SECTION 4

FILE QUERY PROCEDURES

4.1 Data SubSect to Query. The following data elements are subject to query:

a. DOT Hazard Class
b. Water Hazard Class
c. Tariff 6D Hazard Class
d. IATA Hazard Class
e. AFR 71-4 Hazard Class
f. NIOSH Code
g. Storage Compatibility Code
h. Specif icat ion Number
i. Individual NSNS (in NIIN sequence)

The search can be for all items in file which match the item being queried or for only those of a particular managing focal point indicator. The outputs will be grouped by interrogating focal point and will contain all the special int arrogations reque steal by the focal point during the time period.

4.2. Instructions for Query Preparation. A written request from the focal points is required to query the system but telephone requests will be accepted for priority requests provided that a written confirmation follows. The average turnaround time for rout ine requests will normally be eight working days. The following information should be included in the request:

a. The inquiring focal point code
b. The data field being interrogated (i.e. DoT Hazard Class, AFR 71-4 Hazard Class, NIOSH Code, Storage Code etc.)
c. The specific data element in the data field to be matched (i.e. FLAMMABLE LIQUID, CY 1400000, F2)
d. The managing focal point code involved. If data is desired for all focal points state: "All Focal Points".
e. Whether the NSN, FSCM, P/N Indicator List or Total File record is desired.
f. Specify which activity should receive the output.

4.3 Magnetic Tape Output of DoD Hazardous Materials Information System Files

A. As stated in Section 3, paragraph 3.3.3.1 the master files may be obtained on tape. If a tape is required, the following information must be supplied either in writing or by telephone:

1. Type of File Requested (TD, SD, SDR, XREF, or all).

2. Requesting Focal Point with any special mailing instructions.

B. Output Formats

1. Transportation Data File (TD)

a. File Characteristics

(1) Label - DGHZ.TDMASTER

(2) Record Length - 1680 Characters

(3) Block Size - 6720 Block 4

(4) Recording Mode F B

(5) 9-track 1600 BPI EBCDIC

(6) Standard IBM Labels

(7) Sequence - NIIN, FSC, FSCM and Part Number Ind.

b. Record Format

(l). All fields are zone decimal

(2) Each data field starting with unit of issue (record position 90) contains a field change indicator. If the first position of the field is an asterisk (*) then the field has changed since the last publications. A blank in the first position indicates that no change has been made.

(3) Record Layout

RECORD POSITIONS	FIELD SIZE	FIELD NAME/DESCRIPTION	REP PARA. 3.2.2.3.2
1-13	13	NSN	4a.'
14	1	Action Code	2a.
15	1	Focal Point Indicator	3a.
16	1	Change Code Code 1 for Adds Code 2 for changes or deletes	
17	1	(BLANK)	
18	1	PUB Code Code P for Items that have been published and Blank for all others	
19-20	2	(BLANK)	
21-25	5	Date	la.
26-30	5	FSCM	5a.
31	1	Part Number Indicator	6a.
32-74	43	Part Number	7a.
75-89	15	(RESERVED PROGRAM CONTROL)	
90	1	FIELD CHANGE INDICATOR (FLD CHG IND)	
91-92	2	Unit of Issue	8a.
93	1	(FLD CHG IND)	
94-106	13	Unit of Issue Container Quantity	9a.
107	1	(FLD CHG IND)	
108-120	13	Type of Container	10. a.
121	1	(FLD CHG IND)	
122-132	11	Net Unit Weight	11. a.
133	1	(FLD CHG IND)	
134-149	16	Flash Point	12. a.

RECORD POSITIONS	FIELD SIZE	FIELD NAME/DESCRIPTION	REF PARA. 3.2.2.3.2
150	1	(FLD CHG IND)	
151-155	5	Magnetism	13. a.
156	1	(FLD CHG IND)	
157-168	12	DOT Exemption Number/DoD Certification	14. a.
169	1	(FLD CHG IND)	
170-277	108	Aerosol Propellant	15. a.
278-280	3	(BLANK)	
281	1	(FLD CHG IND)	
282-293	12	Radioactivity	16. a.
294	1	(FLD CHG IND)	
295-302	8	Form	17. a.
303	1	(FLD CHG IND)	
304-306	3	Transport Group	18. a.
307	1	(FLD CHG IND)	
308-313	6	Auto Ignition Temperature	19. a.
314	1	(FLD CHG IND)	
315-327	13	Viscosity	20. a.
328	1	(FLD CHG IND)	
329-335	7	Net Explosive Weight	21. a.
336	1	(FLD CHG IND)	
337-339	3	Coast Guard Ammunition Code	22a.
340	1	(BLANK)	
341	1	(FLD CHG IND)	
342-441	100	DOT Shipping Name	23a.
442	1	(FLD CHG IND)	

