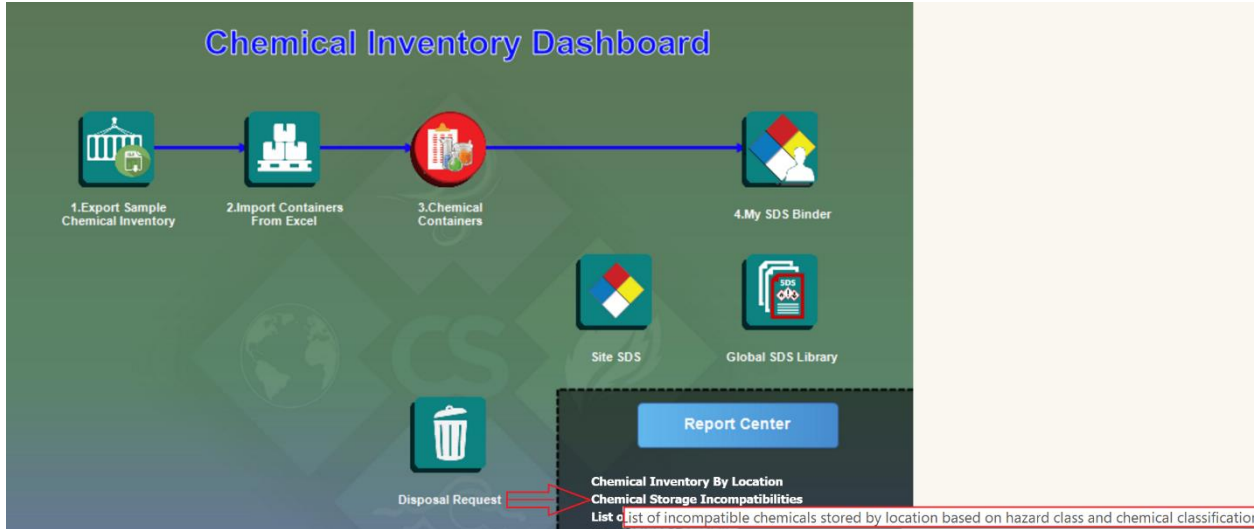


CHEMICAL SAFETY – EMS SOFTWARE
MANAGING CHEMICAL INCOMPATIBILITIES
CHEAT SHEET



Once logged in, click the “Chemical Storage Incompatibilities” to run this report

Reports

Chemical Storage Incompatibilities

DATA SOURCES FIELDS SUMMARY CHART GAUGE MISC STYLE FILTERS PREVIEW

Report List | Save | Save As... | Print | PDF | SOE | Results 100

▼ BUILDING: STORAGE BUILDING
 STORAGE LOCATION: SHELF 1
 INCOMPATIBILITY TYPE: HAZARD CLASS

VIOLATION 1	CHEMICAL1	CHEMICAL1 CAS	BARCODE1	QUANTITY 1	UNIT 1	INCOMPATIBLE VIOLATION 2	INCOMPATIBLE CHEMICAL2	INCOMPATIBLE CAS2	INCOMPATIBLE BARCODE 2
3 FLAMMABLE LIQUID	ACETONE	67-64-1	2224105	4.00	LITERS	5.1 OXIDIZER	CHLORINE GAS	7782-50-5	2224107
3 FLAMMABLE LIQUID	BENZENE	71-43-2	2224106	6.00	GALLONS	5.1 OXIDIZER	CHLORINE GAS	7782-50-5	2224107

▼ BUILDING: STORAGE BUILDING
 STORAGE LOCATION: SHELF 2
 INCOMPATIBILITY TYPE: CLASSIFICATION

VIOLATION 1	CHEMICAL1	CHEMICAL1 CAS	BARCODE1	QUANTITY 1	UNIT 1	INCOMPATIBLE VIOLATION 2	INCOMPATIBLE CHEMICAL2	INCOMPATIBLE CAS2	INCOMPATIBLE BARCODE 2
ACID	ACETIC ACID	64-19-7	2224100	100.00	GRAM	BASE	AMMONIUM HYDROXIDE	1336-21-6	2224101

