

MSDS - Material Safety Data Sheet**Product Name: Pipe Cleaner***Harvey PVC***MSDS No.: 019100****Part Numbers Covered:**

019100	019107-24	019115-24	019123-12	019133-12	019143-12	019153	019206	019701
019100-24	019108-24	019116-24	019124-12	019134-12	019144-12	019154	019505	019702
019100-6	019109	019117-24	019125-12	019135-12	019145-24	019163	019512	019703
019101-24	019110-24	019118-24	019126-12	019136	019146-12	019164	019513	019704
019102-24	019110-48D	019119-24	019127-12	019137-12	019147-12	019165	019514	019705
019103-24	019111-24	019120-12	019128-12	019138	019148-24	019166	019515	019982
019104-24	019112-24	019120-24D	019129-12	019140	019149-12	019167	019520	019983
019105-24	019113-24	019121-12	019130-12	019141-24	019151-12	019168	019522	019991
019106-24	019114-24	019122	019132-12	019142-24	019152	019169	019700	019992

1. Basic Information:**Manufacturer:** William H. Harvey Company**Address:** 4334 South 67th Street**City, ST Zip:** Omaha, NE 68117-1019**Emergency Contact:** CHEMTREC**Emergency Telephone Number:** (800)424-9300**Contact:** Information Telephone Number**Information Telephone Number:** (800)228-9681**Last Update:** 12/07/2006**Expiration Date:****Chemical State:** ☒ Liquid☐ Gas☐ Solid**Chemical Type:** ☐ Pure☒ Mixture

1	Health
4	Flammability
0	Reactivity
G	Pers. Protection

2. Ingredients:☐ Trade Secret

CAS No.	Chemical Name	% Range	EHS		IARC		SARA		OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB Z		313				
67-64-1	ACETONE	0 - 100							1000 PPM	500 PPM	NI
78-93-3	METHYL ETHYL KETONE	0 - 100							200 PPM	200 PPM	NI

3. Hazardous Identification:**Hazard Category:**☒ Acute☒ Chronic☒ Fire☐ Pressure☐ Reactive

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MSDS No.: 019100

Hazardous Identification Information:

Hazards Overview:

Clear liquid with a distinct and penetrating odor.

Extremely flammable liquid and vapor. Vapors may cause flash fire.

May cause eye and skin irritation.

Inhalation of vapors or mists may cause respiratory irritation and central nervous system effects.

Ingestion may cause irritation, nausea, vomiting, diarrhea and kidney and liver disorders. May be fatal if swallowed.

Aspiration hazard.

Symptoms may be delayed.

4. First Aid Measures:

Route(s) of Entry:

EYES: Liquid causes severe irritation. Vapors cause slight to moderate irritation.

SKIN: Liquid or vapors may cause severe irritation.

INHALATION: May cause nose and throat irritation, headache, nausea, vomiting, drowsiness and incoordination.

INGESTION: Swallowing may cause irritation, nausea, vomiting, diarrhea and kidney and liver disorders. May be fatal if swallowed.

TARGET ORGANS: Eyes, Skin, Lungs, Kidney, Liver, Central Nervous System.

Health Hazards (Acute and Chronic):

ACUTE:

Severe skin irritant. Fast skin penetrant. Not expected to be a sensitizer. Eye irritant. Inhalation hazard. Overexposure may cause coughing, shortness of breath, dizziness, vomiting, central nervous system depression, intoxication, and collapse. Ingestion hazard. May produce symptoms of nervous system depression including headache, dizziness, nausea, loss of sense of balance, drowsiness, and visual disturbances.

CHRONIC:

Prolonged or repeated eye contact may cause conjunctivitis. Prolonged or repeated skin contact may cause defatting and dermatitis. May cause liver and kidney damage. May cause reproductive and fetal effects May cause lung damage. Narcotic in high concentrations.

Signs and Symptoms:

See HEALTH HAZARDS above.

Medical Conditions Generally Aggravated by Exposure:

AGGRAVATION OF EXISTING CONDITIONS:

Persons with pre-existing skin disorders or eye problems or impaired liver or kidney function may be more susceptible to the effects of the substance.

Emergency and First Aid Procedures:

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FOR EMERGENCY FIRST AID HELP CALL 1-303-623-5716 COLLECT.

SKIN CONTACT:

Immediately wash skin with soap and water while removing contaminated clothing and shoes. Launder clothing before reuse. Seek medical attention if irritation persists.

