	SOLID MATERIALS	FLAMMABILITY	LOCATION	SAFETY	SAFETY MEASURES	COMMENTS AND TECHNIQUE LIMITATIONS			
	WOOD PRODUCTS								
	Wood	NF	2.3	Н	A,B,C possibly D,E	check toxicity of species, you may have to use extra safety equipment			
		NF	2,3	NH	A,B,C				
	MDF	NF	3	Н	A,B,C	always wear a dust mask, most brands off gas formaldehyde			
	MDO	NF	2.3	NH	A,B,C				
	Particle Board	NF	3	Н	A.B.C	always wear a dust mask, most brands off gas formaldehyde			
	OSB	NF	3	NH	A,B,C				
		NF	2.3	NH	A,B,C	pre-approved materials only			
		NF	1,2,3	NH	A,B,C	safety equipment if machinery used			
	Hard board	NF	2.3	NH	A,B,C	Galety equipment if machinery accu			
		NF	1,2,3	NH	A,B,C				
		NF	1,2,3	NH	A,B,C	safety equipment if machinery used, usually hand cut			
	Verticers INF 1,2.5 INF IA.5.0 Isarety equipment if machinery used, usuany nario cut  METALS								
		NF	2,3	NH	A,C	thin material can be cut on model shop tools, thicker stock in wood shop only			
	Copper	NF	2,3	NH	A,C	thin material can be cut on model shop tools, thicker stock in wood shop only			
	Brass	NF	2.3	NH	A,C	thin material can be cut on model shop tools, thicker stock in wood shop only			
		NF	2,3	NH	E	can be hammered, hand cut <i>do not</i> melt, wash hands, dispose of properly			
		NF	2,3	NH	A,C	can be cut with hack-saw only, <u>no</u> grinding, <u>no</u> sanding on machines, <u>no</u> sparks			
-	Sheet metal	NF NF	2,3	NH	A,C,E	can be cut with nack-saw only, <u>no</u> grinding, <u>no</u> sanding on machines, <u>no</u> sparks  can be cut with hack-saw only, <u>no</u> grinding, <u>no</u> sanding on machines, <u>no</u> sparks			
-		NF NF	2,3	NH	A,C,E A,C				
$\vdash$	Zinc Tin	NF NF	2,3	NH	A,C	can be cut with hack-saw only, <u>no</u> grinding, <u>no</u> sanding on machines, <u>no</u> sparks can be cut with hack-saw only, <u>no</u> grinding, <u>no</u> sanding on machines, <u>no</u> sparks			
-		NF NF	4	NH	Λ,0				
	Gold leaf (water leaf) Gold leaf, (Dutch leaf)	NF F	2.4	NH	F	Silver leaf is the same Silver leaf is the same			
	,	r NE	,		E				
		NF	1,2	NH		must share with Lab Coordinator			
_	PLASTICS		1	I	1				
	, , , , ,	NF	2,3	H	A,B,C	cut with proper blade and technique, may heat to bend but <u>no</u> melting, glue in spray booth only			
_	Polycarbonates (Lexan)	NF	2,3	Н	A,B,C	cut with proper blade and technique, may heat to bend but <u>no</u> melting, glue in spray booth only			
	Phenolic-resin	NF	2,3	H	A,B,C	cut with proper blade and technique, may heat to bend but <u>no</u> melting, glue in spray booth only			
		NF	2,3	Н	A,B,C	cut with proper blade and technique, may heat to bend but <u>no</u> melting, glue in spray booth only			
	PVA	NF	2,3	H	A,B,C	cut with proper blade and technique, may heat to bend but <u>no</u> melting, glue in spray booth only			
_	UHMW	NF	2,3	H	A,B,C	cut with proper blade and technique			
		NF	2,3	NH	A,B,C	Formica brand products, special blade and technique for cutting on table saw			
	Polyethylene sheeting	NF	1,2,3	NH		plastic sheets in a roll			
	Sintra	NF	2,3	H	A,B,C	cut with proper blade and technique, glue in spray booth only			
		NF	2,3	NH	A,B,C	cut with proper blade and technique, glue in spray booth only			
	MODELING MATERIALS			-					
		NF	2	NH	E	dispose of properly			
	Clay	NF	1,2	NH		dispose of properly			
	Concrete	NF	2	NH	E	dispose of properly			
		NF	1,2	NH		dispose of properly			
	Modeling Paste	NF	1,2	NH		dispose of properly			
	Geltrait, dental molds	NF	1,2	NH	E	dispose of properly			
<u> </u>		NF	1,2	NH		do not use open flame to sculpt, dispose of properly			
		NF	1,2	NH	E	dispose of properly			
<u> </u>	Latex Rubber (Hydrocal)	NF	1,2	NH	E	dispose of properly			
	, ,	NF	4	Н	D, E	spray booth only			
	FOAMS								
		NF	2,3	Н	В	hand cut only, DO NOT USE A HOT WIRE!, DO NOT MELT!			
		NF	2,3	Н	В	hand cut only, DO NOT USE A HOT WIRE!, DO NOT MELT!			
