

CASE STUDY

CANNABIS RESIDUE CLEANING

Facility & Equipment cleaning with Chematic® 420

DOBER

CURRENT CLEANING CHALLENGE

Isopropanol (IPA) has been historically used to clean Cannabis related residues such as resins & oils due to the ease of cleaning that it provides. However, growers and manufacturers want to now implement Water-based cleaners due to the dangers that IPA poses like

- ✗ **EXPOSURE HAZARDS**
Inhalation limit is 200 ppm for 8 hour period. Cleaning may require being exposed to higher quantities
- ✗ **HIGH TOXICITY**
LD50 in Rat > 4000 mg/kg. As IPA is not diluted before use, this is the toxicity level that user is exposed to
- ✗ **SPECIAL PPE REQUIREMENTS**
Flame resistant clothing, respirators
- ✗ **HIGHLY FLAMMABILITY**
Flash Point = 54° F/12°C with Lower Explosive Limit=2% in air
- ✗ **STRINGENT STORAGE CONDITIONS**
Need for Flameproof ventilated cabinets, multiple OSHA, NFPA, IBC standards/codes to be followed
- ✗ **SPECIAL DISPOSAL REQUIREMENTS**
Usually needs to be recovered & incinerated
- ✗ **INCOMPATIBILITY WITH CERTAIN MATERIALS**
This can result in the damage of equipment or parts such as rubber O-rings or seals

HAZARDOUS CLEANING OPTION FOR FACILITY & EQUIPMENT

CHEMATIC® SOLUTIONS & RESULTS

Water-based Chematic® Formulated Detergents are designed to effectively clean Cannabis soils & other oily/waxy residues without the hazards of solvents or highly alkaline cleaners. It can be used on multiple surfaces for manual/automated cleaning with these advantages

- ✓ **NO EXPOSURE LIMITS IN DILUTE FORM**
Chematic® 420 has no exposure hazard to the users at 100% concentration
- ✓ **LOW TOXICITY**
Hazardous components are below reportable levels thus non-toxic for manual cleaning
- ✓ **REGULAR PPE REQUIREMENTS**
Not corrosive. No Respirator requirement
- ✓ **NOT FLAMMABLE**
Eliminates the need for flameproof safety measures or potential explosion hazards
- ✓ **NO SPECIAL STORAGE CONDITIONS**
To be stored at room temperatures and to be kept separated from concentrated acids
- ✓ **NO SPECIAL DISPOSAL REQUIREMENT**
It is not an aquatic toxin
- ✓ **COMPATIBLE WITH MOST MATERIALS**
Material compatibility confirms compatibility with most materials used in equipment construction

SAFER, NSF CERTIFIED MODERATELY ALKALINE CLEANER

CLEANING WITH CHEMATIC® 420



TRIMMING ROOM BEFORE AND AFTER



DRYING ROOM BEFORE AND AFTER