Dictionary for NTSIP Public Use Data
2011

This is the data dictionary for the 2011 public use dataset of ATSDR's National Toxic Substance Incidents Program (NTSIP).

*****When printing this document it is recommended that the layout orientation be changed to landscape.*****

This document provides users with information for using the NTSIP public use dataset. The data are related to events that occurred in the 7 states in 2011. Seven states participated in NTSIP 2011: Louisiana, North Carolina, New York, Oregon，Tennessee, Utah, and Wisconsin.

The public use dataset in text format contains tab delimited fields. The file contains 3,128 records, 86 variables, and a maximum record length of 899.

All data files contain one line of data for each event reported to NTSIP. If the total number of chemicals in an event exceeds six, then only the first six are listed. A victim is defined as a person experiencing at least one documented adverse health effect (such as respiratory irritation or chemical burns) that likely resulted from the event and occurred within 24 hours of the release. The NTSIP system does not identify the immediate cause of the adverse health effect other than the event itself. To determine the nature of victim injuries, state coordinators selected up to 7 entries among trauma, respiratory irritation, eye irritation, nausea or vomiting, heat stress, burns, skin irritation, dizziness or other CNS symptoms, and headache. Therefore, the number of injuries per event is likely to exceed the number of victims.

State coordinators could select up to two categories to describe the type of area where the event occurred, type of fixed-facility for fixed-facility events, and type of transportation for transportation events.

The Federal Information Processing Standard (FIPS) is used to represent county codes that are unique within each state. Pre-appended 2-digit FIPS state codes are provided to form the complete FIPS county code. Some events may lack the three digit county code because no county is listed for that particular event. A list of state and county FIPS codes for the United States can be found at the following website: http://www.epa.gov/enviro/html/codes/state.html.

Industry codes for the type of industry location for each NTSIP event was assigned according to the 2002 North American Industry Classification System (NAICS) of the U.S. Census Bureau (Bureau of the Census).   The industry code provided is a 3 digit NAICS code in the possible 6-digit hierarchy. Details regarding NAICS codes can be found at: http://www.census.gov/epcd/naics02/naicod02.htm

A description of chemical categories and the hierarchical assignment are provided (see Chemical Category Definitions document).

Variable	Position	Type	Length	Description	Value
RCD_ID	1	NUM	8	Sequential record number	A number
STATE	2	CHAR	2	State where event occurred	LA = Louisiana NC = North Carolina NY = New York OR = Oregon TN = Tennessee UT = Utah WI = Wisconsin
EVENTCNTY	3	CHAR	30	County where event occurred	Text string
FIPSCODE	4	CHAR	5	Five digit FIPS county code	See http://www.epa.gov/enviro/html/codes/state.html
EVNTTYPE	5	CHAR	1	Type of event	T = Transportation F = Fixed facility
THRTACTU	6	CHAR	1	Was the release actual or threatened	1 = All actually released into the environment 2 = All threatened to be released into the environment 3 = Some actually and some threatened to be released
YEAR	7	CHAR	4	Year when event occurred	2011
SEASON	8	CHAR	1	Season when event occurred	W = Winter (December, January, February) S = Spring (March, April, May) U = Summer (June, July, August) F = Fall (September, October, November)
WEEKDAY	9	CHAR	1	Portion of week when event occurred	Y = Weekday (Monday – Friday) N = Weekend (Saturday – Sunday)
TIME	10	CHAR	1	Time range that event occurred	D = 06:00 – 17:59 pm N = 18:00 – 05:59 pm
AREATYP1	11	CHAR	1	Description one of type of area where event occurred	0 = Undeveloped 1 = Industrial 2 = Commercial 3 = Residential 4 = Agriculture

					A = Military facility/DOE/DOD C = Recreational
AREATYP2	12	CHAR	1	Description two of type of area where event occurred	(Codes are the same as AREATYP1)
AREA_RES	13	CHAR	1	Residential area within ¼ mile of event	1 = Yes 2 = No or don't know or missing
PRIM_FACT SEC_FACT	14	CHAR	1	First contributing factor Secondary contributing factor	2 = Equipment failure 3 = Operator Error 8 = Other G = Intentional H = Bad weather condition S = Illegal act N = No secondary factor
PRIM_SPECIFY SEC_SPECIFY	15	CHAR	1	Primary factor specify Secondary factor specify	1 = Improper mixing 4 = Improper filling, loading, or packing 8 = Other A = Performing maintenance B = System/process upset C = System start up and shutdown E = Power failure/electrical problems F = Unauthorized/improper dumping I = Vehicle or vessel collision J = Fire K = Explosion L = Overspray/misapplication O = Load shift P = Vehicle or vessel derailment/rollover/capsizing; Q = Illicit drug production related R = Forklift puncture V = Vandalism
FIXTYPE1	16	CHAR	1	Fixed facility type one	0 = Transportation within a fixed facility 2 = Process vessel