RECORD POSITIONS	FIELD SIZE	FIELD NAME/DESCRIPTION	REF PARA. 3.2.2.3.2
443-465	23	DOT CLASS	24a.
466	1	(FLD CHG IND)	
467-491	25	DOT LABEL	25a.
492	1	(FLD CHG IND)	
493-495	3	MODE	26a.
496	1	(FLD CHG IND)	
497-503	7	IDENTIFICATION NUMBER	24.1. a.
504	1	(FLD CHG IND)	
505-507	3	REPORTABLE QUANTITY	24.2. a.
508-520	13	BLANK	
521	1	(FLD CHG IND)	
522-620	99	Water Shipping Name	27a.
621	1	(FLD CHG IND)	
622-644	23	Water Class	28a.
645	1	(FLD CHG IND)	
646-670	25	Water Label	29a.
671	1	(FLD CHG IND)	
672-675	4	United Nations Number	30. a.
676	1	(FLD CHG IND)	
677-679	3	UN Class	31. a.
680	1	(FLD CHG IND)	
681-683	3	Ammunition Compatibility Group	32a.
684	1	(FLD CHG IND)	
685-687	3	DOT Indicator	33a.
688	1	(FLD CHG IND)	
689-691	3	IMCO Indicator	34a.

RECORD POSITIONS	FIELD SIZE	FIELD NAME/DESCRIPTION	REF PARA . 3.2.2.3.2.
692	1	(FLD CHG IND)	
693-792	100	TARIFF 6D Shipping Name	35a.
793	1	(FLD CHG IND)	
794-816	23	TARIFF 6D Class	36a.
817	1	(FLD CHG IND)	
818-842	25	TARIFF 6D Label	37a.
843	1	(FLD CHG IND)	
844-847	4	IATA Article Number	38a.
848	1	(FLD CHG IND)	
849-948	100	IATA Shipping Name	39a.
949	1	(FLD CHG IND)	
950-972	23	IATA Class	40. a.
973	1	(FLD CHG IND)	
974-998	25	IATA Label	41. a.
999	1	(FLD CHG IND)	
1000-1099	100	AFR 71-4 Shipping Name	42a.
1100-1120	21	(BLANK)	
1121	1	(FLD CHG IND)	
1122-1144	23	AFR 71-4 Class	43a.
1145	1	(FLD CHG IND)	
1146-1170	25	AFR 71-4 Label	44a.
1171	1	(FLD CHG IND)	
1172-1173	2	AIR FORCE MMAC CD	44.1. a.
1174-1180	7	BLANK	
1181	1	(FLD CHG IND)	
1182-1443	262	Additional Data	45a.

RECORD 'POSITION	FIELD SIZE	FIELD NAME/DESCRIPTION	REF PARA. 3.2.2.3.2.
1444-1600	157	(BLANK)	
1601-1680	80	RESERVED FOR PROGRAM USES	

B. Output Formats (Cent'd)

2. Safety Data Total File (SD)

a. File Characteristics

(1) Label - DGH2.SDMASTER

(2) Record Length - 3500 Characters

(3) Block Size - 7000 Block - 2

(4) Recording Mode - FB

(5) 9-track 1600 BPI EBCDIC

(6) Standard IBM Labels

(7) Sequence - NIIN, FSC, FSCM and Part Number Ind.

b. Record Format

(1) All fields are zone decimal

(2) Each data field starting with item name (record position 90) contains a field change indicator. If the first position of the field is an asterisk (*) then the field has changed since the last publications. A blank in the first position indicates that no change has been made.

