RTECS ファイルの略語一覧

略語	内容
	American Conference of
ACGIH	Govermental Industrial
	Hygenists
С	continuous
СС	cubic centimeter
CL	ceiling concentration
CRIT DOC	NIOSH criteria document
D	day
DEF	definition
DOT	Department of
DOT	Transportation
- FD.4	Environmental Protection
EPA	Agency
fb	fiber
gm	gram
Н	hour
I	intermittent
	International Agency for
IARC	Research on Cancer
	kilogram (one thousand
kg	grams)
L	liter
1.0	lethal concentration
LC ₅₀	50 percent kill
LCLo	lowest published
LOLO	lethal concentration
LD ₅₀	lethal dose 50 percent kill
LDLo	lowest published lethal dose
М	minute
m3	cubic meter
	milligram (one thousandth or
mg	a gram; 10-3 grams)
MGN	multigeneration
ml	milliliter
mmol	millimole
mol	mole
mnn-f	million particles per cubic
mppcf	foot
mul	multiple routes
	nanogram (one billionth of a
ng	gram; 10-9 grams)
nmol	nanomole
nse	non-standard exposure
OBS	obsolete (trade name)
l .	

略語	内容
OEL	Occupational Exposure Limit
ORM	Other Regulated Material (DOT)
OSHA	Occupational Safety and Health Administration
pg	picogram (one trillionth of a
P 6	gram; 10-12 grams)
Pk	peak concentration
pmol	picomole
post	after birth
ppb	parts per billion (v/v)
pph	parts per hundred (v/v) (percent)
ppm	parts per million (v/v)
ppt	parts per trillion (v/v)
pre	prior to copulation
preg	pregnant
REGS	standards and regulations
rns	rinsed with water
1113	Registry of Toxic Effects of
RTECS	Chemical Substances
SCP	Standards Completion
301	Program
S	second
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TC	toxic concentration
TCLo	lowest published toxic
TGLO	concentration
TD	toxic dose
TDLo	lowest published toxic dose
TLV	Threshold Limit Value
TWA	time weighted average
	microgram (one millionth of a
ug	gram; 10-6 grams)
umol	micromole
	U.S. Occupational Health
USOS	Standard
W	week
Υ	year
%	percent
	1

A Brain and C	Coverings
Damage Codes	70 VOT TINGS
01	Maningaal ahangaa
02	Meningeal changes
	Changes in cerebral spinal fluid
03	Increased intracranial pressure
04	Changes in circulation
0.5	(hemorrhage, thrombosis, etc.)
05	Encephalitis
06	Demyelination
10	Changes in surface EEG
11	Recordings from specific areas
	of CNS
30	Other degenerative changes
60	Tumors
70	Changes in brain weight
B Spinal Cord	
Damage Codes	
01	Meningeal changes
02	Changes in circulation
03	Inflammatory changes
04	Demyelination
30	Other degenerative changes
60	Tumors
00	Tullions
C Peripheral	Nerve Sensation
Damage Codes	
01	Associated connective tissue
02	Sensory syndrome diagnostic of
	central lesion
03	Sensory change involving
	trigeminal nerve
04	Sensory change involving
	peripheral nerve
05	Sensory change involving
	segmental distribution
06	Spastic paralysis with or without
	sensory change
07	Flaccid paralysis with appropriate
	anesthesia
08	Flaccid paralysis without
	anesthesia
	(usually neuromuscular blockage)
09	Fasciculations
10	Paresthesia
15	Recording from afferent nerve
	_
16	Recording from peripheral motor
17	nerve
17	Local anesthetic
18	Structural change in nerve or
60	sheath
	Peripheral nerve tumors

D 0 0	10 :10
	ans and Special Senses
	ear, and taste)
Damage Codes	
Olfaction:	
01	Deviated nasal septum
02	Ulcerated nasal septum
03	Change in olfactory nerve
04	Change in sensation of smell
07	Other changes
09	Tumors
F	
Eye:	0.11
10	Optic nerve neuropathy
11	Cycloplegia
12	Changes in refraction
13	Ciliary spasm
14	Visual field changes
15	Miosis (pupillary constriction)
16	Mydriasis (pupillary dilation)
17	Lacrimation
18	Chromidacryorrhea
19	Increased intraocular pressure
20	Retinal changes (pigmentary
	depositions, retinitis, other)
21	Hemorrhage
22	Changes in circulation
23	Diplopia
24	Changes in extra-ocular muscles
25	Conjunctive irritation
26	Corneal damage
27	Iritis
28	Ptosis
29	Tumors
35	Other
Ear:	
40	Change in acuity
41	Tinnitus
43	Changes in vestibular
	functions
44	Changes in cochlear structure
	or function
45	Tumors
Taste:	
50	Change in function
	Change in function
L	