				Pertains only to incidents in the industry **NAICS categories 21=Mining; 22=Utilities; or 31, 32, 33=Manufacturing**	3 = Piping 4 = Material handling area 5 = Storage area above ground 6 = Storage area below ground 7 = Dump/waste area 8 = Other A = Ancillary process equipment B = Transformer or capacitor C = Incinerator D = Heating/Cooling for building J = Laboratory
FIXTYPE2	17	CHAR	1	Fixed facility type two	(Codes are the same as FIXTYPE1)
TRNTYPE1	18	CHAR	1	Transportation type one	2 = Ground 3 = Rail 4 = Water 5 = Air 6 = Pipeline
TRNTYPE2	19	CHAR	1	Transportation type two	(Codes are the same as TRNTYPE1)
NAICS	20	CHAR	3	3 digit NAICS code for event location	NAICS – North American Industry Classification System: available at http://www.census.gov/epcd/naics02/naicod02.htm or A98=Not an industry; A99=Not identified
NAICS_DESC	21	CHAR	200	NAICS description assigned to the NAICS 3 digit code	Census assigned code description: details available at http://www.census.gov/epcd/naics02/naicod02.htm
LIVEQTR	22	NUM	8	Number of people living within ¼ mile of event	A number
EVAC_ORD	23	CHAR	1	Evacuation ordered	Y = Yes N = No
EVAC_NCAT	24	NUM	8	Range of total number of people evacuated as a result of the event	0 = 0 1 = 1 - 5 2 = 6 - 20 3 = 21 - 50 4 = 51 - 100

					5 = 101 - 500 6 = 501 - 1000 7 = > 1000
SHLT_ORD	25	CHAR	1	In-place sheltering ordered	Y=Yes N=No
DCON_SCTOTR	26	NUM	8	Range of number of people decontaminated at the scene	0 = 0 1 = 1 - 5 2 = 6 - 20 3 = 21 - 50 4 = 51 - 100 5 = 101 - 500 6 = 501 - 1000 7 = > 1000
DCON_MFTOTR	27	NUM	8	Range of number of people decontaminated at a medical facility	0 = 0 1 = 1 - 5 2 = 6 - 20 3 = 21 - 50 4 = 51 - 100 5 = 101 - 500 6 = 501 - 1000 7 = > 1000
TOT_CHEM	28	NUM	8	Total number of chemicals spilled	A number
SUB_CATN	29	CHAR	2	Substance category	(see Chemical Category Definitions) 0 = Indeterminate 1 = Acid 2 = Ammonia 3 = Bases 4 = Chlorine 5 = Other inorganic substances category 6 = Paints and dyes 7 = Pesticides/Agricultural 8 = Polychlorinated Biphenyls

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					9 = Volatile Organic Compounds 10 = Other substance category not listed 12 = Mixture across chemical categories A = Formulations B = Hetero-Organics C = Hydrocarbons D = Oxy-Organic E = Polymers 88 = Multiple substance categories
CHEM1	30	CHAR	70	Chemical name one	Text string
CHM_QCAT1	31	CHAR	1	Category for the amount of Chemical #1	A = 0 - < 1 B = 1 - <10 C = 10 - <100 D = 100 - <500 E = 500 - <1,000 F = 1,000 - <10,000 G = 10,000+
CHM_UNIT1	32	CHAR	1	Unit of measure for the amount of Chemical #1	1 = Pounds 2 = Kilograms 3 = Gallons 4 = Liters 5 = Cubic feet 6 = Ounces by volume 7 = Milliliters 8 = Pico curies A = Tons B = Ounces by weight C = ppm (parts per million)
RELS1CHEM1	33	CHAR	1	First type of release for Chemical #1	1 = Spill 2 = Air Emission 3 = Fire 4 = Explosion 5 = Radiation

