmler	30	
Limited Quantities	5L	
Tunnel Restriction Code	D/E	

Maritime transport IMDG		Hazard Symbol
UN Number :	1263	
UN Proper shipping name:	Paint Related material	
Class:	3	
Letter:	F	
Packing group	III	
Hazard Label:	3	
Marine Pollutant	No	
EMS Number:	F-E, S-E	
Medical Guide No	311	
IMDG Code page No	3-07	
Static accumulator 50Pico Siemens or less	Yes	

Air Transport ICAO-TI and IATA-DGR		Hazard Symbol
UN Number :	1840	
UN Proper shipping name:	Paint Related material	
Class:	3	
Letter:	F	
Hazard Label:	III	

SECTION 15 – REGULATORY INFORMATION

Governmental Inventory
Status:

All components comply with TSCA, EINECS/ELINCS, AICS, METI, DSL, KECI, ENCS, PICCS and IECSC.

Material Safety Data Sheet:

According to 1907/2006/EC, Article 31

Risk phrases:

- H225 - Highly flammable liquid and vapour
- H304 May be harmful if swallowed and enters the airways
- H315 Causes Skin Irritation
- H319 Causes serious eye irritation
- H333 Maybe harmful if inhaled
- H336 May cause drowsiness or dizziness
- H361D suspected of damaging the unborn child
- H402 Toxic to aquatic life
- P102 Keep out of reach of children.
- P103 Read label before use.
- P210 Keep away from all sources of ignition. No smoking.
- P233 Keep container tightly closed.
- P261 Avoid breathing vapours.
- P264 Wash hands face and all exposed skin thoroughly after handling.
- P280 Wear protective clothing, gloves, eye/face protection and suitable respirator
- P304 + P340 - IF INHALED - Remove victim to fresh air and keep at rest in a position comfortable for breathing
- P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off

Chemical safety
Assessment:

A Chemical Safety Assessment has not been carried out.

SECTION 16– OTHER INFORMATION

Reason for Issue Update to GHS SDS.

Terms of use: This summarises at the date of issue our best knowledge of health, environmental hazard and safety information related to the product, how to safely handle, use, store and transport the product. Since Liquid Colours cannot anticipate or control the conditions in which the product may be handled, used, stored or transported, every user must prior to usage review the MSDS in relation to intended use, storage and transport of the product in the workplace and elsewhere. Such information should be communicated to all relevant parties. If further information is required, please contact Liquid Colours.

Liquid Colours shall not assume any liability for the accuracy or completeness of the information contained herein or any advice given. Liquid Colours sole and exclusive warranty is that the products comply with Liquid colours published chemical and physical specifications in effect at the time of sale. Liquid Colours liability for claim suits is in all cases limited to the purchase price of the particular quantity of product upon which the claim is based. Under no circumstances shall Liquid Colours be liable for loss of profits or any other indirect and consequential loss or damage resulting from the improper use of the product.

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