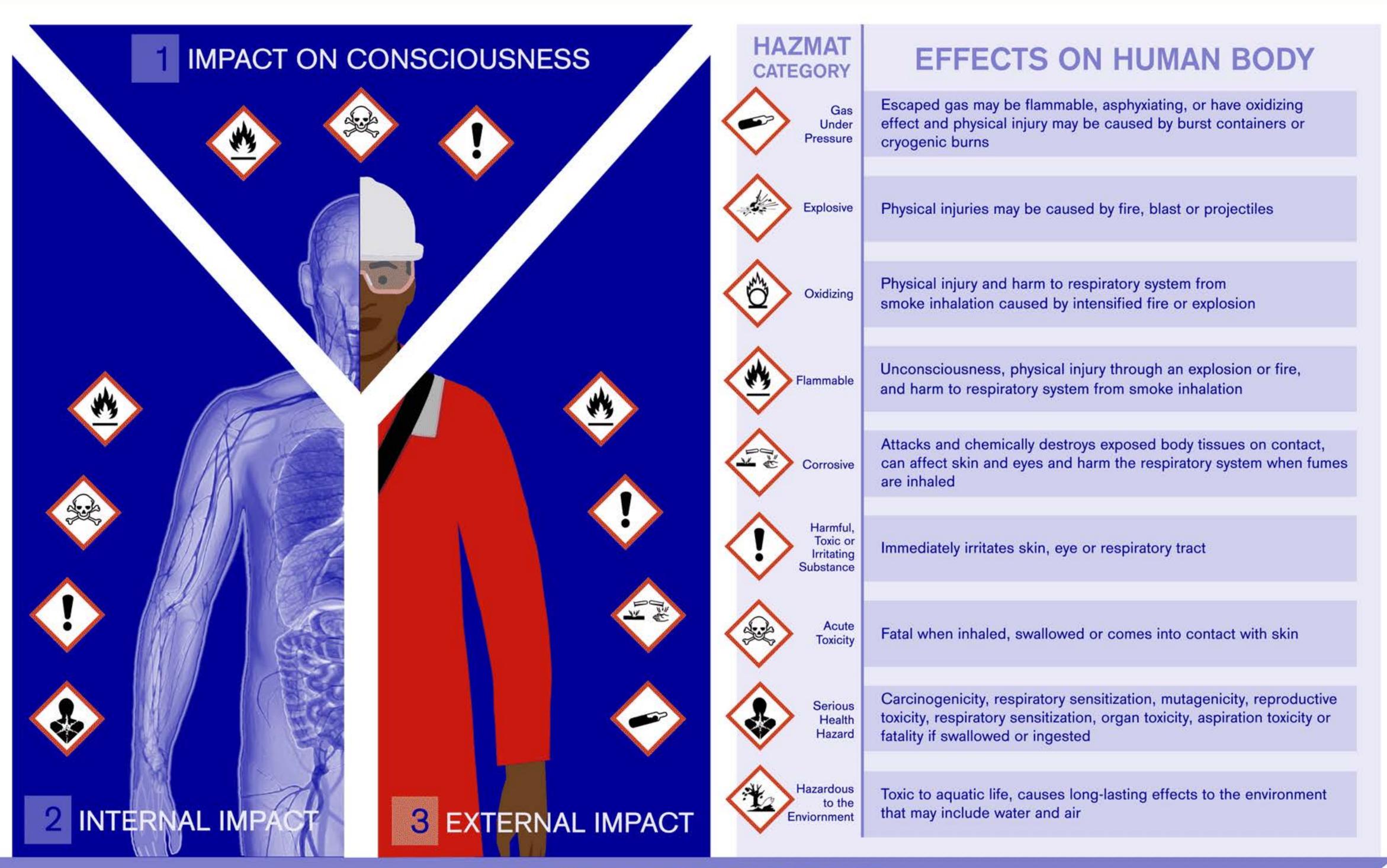
How to Protect Yourself from HAZMATs in the Oil & Gas Industry

Hazardous materials, commonly called HAZMATs, are dangerous products that are often subject to chemical regulations. HAZMATs can be toxic, pathogenic, allergenic, asphyxiating, flammable, explosive, corrosive, oxidizing or biohazardous, in a solid, liquid or gaseous form. By this they can cause harm to living organisms, the environment or both. To stay safe at work, it is critical to recognize the damage that exposure to different kinds of HAZMATs can cause. All harmful effects HAZMATs can cause the human body can be sorted into three main categories: impact on the consciousness, internal body, and external body.



YOU KNOW? The most typical HAZMAT within the oil and gas industry is sour oil and gas caused by its high amounts of sulfur and hydrogen sulfide (H₂S). Oil and gas is often mixed with highly-flammable hydrocarbons, so there are also additional carcinogenic and toxic risks. The most dangerous on-site jobs include drilling, CSE, leg entry and the preparation of chemical mixtures for drilling fluids.



THREE RISK LEVELS: DEFINED

TWA

Name: Time-Weighted Average Exposure Time: Average more than

8 hours/day

Adverse Effect: None

STEL

Name: Short-Term Exposure Limit Exposure Time: Maximum 15 minutes of continuous exposure Adverse Effect: None

IDLH

Name: Immediately Dangerous to Life or Health Exposure Time: 30 minutes escape Adverse Effect: Immediate or delayed permanent adverse health effect or death