(3) Record Layout

SAFETY DATA FILE

RECORD POSITIONS	FIELD SIZE	FIELD NAME/DESCRIPTION	REF PARA 3.2.2.1.2
1-13	13	NSN	4a.
14	1	Action Code	2a.
15	1	Focal Point Indicator	3a.
16	1	Change Code Code 1 for ADDS Code 2 for Changes or Deletes	
17	1	(BLANK)	
18	1	PUB Code Code P for Items that have been published and blank for all others	
19-20	2	(BLANK)	
21-25	5	Date	la.
26-30	5	FSCM	5a.
31	1	Part Number Indicator	6a.
32-74	43	Part Number (Trade Name)	7a.
75-89	15	(RESERVED PROGRAM CONTROL)	
90	1	(FLD CHG IND)	
91-138	48	Item Name	8a.
139	1	(FLD CHG IND)	
140-159	20	Specification	9a.
160	1	(FLD CHG IND)	
161-163	3	Proprietary Indicator	10. a.
164	1	(FLD CHG IND)	
165-167	3	Item Manager	11. a.

SAFETY DATA FILE

RECORD POSITIONS	FIELD SIZE	FIELD NAME/DESCRIPTION	REF PARA 3.2.2.1.2
168	1	(FLD CHG IND)	
169-175	7	Net Propellant Weight for Ammunition	12.a.
176	1	(FLD CHG IND)	
177-181	5	Storage Compatibility Code	13.a.
182	1	(FLD CHG IND)	
183-197	15	NRC License Number	14. a.
198	1	(FLD CHG IND)	
199-390	192	Supplemental Data	15.a.
391-400	10	(BLANK)	
401	1	(FLD CHG IND)	
402-451	50	Manufacturers Name	3.2.2.2.2 1.a.
452	1	(FLD CHG IND)	
453-471	19	Emergency Telephone Number	2.a.
472	1	(FLD CHG IND)	
473-497	25	Chemical Name and Synonyms	3a.
498	1	(FLD CHG IND)	
499-523	25	Chemical Family	5a.
524	1	(FLD CHG IND)	
525-544	20	Formula	6a.
545-560	16	(BLANK)	
561	1	(FLD CHG IND)	
562-570	9	1st NIOSH Code	7a.
571	1	(FLD CHG IND)	

SAFETY DATA FILE

RECORD POSITIONS	FIELD SIZE	FIELD NAME/DESCRIPTION	REF PARA 3,2.2.2.2
572-660	89	1st Chemical Name of Hazardous Component	8a.
661	1	(FLD CHG IND)	
662-665	4	1st Percent of 'Hazardous Component	9a.
666	1	(FLD CHG IND)	
667-681	15	1st Threshold Limit Value	10. a.
682	1	(FLD CHG IND)	
683-691	9	2nd NIOSH Code	7a.
692	1	(FLD CHG IND)	
693-781	89	2nd Chemical Name of Hazardous Component	8a.
782	1	(FLD CHG IND)	
783-786	4	2nd Percent of Hazardous Component	9a.
787	1	(FLD CHG IND)	
788-802	15	2nd Threshold Limit Value	10.a.
803	1	(FLD CHG IND)	
804-812	9	3rd NIOSH Code	7a.
813	1	(FLD CHG IND)	
814-902	89	3rd Chemical Name of Hazardous Component	8.a.
903	1	(BLANK)	
904	1	(FLD CHG IND)	
905-908	4″	3rd Percent of Hazardous Component	9a.
909	1	(FLD CHG IND)	
910-924	15	3rd Threshold Limit Value	10. a.
925	1	(FLD CHG IND)	

SAFETY DATA FILE

RECORD POSITIONS	FIELD SIZE	FIELD NAME/DESCRIPTION	REF PARA 3.2.2.2.2
926-934	9	4th NIOSH Code	7a.
935	1	(FLD CHG IND)	
936-1024	89	4th Chemical Name of Hazardous Component	8a.
1025	1	(FLD CHG IND)	
1026-1029	4	4th Percent of Hazardous Component	9a.
1030	1	(FLD CHG IND)	
1031-1045	15	4th Threshold Limit Value	10. a.
1046	1	(FLD CHG IND)	
1047-1055	9	5th NIOSH Code	7a.
1056	1	(FLD CHG IND)	
1057-1145	89	5th Chemical Name of Hazardous Component	8a.
1146	1	(FLD CHG IND)	
1147-1150	4	5th Percent of Hazardous Component	9a.
1151	1	(FLD CHG IND)	
1152-1166	15	5th Threshold Limit Value	10. a.
1167-1180	14	(BLANK)	
1181	1	(FLD CHG IND)	
1182-1192	11	Boiling Point	11. a.
1193	1	(FLD CHG IND)	
1194-1196	3	Vapor Pressure	12. a.
1197	1	(FLD CHG IND)	
1198-1201	4	Vapor Density	13. a.
1202	1	(FLD CHG IND)	

