

EXAMPLE

INTERPRETATION SUMMARY

Chemical Assessment and Ranking System (CARS)
Hazard Review of Organization X Chemical Product MSDSs
July 2, 2003

Introduction

CARS screens primarily for known hazards and is not a risk assessment tool. Judgment on the part of the inventory holder is needed in order to assess the amounts of product used and potential pathways of exposure. There are a number of products for which the MSDS information is incomplete. Several products list proprietary ingredients for which no CAS number is provided. CARS cannot screen chemicals without accurate ingredient and CAS number listings.

Hazards Identification

Significant Products

Products containing significant concentrations and multiple hazardous ingredients include: (See CARS output files below – not including in example)

1. *Special R-AWAY*
2. *Lacquer Thinner*
3. *75 Xexes Products*

Other significant products

Volatile solvents including toluene and ethyl acetate and/or hexane:

- Clear Lacquer Sanding Sealer (toluene, ethyl acetate and methyl ethyl ketone)
- Clear Dead Flat (toluene, ethyl acetate and methyl ethyl ketone)
- Non-Metallic and Base colors (toluene and EA)
- Classic toners (toluene and EA)
- Wax Wash aerosol (just toluene)
- 103-27 (from Wood Finishes) (toluene and EA)
- Contact adhesive (toluene and hexane)
- Spray Adhesive, CH Free (toluene and hexane)
- Lacquer Thinner (toluene, xylenes, ethylbenzene)
- M102-0491 Sanding Sealer (toluene and xylene)
- Oil Stain (toluene and xylene)

Halogenated solvents (no CAS numbers):

Liquid Paint and Varnish Remover
Semi-paste Paint Remover

Styrene:

Light weight body filter

EXAMPLE

Endocrine disruptor and liver/kidney toxicant, dibutylphthalate and butoxyethanol:
W2 Primer, Light Gray

Phenol:

Glass Fiber Air Filter Media/Oil Treated, Triaryl Phosphate

Potential Inhalation hazards:

Almandite Garnet Sand

103-0537 (from Wood Finishes) (quartz, magnesium silicate hydrate)

Others containing silica, talc: i.e. Trip and Silver foam

Strong acids (corrosive):

Clean Soldering Fluxes (HCl, zinc and ammonium chloride)

Brown (selenious and hydrochloric acids)

Green (nitric, sulfuric, hydrochloric acids)

PBTs:

Primarily Eco-toxic metals (except for 1,1,1-trichloroethane). Screened also by TRI listed metals.