The report shows two types of incompatibilities:

- Hazard Class incompatibility in Storage Location “Shelf 1”. Acetone and Benzene are incompatible with Chlorine Gas.
- Chemical Classification incompatibility in Storage Location “Shelf 2”. Acetic Acid is incompatible with Ammonium Hydroxide

In order to safely store these chemicals, we will find and transfer Acetone and Benzene to a different location, and will do the same for Acetic Acid.



Click the Chemical Containers Button to open your chemical inventory

Container

New Search Add Tools Actions Help

Labels

20 records

BARCODE	PRODUCT NAME	LOCATION	ROOM	CAS#	TOTAL QTY	UOM	# OF CONT.	
2224100	ACETIC ACID	SHELF 2	C2	64-19-7	100	GRAM	1	
2224101	AMMONIUM HYDROXIDE	SHELF 2	C2	1336-21-6	5	GALLONS	1	
22241010	1 BUTENE C4H8	SHELF 1	A1	106-98-9	2	CUFT	1	
22241011	ZINC SULFATE HEPTAHYDRATE FOR ANA...	SHELF 1	A1	7446-20-0	10	POUNDS	1	
22241012	ZINC SULFATE HEPTAHYDRATE FOR ANA...	SHELF 1	A1	7446-20-0	10	POUNDS	1	
22241013	VALINOMYCIN	SHELF 1	A1	2001-95-8	5	KILOGRAMS	1	
22241014	VALINOMYCIN	SHELF 1	A1	2001-95-8	5	KILOGRAMS	1	
22241015	1 BUTENE C4H8	SHELF 1	A1	106-98-9	2	CUFT	1	
22241016	1 BUTENE C4H8	SHELF 1	A1	106-98-9	2	CUFT	1	
22241017	ZINC SULFATE HEPTAHYDRATE FOR ANA...	SHELF 1	A1	7446-20-0	10	POUNDS	1	S05
22241018	VALINOMYCIN	SHELF 1	A1	2001-95-8	5	KILOGRAMS	1	S05
22241019	1 BUTENE C4H8	SHELF 1	A1	106-98-9	2	CUFT	1	S05
2224102	TRIMETHYLSILANE C3H10SI	SHELF 2	C2	993-07-7	3	CUFT	1	S05
2224103	ABAMECTIN	SHELF 2	C2	71751-41-2	5	GRAM	1	S05
2224104	Ammonium Persulfate	SHELF 2	C2	7727-54-0	5	GALLONS	1	S05
2224105	ACETONE	SHELF 1	A1	67-64-1	4	LITERS	1	S05
2224106	BENZENE	SHELF 1	A1	71-43-2	6	GALLONS	1	S05
2224107	CHLORINE GAS	SHELF 1	A1	7782-50-5	5	GALLONS	1	S05
2224108	ZINC SULFATE HEPTAHYDRATE FOR ANA...	SHELF 1	A1	7446-20-0	10	POUNDS	1	S05
2224109	VALINOMYCIN	SHELF 1	A1	2001-95-8	5	KILOGRAMS	1	S05

Transfer

Dispose/Consume Quantity

Surplus

Request Container

Approve Container

BOL

KR

Current Lookup

Multiple Records

- The three incompatible chemicals are highlighted.
- Click Actions, Transfer, Current Lookup

Please select Container

20 records

BARCODE	PRODUCT NAME	LOCATION	ROOM	CAS#	TOTAL QTY	UOM	# OF CONT.
<input checked="" type="checkbox"/> 2224100	ACETIC ACID	SHELF 2	C2	64-19-7	100	GRAM	1
<input type="checkbox"/> 2224101	AMMONIUM HYDROXIDE	SHELF 2	C2	1336-21-6	5	GALLONS	1