SAFETY DATA FILE

RECORD POSITIONS	FIELD SIZE	FIELD NAME/DESCRIPTION	REP PARA 3.2.2.2.2
1203-1213	11	Volubility in Water	14.a.
1214	1	(FLD CHG IND)	
1215-1220	6	Specific Gravity	15.a.
1221	1	(FLD CHG IND)	
1222-1225	4	Percent Volatile by Volume	16. a.
1226	1	(FLD CHG IND)	
1227-1244	18	Evaporation Rate Per Reference	17.a.
1245	1	(FLD CHG IND)	
1246-1295	50	Appearance and Odor	18. a.
1296-1300	5	(BLANK)	
1301	1	(FLD CHG IND)	
1302-1317	16	Flash Point	19.a.
1318	1	(FLD CHG IND)	
1319-1322	4	Lower Explosive Limit	20. a.
1323	1	(FLD CHG IND)	
1324-1327	4	Upper Explosive Limit	21.a.
1328	1	(FLD CHG IND)	
1329-1308	60	Extinguishing Media	22a;
1389-1400	12	(BLANK)	
1401	1	(FLD CHG IND)	
1402-1461	60	Special Fire Fighting Procedures	23a.
1462	1	(FLD CHG IND)	
1463-1562	100	Unusual Fire and Explosion Hazards	24a.
1563	1	(FLD CHG IND)	

SAFETY DATA FILE

RECORD POSITIONS	FIELD SIZE	FIELD NAME/DESCRIPTION	REF PARA 3.2.2.2.2
1564-1578	15	Threshold Limit Value for the Mixture	25a.
1579	1	(FLD CHG IND)	
1580-1679	100	Effects of Overexposure	26a.
2680	1	(BLANK)	
1681	1	(FLD CHG IND)	
1682-1931	250	Emergency and First-Aid Procedures	27a.
1932	1	(FLD CHG IND)	
1933-1935	3	Stability	28a.
1936-1960	25	(BLANK)	
1961	1	(FLD CHG IND)	
1962-2021	60	Conditions to Avoid (Because of Instability)	29a.
2022	1	(FLD CHG IND)	
2023-2082	60	Incompatibility (Materials to Avoid)	30.a.
2083	1	(FLD CHG IND)	
2084-2143	60	Hazardous Decomposition Products	31.a.
2144	1	(FLD CHG IND)	
2145-2147	3	Hazardous Polymerization Occur	32a.
2148	1	(FLD CHG IND)	
2149-2208	60	Conditions to Avoid (Because of Polymerization)	33a.
2209	1	(FLD CHG IND)	
2210-2459	250	Spill and Leak Control	34a.
2460	1	(FLD CHG IND)	
2461-2710	250	Waste Elimination (Waste Disposal Method)	35a.
2711	1	(FLD CHG IND)	

SAFETY DATA FILE

RECORD POSITIONS	FIELD SIZE	FIELD NAME/DESCRIl?TION	REF PARA 3.2.2.2.2
2712-2779	68	Respiratory Protection	36a.
2780-2800	21	(BLANK)	
2801	1	(FLD cHG IND)	
2802-2861	60	Ventilation	37a.
2862	1	(FLD CHG IND)	
2863-2877	15	Protective Gloves	38a.
2878	1	(FLD CHG IND)	
2879-2903	25	Eye Protection	39a.
2904	1	(FLD cHG IND)	
2905-2964	60	Other Protective Equipment	40. a.
2965	1	(FLD CHG IND)	
2966-3115	150	Handling and Storage Precautions	41. a.
3116	1	(FLD CHG IND)	
3117-3308	192	Other Precautions	42a.
3309-3420	112	(BLANK)	
3421-3500	80	RESERVED FOR PROGRAM USES	