	Blue board	NF	2,3	Н	В	hand cut only, DO NOT USE A HOT WIRE!, DO NOT MELT!			
		NF	2,3	Н	В	hand cut only, DO NOT USE A HOT WIRE!, DO NOT MELT!			
L	Gator board or foam core	NF	1,2,3	NH		do not burn			
	OFF THE WALL STUFF	•	•						
	Rubber	NF	1,2	NH		hand cut only, no machinery			
	Graphite powder	NF	1,2,4	NH	E	very fine powder, used for drawing			
	Felt	NF	1,2	NH		hand cut only, no machinery			
		NF	1,2	NH		hand cut only, no machinery			
	Fiberglass sheet (Shoji)	NF	1,2	NH	A,B,E	hand cut only, no machinery			
	Rockite	NF	1,2	NH	В	very fine dust when sanded, recommend this done in model shop only			
	Glass	NF	2	NH	A	hand cut only, no machinery, no etching unless pre-approved			
		NF	2	NH	A	hand cut only, no machinery			
_	•		•		•	·			

LIQUID MATERIALS	FLAMMABILITY	LOCATION	SAFETY	SAFETY MEASURES	COMMENTS AND TECHNIQUE LIMITATIONS
PAINTS					
Water based paints	NF	1,2,4	NH		includes water color, casein, acrylic, house paints, alkyds, water based enamels, dispose of properly
Oil based paints	F	4	Н	E	includes artist oil, encaustic, house paints, oil based enamels (mineral spirit to clean up), dispose of properly
Spray paints	F	4	Н	D,E	dispose of properly
SOLVENTS					
Turpentine	F	4		D,E	store in flammable liquid cabinet only, see MSDS
Paint thinner	F	4		D,E	store in flammable liquid cabinet only, see MSDS
Kerosene	F	4		D,E	store in flammable liquid cabinet only, see MSDS
Toluene	F	4		D,E	found in common formulas as a solvent, store in flammable liquid cabinet only, see MSDS
Xylene	F	4		D,E	found in common formulas as a solvent, store in flammable liquid cabinet only, see MSDS
VM&P Naphtha	F	4		D,E	store in flammable liquid cabinet only, see MSDS
Denatured alcohol	F	4		D,E	store in flammable liquid cabinet only, see MSDS
Acetone	VF	4		D,E	for cleaning and releasing super glue, store in flammable liquid cabinet only, see MSDS
trisodiumphosphate "TSP"	NF	4		A,E	for degreasing, see MSDS
Mineral Spirits	F	4		D,E	store in flammable liquid cabinet only, see MSDS
Lacquer thinner	VF	4	VH	D,E	store in flammable liquid cabinet only, see MSDS
FINISHES					
Varnish, oil based	F	4	Н	D,E	wipe on or brush on only, spray booth only, put used rags in oily rag can, dispose of properly, see MSDS
Varnish, water based	NF	2,4		E	wipe on or brush on only, spray booth only, put used rags in oily rag can, dispose of properly, see MSDS
Oil finishes, e.g. Danish oil	F	4	Н	D,E	wipe on or brush on only, spray booth only, put used rags in oily rag can, dispose of properly, see MSDS
Stains, oil based	F	4	NH	Е	wipe on only, put used rags in oily rag can, dispose of properly, see MSDS
Stains, water based	NF	2,4	NH	E	wipe on only, put used rags in oily rag can, dispose of properly, see MSDS
Boiled Linseed oil	F	4	Н	Е	wipe on only, put used rags in oily rag can rags can spontaneously combust, dispose of properly, see MSDS
Natural oils	NF	2,4	NH	E	pure tung oil, pure linseed oil, mineral oil, put used rags in oily rag can, dispose of properly, see MSDS
Wax	NF	1,2,4	NH	E	put used rags in oily rag can, see MSDS
Shellac	F	2,4	NH	E	wipe or brush on only, no spraying, put used rags in oily rag can, dispose of properly, see MSDS
Dyes, water based	NF	1,2,4	NH	Е	wipe or brush on only, no spraying, see MSDS
Dyes, alcohol based	F	2,4	NH	E	wipe or brush on only, no spraying, see MSDS
Dyes, oil based	F	4	NH	Е	wipe or brush on only, no spraying, put used rags in oily rag can, dispose of properly, see MSDS
Stripper, dibasic esters "DBE"	NF	4	Н	A,D,E	dispose of properly, see MSDS
Stripper, n-methyl-2-pyrrolidone"NMP"	NF	4	Н	A,D,E	dispose of properly, see MSDS
Stripper, butyrolactone "BLO"	NF	4	Н	A,D,E	dispose of properly, see MSDS
Pre stain conditioner	F	4	NH	E	put used rags in oily rag can, see MSDS
Lacquer , water based	NF	4	Н	D,E	dispose of properly, see MSDS
