HAZARDS ASSOCIATED WITH COMMONLY COLLECTED CHEMICALS AT HIM/NRB

Chemical Name	Hazards	Chemical Name	Hazards
acetic acid	C	iodine	C,T
acetic anhydride	C	isoamyl alcohol	I
acetone	I	isobutanol (isobutyl alcohol)	T, I
acetonitrile	T, I	isopentane	T, I
acrylamide	T	isopropanol (isopropyl alcohol)	I
ammonium hydroxide	C, T	isopropyl ether	I
benzene	T, I	kainic acid	T
benzidine	T	mercaptoethanol	T
ß-mercaptoethanol	T	mercury	T
bis-acrylamide	T	methanol (methyl alcohol)	I
Bouin's solution (picric acid, formaldehyde, acetic acid)	T	methylamine	T,C,I
butanol (butyl alcohol)	I	2-methylbutane	T,I
carbon tetrachloride	T	methylene chloride	T
cesium chloride	T	n-methylpyrrolidone (NMP)	T
chloroform	T	nickel compounds	T
cobalt compounds	T	nitric acid	T,C,I (oxy)
cyanogen bromide	T	n-octyl B-D-glucopyranoside	T
deuterium oxide (heavy water)	T	organosilane	T,I
developer	T	osmium tetroxide	T
diaminobenzidine	T	paraformaldehyde	T
1,2-dichloroethane	I	Permount	T,I
dichloromethane	T	phenol	T
diethyl ether	T	phosphoric acid	C
diisopropylethylamine (DIEA)	T	picric acid	T, R
dimethylformamide	T	piperidine	T, C, I
dimethylhydrazine	T,C, I	potassium hydroxide	C
dimethyl sulfoxide (DMSO)	T	pyridine	T, I
diisopropylethylamine (DIEA)	C, I	silica gel	T
1,4-dioxane	T, I	silicone	T
ethanethiol	T, I	silver nitrate	T,C, I (oxy)
ethanol	I	sodium azide	T
ethidium bromide	T	sodium borohydride	T, R
ethyl acetate	I	sodium carbonate	T
ethyl ether	I	sodium dodecyl sulfate (SDS)	T
ethyl formate	I	sodium hydroxide	T,C
fixer	T	sodium nitrate / sodium nitrite	T
formaldehyde	T	sulfuric acid	T,C, I (oxy)
formalin	T	tetrahydrofuran	I
formamide	T	tetramethylethylenediamine (TEMED)	T,C, I
formic acid	C,T	thianisole	I
glutaraldehyde	T	toluene	T, I
hematoxylin	T	TPA (phorbol myristate acetate)	T
heptane	T, I	trichloroacetic acid	T, C
hexane	I	triethanolamine	T
hydrazine	T, R	trifluoroacetic acid	C,T
hydrochloric acid	C	Triton X-100	T
hydrofluoric acid	C,T	urea	T
hydrogen peroxide	I (oxy)	waste oil	T
hydroquinone	T	xylene	I

I = IGNITABLE, *depends on the concentration (percentage) of the hazardous waste. (flash point of ≤140 F, solids that cause fire through friction or absorption or moisture, oxidizers)*

R = REACTIVE *(unstable, reacts with water, explosive, or toxic when mixed with water or acid)*

T = TOXIC, *health hazard*

C = CORROSIVE, *depends on concentration (%), check with pH tape. (pH ≤2.0 or ph ≥12.5)*