EYES:

Liquid: Immediately flush with plenty of water for 5 minutes. Remove contacts if present and continue flushing with water while holding eyelids open with thumb and index finger for 15 minutes. Seek medical attention if irritation develops or persists.

Vapors: If vapors cause irritation, move to fresh air and flush eyes as above. Seek medical attention if irritation develops or persists.

INHALATION:

Move to fresh air. Give oxygen if breathing is difficult. Give artificial respiration if required. Call a physician or poison control center (1-303-623-5716 collect) immediately.

INGESTION:

DO NOT INDUCE VOMITING. Rinse mouth with water. Never give anything by mouth to a person who is unconscious or drowsy. Get immediate medical attention by calling a Poison Control Center (1-303-623-5716 Collect), or hospital emergency room. If medical advice cannot be obtained, then take the person and product to the nearest medical emergency treatment center or hospital.

Other Health Warnings:

NI

5. Fire Fighting Measures:

Flash Point: -3 °F

Lower Explosive Limit: 2.4 % Vol.

Upper Explosive Limit: 12.7 % Vol.

F.P. Method: TCC

Fire Extinguishing Media: Use dry chemical, CO2, or foam to extinguish fire. Cool fire exposed container with water. Water may be ineffective as an extinguishing agent.

Special Fire Fighting Procedures:

Firefighters should wear positive pressure self contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored.

Unusual Fire and Explosion:

Extremely flammable liquid. Keep away from heat and all sources of ignition including sparks, flames, lighted cigarettes and pilot lights. Containers may rupture or explode in the heat of a fire. Vapors are heavier than air and may travel to a remote ignition source and flash back. Combustion will produce toxic and irritating vapors including carbon monoxide and carbon dioxide.

6. Accidental Release Measures:

Steps to be Taken in Case Material is Released or Spilled:

Remove all sources of ignition and ventilate area. Stop leak if it can be done without risk. Prevent liquid from entering watercourses, natural waterways, drainage collection areas or sewers.

Personnel cleaning up the spill should wear appropriate personal protective equipment, including respirators if vapor concentrations are high. Soak up spill with an inert absorbent such as sand, earth or other non-combusting material. Put spent absorbent material in covered, labeled metal containers. See Section XIII for disposal information.

Report releases to proper authorities as required.

7. Handling and Storage:

Precautions to be Taken:

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HANDLING:

Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists. Use with adequate ventilation (equivalent to outdoors). Wash thoroughly after handling. do not eat, drink or smoke in the work area. Keep product away from heat, sparks, flames and all other sources of ignition. No smoking in use or storage areas. Keep containers closed when not in use.

STORAGE:

Store in a cool, dry, well ventilated area away from incompatible materials. Keep containers closed when not in use.

Other Precautions:

"Empty" containers can retain product residue and can be hazardous. Follow all MSDS precautions in handling empty containers. Do not cut or weld on or near empty or full containers.

Prevent prolonged or repeated breathing of vapors released during application process. Reports have associated repeated and prolonged overexposure to solvents with permanent brain damage and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

8. Exposure Controls/Personal Protection:

Ventilation Requirements:

GENERAL MECHANICAL: Exhaust ventilation capable of maintaining emissions at the point of use below OSHA PEL.

LOCAL EXHAUST: Open doors & windows. If used in an enclosed area, use exhaust fans.

Exhaust fans should be explosion-proof or set up in a way that flammable concentrations of vapors are not exposed to electrical fixtures or hot surfaces.

Personal Protective Equipment:

RESPIRATORY PROTECTION:

For operations where the exposure limits may be exceeded, a NIOSH approved organic vapor respirator or supplied air respirator is recommended. Equipment selection depends on the contaminant type and concentration. Select in accordance with 29 CFR 1910.134 and good industrial hygiene practice.

For firefighting, use self-contained breathing apparatus.

EYE PROTECTION:

Safety glasses with side shields or safety goggles.

SKIN PROTECTION:

Rubber gloves are adequate for normal use of the product. For long exposures to the substance, chemical resistant gloves may be required to avoid prolonged exposure.

OTHER PROTECTION:

An eye wash and safety shower should be available in the work area.

9. Physical and Chemical Properties:

Boiling Point: ~133 °F

Melting Point: NI

Evaporation Rate (Butyl Acetate = 1): ~5.5

Vapor Pressure (mm Hg.): ~180

Specific Gravity (H2O = 1): 0.79300

Vapor Density (AIR = 1): 2.0

Solubility In Water: 70% @ 68 ° F

Appearance and Odor: Clear Liquid / Penetrating Odor

Other Information: NI

10. Stability and Reactivity:

Stability:

Stable.