B. Output Formats (Cents d)

3. Safety Data Restricted File (SDR)

a. File Characteristics

(1) Label - DGHZ.SDMSTRES

(2) Record Length - 3500 Characters

(3) Block Size - 7000 Block - 2

(4) Recording Mode - FB

(5) 9-Track 1600 BP1 EBCDIC

(6) Standard IBM Labels

(7) Sequence - NIIN, FSC, FSCM and Part Number Ind.

b. Record Format

(1) The Data Elements are the same as the Safety Data Total File except the restricted data elements are blank in this file as described in Section 3, paragraph 3.3.2 .2., a. and b.

(2) See Section 4.3 paragraph B. 2 .b Record Format.

B. Output Format (Cent ' d)

4. Safety and Transportation Data Cross-Reference File (XREF)

a. File Characteristics

(1) Label - SDTDXREF

(2) Record - 120 Characters

(3) Block size 1200 Block 10

(4) Recording Mode - FB

(5) 9-track 1600 BPI EBCDIC

(6) Standard IBM Labels

(7) Sequence - NIIN, FSC, FSCM, Part Number Ind.

b. Record Format

(1) All fields are zone decimal

(2) Record Layout

RECORD POSITIONS	FIELD SIZE	FIELD NAME/DESCRIPTION
1-13	13	NSN
14	1	Part Number Indicator
15-57	43	Part Number
58-60	3	RESERVED PROGRAM CONTROL
61-110	50	Manufacturer 's Name
111-120	10	(BLANK)

4.4. Mass NSN Interrogations

A. If more than 200 NSNS are to be used in an inquiry to obtain the hazardous material information on matching items, a special tape input will be required from the requesting focal point. The output provided will be a type file containing only those NSNS that are currently part of the DoD HMIS. Transportation data, safety data, or both types of information may be requested.

B. Input Format

1. File characteristics required

a. Exterior ID Label - DGHZ. HZNSNINT

b. Record Length - 80 characters

c. Blocksize 800 Block 10

d. Recording Mode - FB

e. 9-track 1600 BPI EBCDIC

f. Nonlabeled

2. A record for each NSN to be matched against the DoD HMIS must be formatted as follows:

RECORD POSITIONS	FIELD SIZE	FIELD NAME/DESCRIPTION
1-3	3	DIC - always enter a constant 'RHM'
4	1	Requesting Focal Point Indicator. Code as specified in Section 3.2.2 .1.2
5-17	13	NSN
18	1	Interrogation Type Enter 'S' if only safety data required. Enter 'T' if only transportation data required. Enter 'A' if all information required.
19-80	62	Blank

c. Output Format

1. Transportation Data File

a. File Characteristics

(1) Label - TDNSNMCH

(2) Record Length - 1600 characters

(3) Block Size - 6720 Block 4

(4) Recording Mode - FB

(5) 9-track 1600 BPI EBCDIC

(6) Standard IBM Labels

(7) Sequence - NIIN, FSC, FSCM and Part Number IND.

b. Record Format

See Section 4.3 Para B.1.b Record Format.

2. Safety Data Total File

a. File Characteristics

(1) Label - SDNSNMCH

(2) Record Length - 3500 characters

(3) Block Size - 7000 Block 2

(4) Recording Mode - F

(5) 9-Track 1600 BPI EBCDIC

(6) Standard IBM Labels

(7) Sequence - NIIN, FSC, FSCM and Part Number IND.

b. Record Format

(1) See Section 4.3 Para B. 2.b Record Format

3. Safety Data Restricted File

a. File Characteristics

(1) Label - SDNSNRES

(2) Record Length - 3500 characters

(3) Block Size · 7000 Block 2

(4) Recording Mode - FB

(5) 9-track 1600 BPI EBCDIC

(6) Standard IBM Labels

(7) Sequence - NIIN, FSC, FSCM and Part Number IND.

b. Record Format

(1) 'l'he data elements are the same as the safety data total file except the restricted data elements are blank in this file as described in Section 3, Para 3.3.2.2.a. and b.

(2) See Section 4.3 Para B. 2 .b Record Format.