	mic Nervous System
Damage Co	
01	Sympathomimetic
02	Alpha adrenergic blockage
03	Beta adrenergic blockage
04	Central sympatholytic
05	Ganglion blocker
06	Ganglion facilitant
08	Other (direct)
	parasympathomimetic
09	Intensity beta adrenergic effects
15	Smooth muscle relaxant
	(mechanism undefined,
	spasmolytic)
16	Parasympatholytic
F BEHAVI	ORAL
Damage Co	des
01	General anesthetic
02	Anticonvulsant
03	Wakefulness
04	Sleep
05	Altered sleep time (including
	change in righting reflex)
06	Euphoria
07	Somnolence (general depressed
	activity)
08	Hallucinations, distorted
	perceptions
09	Changes in REM sleep (human)
10	Toxic psychosis
11	Tremor
12	Convulsions or effect on seizure
	threshold
13	Excitement
14	Anorexia (human)
15	Food intake (animal)
16	Fluid intake
17	Change in motor activity (specific
	assay)
18	Muscle weakness
19	Ataxia
20	Stiffness
21	Rigidity (includes catalepsy)
22	Tetany
23	Muscle contraction or spasticity
24	Coma
25	Antipsychotic
26	Antianxiety
27	Headache
29	Analgesia
30	Tolerance
31	Withdrawal
32	Abuse
33	Irritability
34	Straub tail
40	Alteration of classical
	conditioning
<u> </u>	Conditioning

41	Alteration of operant conditioning
42	Change in psychophysiological
	tests
43	Aggression
G CARDIAC	
Damage Code	s
01	Cardiomyopathy including
	infarction
02	Changes in coronary arteries
03	Pericarditis
04	Arrythmias (including changes in
	conduction)
05	Cardiomegaly
06	EKG changes not diagnostic of
	above
07	Pulse rate increased without fall
	in BP
08	Pulse rate
09	Change in force of contraction
10	Change in rate
11	Change in conduction velocity
12	Cardiac output
13	Change in resting or action
	potential
30	Other changes
60	Tumors
60 70	Tumors Changes in heart weight
70	
70 H Vascular	Changes in heart weight
70 H Vascular Damage Code	Changes in heart weight
70 H Vascular	Changes in heart weight s BP Elevation not characterized in
70 H Vascular Damage Code 01	Changes in heart weight s BP Elevation not characterized in autonomic section
70 H Vascular Damage Code	S BP Elevation not characterized in autonomic section BP lowering not characterized in
70 H Vascular Damage Code 01 02	S BP Elevation not characterized in autonomic section BP lowering not characterized in autonomic section
70 H Vascular Damage Code 01 02 03	Changes in heart weight S BP Elevation not characterized in autonomic section BP lowering not characterized in autonomic section Pulse pressure increase
70 H Vascular Damage Code 01 02	S BP Elevation not characterized in autonomic section BP lowering not characterized in autonomic section Pulse pressure increase Regional or general arteriolar
TO H Vascular Damage Code 01 02 03 04	S BP Elevation not characterized in autonomic section BP lowering not characterized in autonomic section Pulse pressure increase Regional or general arteriolar constriction
70 H Vascular Damage Code 01 02 03	S BP Elevation not characterized in autonomic section BP lowering not characterized in autonomic section Pulse pressure increase Regional or general arteriolar constriction Regional or general arteriolar or
TO H Vascular Damage Code 01 02 03 04 05	S BP Elevation not characterized in autonomic section BP lowering not characterized in autonomic section Pulse pressure increase Regional or general arteriolar constriction Regional or general arteriolar or venous dilation
TO H Vascular Damage Code 01 02 03 04	S BP Elevation not characterized in autonomic section BP lowering not characterized in autonomic section Pulse pressure increase Regional or general arteriolar constriction Regional or general arteriolar or
70 H Vascular Damage Code 01 02 03 04 05 06	S BP Elevation not characterized in autonomic section BP lowering not characterized in autonomic section Pulse pressure increase Regional or general arteriolar constriction Regional or general arteriolar or venous dilation Measurement of regional blood flow
TO H Vascular Damage Code 01 02 03 04 05	S BP Elevation not characterized in autonomic section BP lowering not characterized in autonomic section Pulse pressure increase Regional or general arteriolar constriction Regional or general arteriolar or venous dilation Measurement of regional blood
TO H Vascular Damage Code 01 02 03 04 05 06 07	S BP Elevation not characterized in autonomic section BP lowering not characterized in autonomic section Pulse pressure increase Regional or general arteriolar constriction Regional or general arteriolar or venous dilation Measurement of regional blood flow Change in plasma or blood volume
70 H Vascular Damage Code 01 02 03 04 05 06 07 08	S BP Elevation not characterized in autonomic section BP lowering not characterized in autonomic section Pulse pressure increase Regional or general arteriolar constriction Regional or general arteriolar or venous dilation Measurement of regional blood flow Change in plasma or blood volume Shock
70 H Vascular Damage Code 01 02 03 04 05 06 07 08 15	S BP Elevation not characterized in autonomic section BP lowering not characterized in autonomic section Pulse pressure increase Regional or general arteriolar constriction Regional or general arteriolar or venous dilation Measurement of regional blood flow Change in plasma or blood volume Shock Acute arterial occlusion
70 H Vascular Damage Code 01 02 03 04 05 06 07 08 15 16	S BP Elevation not characterized in autonomic section BP lowering not characterized in autonomic section Pulse pressure increase Regional or general arteriolar constriction Regional or general arteriolar or venous dilation Measurement of regional blood flow Change in plasma or blood volume Shock Acute arterial occlusion Structural changes in vessels
70 H Vascular Damage Code 01 02 03 04 05 06 07 08 15 16	S BP Elevation not characterized in autonomic section BP lowering not characterized in autonomic section Pulse pressure increase Regional or general arteriolar constriction Regional or general arteriolar or venous dilation Measurement of regional blood flow Change in plasma or blood volume Shock Acute arterial occlusion Structural changes in vessels Thrombosis distant from injection
70 H Vascular Damage Code 01 02 03 04 05 06 07 08 15 16 17	S BP Elevation not characterized in autonomic section BP lowering not characterized in autonomic section Pulse pressure increase Regional or general arteriolar constriction Regional or general arteriolar or venous dilation Measurement of regional blood flow Change in plasma or blood volume Shock Acute arterial occlusion Structural changes in vessels Thrombosis distant from injection site
70 H Vascular Damage Code 01 02 03 04 05 06 07 08 15 16 17 20	S BP Elevation not characterized in autonomic section BP lowering not characterized in autonomic section Pulse pressure increase Regional or general arteriolar constriction Regional or general arteriolar or venous dilation Measurement of regional blood flow Change in plasma or blood volume Shock Acute arterial occlusion Structural changes in vessels Thrombosis distant from injection site Contraction (isolated tissues)
70 H Vascular Damage Code 01 02 03 04 05 06 07 08 15 16 17 20 21	S BP Elevation not characterized in autonomic section BP lowering not characterized in autonomic section Pulse pressure increase Regional or general arteriolar constriction Regional or general arteriolar or venous dilation Measurement of regional blood flow Change in plasma or blood volume Shock Acute arterial occlusion Structural changes in vessels Thrombosis distant from injection site Contraction (isolated tissues) Relaxation (isolated tissues)
70 H Vascular Damage Code 01 02 03 04 05 06 07 08 15 16 17 20 21 30	S BP Elevation not characterized in autonomic section BP lowering not characterized in autonomic section Pulse pressure increase Regional or general arteriolar constriction Regional or general arteriolar or venous dilation Measurement of regional blood flow Change in plasma or blood volume Shock Acute arterial occlusion Structural changes in vessels Thrombosis distant from injection site Contraction (isolated tissues) Relaxation (isolated tissues) Other changes