- Select Acetic Acid and Click OK

Container Transfer

Loc./Desc.: ... Location ID: 21103


Employee Last: Employee #:

Loc/Desc.	Building	Building Number
LOCATION FACILITY	BUILDING FACILITY	
SHELF 1		
SHELF 1		
SHELF 1	STORAGE BUILDING	
SHELF 2		
SHELF 2		
SHELF 2	STORAGE BUILDING	

7	CHLORINE GAS	SHELF 2					GALLONS	1
3	ZINC SULFATE HE	SHELF 2					POUNDS	1
3	VALINOMYCIN	SHELF 1	A1	2001-95-8	5		KILOGRAMS	1

From the Container Transfer box, click the location table and select "LOCATION FACILITY", then click OK.

EMS

 Container '2224100' successfully transferred.

EMS confirms that the chemical was successfully transferred to the new location.

<input type="checkbox"/>	2224104	Ammonium Persulfate	SHELF 2	C2	7727-54-0	5	GALLONS	1
<input checked="" type="checkbox"/>	2224105	ACETONE	SHELF 1	A1	67-64-1	4	LITERS	1
<input checked="" type="checkbox"/>	2224106	BENZENE	SHELF 1	A1	71-43-2	6	GALLONS	1
<input type="checkbox"/>	2224107	CHLORINE GAS	SHELF 1	A1	7782-50-5	5	GALLONS	1
<input type="checkbox"/>	2224108	ZINC SULFATE HEPTAHYDRATE FOR...	SHELF 1	A1	7446-20-0	10	POUNDS	1
<input type="checkbox"/>	2224109	VALINOMYCIN	SHELF 1	A1	2001-95-8	5	KILOGRAMS	1

➤ Select the other two chemicals and Click OK

Container Transfer

VALINOMYCIN
VALINOMYCIN
1 BUTENE C4H8
1 BUTENE C4H8
ZINC SULFATE HEPTAH

Loc./Desc.: ... Location ID:
Employee Last: ... Employee First: Employee #:

Please select Location


7 records

Loc./Desc.	Building	Building Number	Room	Department	Floor	Facility	
LOCATION FACILITY	BUILDING FACILITY					FACILITY	>
SHELF 1	STORAGE BUILDING		A1	STORAGE		FACILITY	>
SHELF 1			A1	STORAGE			>
SHELF 1			LAB A1	CHEMISTRY			>
SHELF 2			C2	STORAGE			>
SHELF 2			LAB C2	CHEMISTRY			>
SHELF 2	STORAGE BUILDING		C2	STORAGE		FACILITY	>

Loc./Desc. ▾ Begins with ▾

➤ Select Shelf 2 in Storage from the location table and click OK.

EMS

 Container '2224105': Product not permitted in this location.
Container '2224106': This chemical violates Inventory Compatibility Rules.
-Limit exceeded: 3 is not compatible with 5.1 (location level)
-Limit exceeded: 3 is not compatible with 5.1 (location level)
-Limit exceeded: 3 is not compatible with 5.1 (location level)
-Limit exceeded: 3 is not compatible with 5.1 (location level)

EMS stops the transfer and reports the issue that will not allow these chemicals to be transferred to the chosen location.

Every time a chemical transfer is attempted, EMS checks compatibility and permission rules and permits or stops the chemical transfer.

Container Transfer

Loc./Desc.: LOCATION FACILITY ... Location ID: 21103


Employee Last: ... Employee First: Employee #:

Ignore Transfer Rules:

Ok Cancel

This time, select "LOCATION FACILITY" from the Location table and click OK.

EMS

 Container '2224105' successfully transferred.
Container '2224106' successfully transferred.

Ok

EMS confirms that the transfer was successful.

If you run the incompatibilities report again, the report will now return no results, since no chemical storage incompatibilities exist.