

CHEMICAL SAFETY MOMENT

Issue 20 – February 2016

SDS Trivia: Section 11 - Toxicological Information: What is LD₅₀ and what limit is considered Highly Toxic?

BioRaft is Live!



As of February 6th, BioRaft will officially replace EHS Assistant for all training and laboratory inspections needs for the University. If you are a member of the CBC department and deal with chemicals, laboratory spaces, teaching labs, or shops, you should login to BioRaft today!

delaware.bioraft.com

Wait, there's more!

BioRaft also offers modules for **self-inspections!** Once a lab is setup, the PI or Lab Safety Officer (LSO) can perform inspections for their own lab. What better way is there to prep for an EHS inspection or DNREC surprise audit?

If you are a PI, student, or staff member and would like assistance with setting up your lab, or would like to learn more about self-inspections, please contact Brandon.

Start group meetings with Safety!



Group meetings are a great place to bringing up safety concerns. Take five minutes to chat about a safety issue that you have observed lately. If there are no current lab issues, discuss a safety topic that you have seen on Chemical Safety Moments or the results of your last self-inspection!

Encourage your lab mates to be Safe!

Do your lab mates follow safety policies? Do you think your group could improve their safety behavior in the lab?

Being safe is not just about your personal safety, it is also about the safety of those around you. Make sure your lab discusses safety and help each other out to improve the safety culture in your lab.

It will help you keep the lab running smoothly and will help you in your professional careers.



Answer: Lethal dose (LD₅₀) is the amount of substance administered that kills 50 percent of a test sample. It is expressed in mg/kg, or milligrams of substance per kilogram of body weight. Highly Toxic is an LD₅₀ 5-50 mg/kg (oral). Lethal equivalent for a 70-kg (150 lb) human is 7 drops – 1 tsp (5 mL).