					7 = Threatened
RELS2CHEM1	34	CHAR	1	Second type of release for Chemical #1	(Codes are the same as RELS1CHEM1)
CHEM2	35	CHAR	70	Chemical name two	Text string
CHM_QCAT2	36	CHAR	1	Category for the amount of Chemical #2	(Codes are the same as CHM_QCAT1)
CHM_UNIT2	37	CHAR	1	Unit of measure for the amount of Chemical #2	(Codes are the same as CHM_UNIT1)
RELS1CHEM2	38	CHAR	1	First type of release for chemical #2	(Codes are the same as RELS1CHEM1)
RELS2CHEM2	39	CHAR	1	Second type of release for chemical #2	(Codes are the same as RELS1CHEM1)
CHEM3	40	CHAR	70	Chemical name three	Text string
CHM_QCAT3	41	CHAR	1	Category for the amount of Chemical #3	(Codes are the same as CHM_QCAT1)
CHM_UNIT3	42	CHAR	1	Unit of measure for the amount of Chemical #3	(Codes are the same as CHM_UNIT1)
RELS1CHEM3	43	CHAR	1	First type of release for chemical #3	(Codes are the same as RELS1CHEM1)
RELS2CHEM3	44	CHAR	1	Second type of release for chemical #3	(Codes are the same as RELS1CHEM1)
CHEM4	45	CHAR	70	Chemical name four	Text string
CHM_QCAT4	46	CHAR	1	Category for the amount of Chemical #4	(Codes are the same as CHM_QCAT1)
CHM_UNIT4	47	CHAR	1	Unit of measure for the amount of Chemical #4	(Codes are the same as CHM_UNIT1)
RELS1CHEM4	48	CHAR	1	First type of release for chemical #4	(Codes are the same as RELS1CHEM1)
RELS2CHEM4	49	CHAR	1	Second type of release for chemical #4	(Codes are the same as RELS1CHEM1)
CHEM5	50	CHAR	70	Chemical name five	Text string
CHM_QCAT5	51	CHAR	1	Category for the amount of Chemical #5	(Codes are the same as CHM_QCAT1)
CHM_UNIT5	52	CHAR	1	Unit of measure for the amount of Chemical #5	(Codes are the same as CHM_UNIT1)
RELS1CHEM5	53	CHAR	1	First type of release for chemical #5	(Codes are the same as RELS1CHEM1)
RELS2CHEM5	54	CHAR	1	Second type of release for chemical #5	(Codes are the same as RELS1CHEM1)
CHEM6	55	CHAR	70	Chemical name six	Text string
CHM_QCAT6	56	CHAR	1	Category for the amount of Chemical #6	(Codes are the same as CHM_QCAT1)
CHM_UNIT6	57	CHAR	1	Unit of measure for the amount of Chemical #6	(Codes are the same as CHM_UNIT1)
RELS1CHEM6	58	CHAR	1	First type of release for chemical #6	(Codes are the same as RELS1CHEM1)
RELS2CHEM6	59	CHAR	1	Second type of release for chemical #6	(Codes are the same as RELS1CHEM1)

TOT_VICT	60	NUM	8	Total number of victims of the event	A number
TOT_FATAL	61	NUM	8	Total number of fatality in the event	A number
AGE_CAT1	62	NUM	8	Number of victim under 18 years old	A number
AGE_CAT2	63	NUM	8	Number of victim older than 18.	A number
VICT_EMP	64	NUM	8	Number of employee victims	A number
VICT_RESP	65	NUM	8	Number of responder victims	A number
VICT_GP	66	NUM	8	Number of general public victims	A number
VICT_STD	67	NUM	8	Number of student victims	A number
INJ_TRA	68	NUM	3	Number of victims with trauma injuries	A number
INJ_RESP	69	NUM	3	Number of victims with respiratory system irritation	A number
INJ_EYE	70	NUM	3	Number of victims with eye irritation	A number
INJ_GASTRO	71	NUM	3	Number of victims with gastrointestinal problems	A number
INJ_HEAT	72	NUM	3	Number of victims with heat stress injuries	A number
INJ_BURN	73	NUM	3	Number of victims with burn injuries	A number
INJ_SKIN	74	NUM	3	Number of victims with skin irritation injuries	A number
INJ_CNS	75	NUM	3	Number of victims with dizziness or other CNS symptoms	A number
INJ_HACHE	76	NUM	3	Number of victims with headaches	A number
INJ_HRT	77	NUM	3	Number of victims with heart problems	A number
INJ_SOB	78	NUM	3	Number of victims with shortness of breath	A number
SEV_HOSPA	79	NUM	8	Number of victims where injury severity required treatment at hospital and admittance	A number
SEV_HOSPR	80	NUM	8	Number of victims where injury severity required treatment at hospital without being admitted or victim was transported to hospital for observation	A number

				with no treatment	
SEV_NHOSP	81	NUM	8	Number of victims where injury severity required treatment on the scene (first aid); or victim was seen by a private physician within 24 hrs; or injuries were experienced within 24 hrs of the event and reported by an official	A number
VDCON_SN	82	NUM	8	Number of injured people decontaminated at the scene	A number
VDCON_MF	83	NUM	8	Number of injured people decontaminated at a medical facility	A number
VDCON_BOTH	84	NUM	8	Number of injured people decontaminated at both the scene and a medical facility	A number