

PRECAUTIONS USING CLEANING FLUIDS

1. GENERAL

1.01 This section covers precautions to be observed when using cleaning fluids which have been specified in Section 065-330-120.

1.02 This section is reissued for the following reasons:

- (a) To revise 1.05 for clarity
- (b) To revise 2.02 to delete portable fan for dispersing fumes
- (c) To revise 2.06 for clarity and to correct error
- (d) To add 2.10
- (e) To revise Table A to add KS-20682 and KS-21480 L1 cleaners and revise characteristics of other cleaners.

1.03 Most of these cleaning agents have characteristics which make them dangerous unless they are properly handled. Handling of the cleaning fluid is made safer when it is clearly known whether the cleaner is typed as an irritant, a toxicant, or is flammable or combustible. Some cleaning agents may be classified under more than one type. Certain precautions must be observed to ensure safe handling of each type while being used.

1.04 All cleaning fluids shall be used only in accordance with Bell System Practices.

1.05 Chemical goggles shall be worn at all times when there is a possibility that the cleaning fluid may be splashed.

1.06 ***LABELS MUST BE READ—WARNINGS HEADED!***

2. PRECAUTIONS

General

2.01 Cleaning fluids having irritant effects, either to the skin or to the eyes, should be handled

in such a way as to avoid contact with skin or from splashing in the eyes. In the case of contact, flush skin or eyes with plenty of water for 15 minutes, and for the eyes, get prompt medical attention. Medical attention may also be needed for skin irritation, although usually not as urgent.

2.02 Cleaning fluids having toxic vapors should never be used in closed areas without adequate ventilation. Prolonged or repeated breathing of the vapor shall be avoided.

2.03 Flammable or combustible materials shall only be used where there is adequate ventilation and shall never be used near sparks or open flame.

2.04 Some cleaning fluids are highly toxic if swallowed and may be very harmful or even fatal. If swallowed, do not induce vomiting. Get prompt medical attention.

2.05 KS-20406 spray cleaner will decompose into potentially harmful products if sprayed on extremely hot surfaces, such as a soldering copper. It also removes lubricant, and where lubricant is necessary, area must be relubricated after using spray.

2.06 The irritant effects on the skin from these cleaners may be prevented either by wearing impervious gloves or by using an approved barrier cream, such as Kerodex® 51. This covers the hand like a glove and prevents degreasing of the skin. It is readily removed with soap and water.

2.07 Cleaning fluids should not be used in open containers for the purpose of dipping parts. They should not be used for any other purpose or in any other way than described in approved Bell System Practices.

2.08 If cleaning fluids having toxic vapors are spilled on the clothing, all clothing should be removed immediately and washed thoroughly before reuse.

2.09 Skin frequently subjected to solvents, such as gasoline, kerosene, or petroleum spirits,

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may be injured; and prolonged skin exposure is detrimental to health. Use soap instead of solvent for cleaning the hands. Solvent is most active when confined as when spilled under a wrist watch or on clothing next to the skin. Prolonged breathing of fumes of any solvent may be detrimental to health. For these reasons, the use of solvents in confined areas should be avoided.

2.10 ♦The use of any of the chlorinated solvents (KS-20406 L1, KS-19578 L1, and KS-8372)

without adequate ventilation may be especially hazardous. Of those listed, KS-8372 (trichloroethylene) is the most hazardous and should be used only where specified in the Bell System Practice.♦

3. CLEANING FLUIDS

3.01 Table A lists the characteristics of the various cleaning fluids.

→ TABLE A ←

CHARACTERISTICS OF CLEANING FLUIDS

	IRRITANT	TOXICANT	HARMFUL VAPOR	COMBUSTIBLE VAPOR	HARMFUL IF SWALLOWED	FLAMMABLE
Cleaner KS-14356	YES	YES	YES	YES	YES	NO
Cleaner KS-20543 L1	YES	YES	YES	YES	YES	NO
Cleaner KS-20682	YES	YES	YES	YES	YES	NO
Cleaner KS-21480 L1	YES	YES	YES	YES	YES	NO
Cleaner, Lubricant KS-16328 L2	YES	YES	YES	YES	YES	YES
Cleaner, Spray* KS-20406 L1	NO	YES	YES	NO	YES	NO
Compound KS-16736 L1	YES	YES	NO	NO	YES	NO
Emulsion KS-19566 L1	YES	YES	YES	YES	YES	NO
Fluid, Washing KS-16359 L1	YES	YES	YES	YES	YES	NO
Fluid, Washing KS-16436 L1	YES	YES	YES	YES	YES	NO
Kerosene (Commercial)	YES	YES	NO	YES	YES	YES
Solvent KS-8446	YES	YES	YES	YES	YES	NO
Spirits, Petroleum KS-7860	YES	YES	YES	YES	YES	YES
KS-14722	YES	YES	YES	YES	YES	YES
Trichloroethane KS-19578 L1	YES	YES	YES	NO	YES	NO
Trichloroethylene (Stabilized) KS-8372	YES	YES	YES	NO	YES	NO

* Contents under pressure. Do not puncture can or throw can into fire or incinerator.