Sanding sealers	F	4	NH	D,E	check can to see what kind, i.e. shellac, varnish, lacquer; take appropriate precautions, see MSDS
Chlorine bleach	NF	4	Н	A,D,E	check with Lab Manager first, see MSDS
2-part wood bleach	NF	4	Н	A,D,E	check with Lab Manager first, see MSDS
Patination processes	NF	4	Н	A,D,E	check with Lab Manager first, see MSDS
Polishing materials	NF	2,4	NH	A,E	where used and how depends on material, dispose of properly, see MSDS
Pore filler, water and oil based	F	4	NH	D,E	dispose of properly, see MSDS
GLUES					
PVA glue, white or yellow	NF	1,2,3	NH		dispose of properly
Organic glues	NF	1,2,3	NH		includes, rice, wheat, fish, hide (traditional hot hide glue in shop only)
Rubber cement	NF	1,2,3	Н		avoid prolonged exposure in unventilated rooms
Contact Cement, water based	NF	2,4	NH	E	read manufactures label, dispose of properly
Contact Cement, solvent based	F	4		A,D,E	read manufactures label, dispose of properly
Hot glue	F	1,2,3,	NH		caution, do not leave hot gun unattended
2-part epoxy, 5-minute	NF	1,2,3	NH	E	small batches are ok for studios
2-part epoxy, slow-set	NF	2,3	NH	E	for prolonged exposure consider a respirator
Cyanoacrylates (super glues)	NF	1,2,3,4	NH	E	small batches are ok for studio work
Super glue accelerators	NF	4	Н	D,E	super glue accelerators are used in spray booth only with respirator
Spray glues and spray mounts	F	4		A,D,E	includes 3M 77, 3M 90, photo mounts, etc.
2-part urea formaldehyde	NF	3.4		D.E	mix in booth only can be used in wood shop only
Polyurethane	NF	2.3.4	NH	E	dispose of properly

UNAUTHORIZED MATERIALS	FLAMMABILITY	SAFETY	COMMENTS AND RESTRICTIONS			
SOLVENTS						
MEK	VF	VH	not approved			
Methylene Chloride	NF	VH	known carcinogen, used in gluing plexiglass			
Benzene	VF	VH	not approved			
Hexane	VF	VH	not approved			
Gasoline	VF	Н	not approved			
Acids	E	VH	ANY acid			
FINISHES						
Lacquer, Nitrocellulose	VF	Н	no spraying high VOC materials allowed in facilities			
Lacquer, pre catalyzed, CAB	VF	VH	no spraying high VOC materials allowed in facilities			
Lacquer, Acrylic	VF	Н	no spraying high VOC materials allowed in facilities			
Lacquer, Urethane	F	Н	no spraying high VOC materials allowed in facilities			
Isocyanate	NF	VH	any finish or formula which contains this compound, carcinogen			
Crosslinked finish, Aziridine	NF	VH	no spraying high VOC materials allowed in facilities			
Vinyl	F	Н	no spraying high VOC materials allowed in facilities			
Crosslinked finish, Polyester	F	VH	no spraying high VOC materials allowed in facilities			
Stripper with Methylene Chloride	NF	VH	very dangerous carcinogen			
PEG (polyethylene glycol)	NF	Н	not approved			
Heavy duty pool bleaches	NF	VH	extremely caustic			
MOLDING MATERIALS						
Casting resin, 2-part	NF	VH	polyester or any other type that requires a catalyst or thermal reaction to s			
Fiberglass resin	NF	VH	caution, this is a thermoplastic, heavy out gassing			
Polyurethane foam for casting	NF	VH	caution, this is a thermoplastic, heavy out gassing			
2-part polyurethane resins	NF	VH	caution, this is a thermoplastic, heavy out gassing			
LEGEND: COLOR CODE:		_	ARDOUS AT LOW EXPOSURE LEVELS			
		MODERATE HAZARD AT LOW EXPOSURE LEVEL, TAKE PRECAUTIONS				
		HIGH HAZARD AT LOW EXPOSURE LEVELS, PROTECTIVE EQUIPMENT MANDATORY				
		NOT AUTH	ORIZED UNDER ANY CIRCUMSTANCES			
SAFETY MEASURES:	A B C D	EYE-PROTECTION DUST MASK EAR-PROTECTION RESPIRATOR GLOVES, SKIN-PROTECTION				
FLAMMABILITY:	NF F	NON-FLAM				
	VF	VERY FLAM	<del></del>			
	E.	EXPLOSIVI				
LOCATION:	1	STUDIO				
-	2	WOOD SHOP				
	3	MODEL SH				
	4	SPRAY BO				
SAFETY:	NH	NON-HAZA				
	H	HAZARDOI				
	VH	VERY-HAZ	AKDO02			

DISCLAIMER: THIS IS AN EVOLVING LIST, NOT ALL INCLUSIVE. AS THE SCHOOL LEARNS MORE ABOUT PRODUCTS, EITHER THEIR SAFETY OR HAZARD, THIS LIST MIGHT CHANGE. ALWAYS REFER TO MSDS WHEN CONSIDERING USING A CHEMICAL OR A COMPOUND.