Incompatibility (Materials to Avoid):

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Oxidizing agents, alkalis, amines, ammonia, acids, chlorine compounds, chlorinated inorganics (potassium, calcium and sodium hypochlorite) and hydrogen peroxides. May attack plastic and rubber compounds.

Decomposition/By Products:

Burning can produce carbon monoxide, carbon dioxide, water, cyanide, hydrogen cyanide, and vapors of chemicals listed in Section II.

Hazardous Polymerization:

Will not occur.

11. Toxicological Information:

CHRONIC TOXICITY: Prolonged or repeated overexposure can cause dermatitis and damage to the kidney, liver, lungs and central nervous system.

TOXICITY DATA

Acetone:

Oral rat LD50: 5,800 mg/kg.

Inhalation rat LC50: 50,100 mg/m³/8 hours

Methyl Ethyl Ketone:

Oral rat LD50: 2,737 mg/kg.

Inhalation rat LC50: 23,500 mg/m³/8 hours

Skin rabbit: 6480 mg/kg

SENSITIZATION:

None of the components are known to cause sensitization.

CARCINOGENICITY:

None of the components are listed as a carcinogen or suspect carcinogen by NTP, IARC or OSHA.

MUTAGENICITY:

Acetone and Methyl Ethyl Ketone are generally thought not to be mutagenic.

REPRODUCTIVE TOXICITY:

Methyl Ethyl Ketone has been shown to cause embryofetal toxicity and birth defects in laboratory animals.

12. Ecological Information:

THIS PRODUCT IS NOT EXPECTED TO BE TOXIC TO AQUATIC ORGANISMS.

Acetone: 96 hour LC50 values for fish is greater than 100 mg/L.

Methyl Ethyl Ketone: 96 hour LC50 values for fish is over 100mg/L.

VOC Information:

This product emits VOC's (Volatile Organic Compounds) in its use. Make sure that use of this product complies with local VOC emission regulations, where they exist.

VOC Emission per Test Method SCQAMD 316A: 40 grams/Liter

13. Disposal Considerations:

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

RCRA Hazardous Waste Number: U002 (Acetone), U159 (MEK)

EPA Hazardous Waste ID Number: D001, D035, F003, F005

EPA Hazardous Waste Class: Ignitable Waste. Toxic Waste (Methyl Ethyl Ketone content)

14. Transport Information:

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DOT (DEPARTMENT OF TRANSPORTATION) U.S.:

Proper Shipping Name: Less than 1 Liter = Consumer Commodity
Greater than 1 Liter = Flammable Liquid, N.O.S.

Hazard Class/Packing Group: Less than 1 Liter = ORM-D
Greater than 1 Liter = 3, PGII

UN/NA Number: Less than 1 Liter = None
Greater than 1 Liter = UN1993

Hazard Labels: Less than 1 Liter = Consumer Commodity, ORM-D
Greater than 1 Liter = Flammable Liquid (Methyl Ethyl Ketone, Acetone)

INTERNATIONAL MARITIME DANGEROUS GOODS:

Proper Shipping Name: Flammable Liquid, N.O.S.), Limited Quantity

Hazard Class/Packing Group: 3, II

UN Number: UN1993

Label: Flammable Liquid N.O.S.

2004 NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER: 128

15. Regulatory Information:

SARA, Section 311 / 312, Hazard Category:

Acute Health
Chronic Health
Flammable

SARA, Section 302, Extremely Hazardous Substances:

This product does not contain chemical regulated under SARA Section 302.

SARA, Section 313, Toxic Chemical:

This product contains the following chemicals subject to SARA Title III, Section 313 reporting requirements:
Methyl Ethyl Ketone, CAS# 78-93-3

CERCLA 103, Reportable Quantity:

Spills of this product over the RQ (reportable quantity) must be reported to the National Response Center; The RQ for the product, based on the RQ for Methyl Ethyl Ketone (100% maximum) of 5,000 lbs. is 5,000 lbs. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

CALIFORNIA PROPOSITION 65:

This product does not contain any chemical subject to California Proposition 65 regulation.

TSCA INVENTORY:

All of the components of this product are listed on the TSCA inventory.

16. Other Information:

KEEP AWAY FROM HEAT SPARK AND FLAMES AT ALL TIMES.

STORE IN A COOL DRY PLACE.