J Lungs, Th	horax, or Respiration	31	Contraction (isolated tissue)
Damage Code		32	Relaxation (isolated tissue)
01	Ciliary function changes	60	Tumors
02	Structural or functional change in	61	Colon tumors
	trachea or bronchi	70	Changes in pancreatic weight
03	Bronchiolar dilation		
04	Bronchiolar constriction	L Liver	
05	Bronchiectasis	Damage Cod	es
06	Emphysema	01	Hepatitis (hepatocellular
07	Changes in pulmonary vascular		necrosis), diffuse
	resistance	02	Hepatitis (hepatocellular
08	Consolidation		necrosis). zonal
12	Fibrosis, focal (pneumoconiosis)	03	Fatty liver degeneration
13	Fibrosis, interstitial	04	Hepatitis, fibrous (cirrhosis,
14	Fibrosing alveolitis		post-necrotic scarring)
15	Acute pulmonary edema	11	Jaundice, cholestatic
16	Chronic pulmonary edema	12	Jaundice, other or unclassified
17	Pleural effusion	14	Liver function tests impaired
18	Pleural thickening	15	Change in gall bladder structure
20	Respiratory obstruction		or function
21	Cough	19	Jaundice (or hyperbilirubinemia)
22	Dyspnea		hepatocellular
23	Sputum	30	Other changes
24	Cyanosis	50	Multiple effects
25	Respiratory depression	60	Tumors
26	Respiratory stimulation	61	Angiosarcoma
27	Pulmonary emboli	70	Changes in liver weight
30	Other changes		
60	_		
60	Tumors	M Kidney,	Ureter, and Bladder
61	Tumors Bronchiogenic carcinoma	M Kidney, Damage Cod	Ureter, and Bladder es
61	Bronchiogenic carcinoma	Damage Cod	es
61	Bronchiogenic carcinoma Changes in lung weight	Damage Cod	es Changes in blood vessels or in
61 70	Bronchiogenic carcinoma Changes in lung weight	Damage Cod	es Changes in blood vessels or in circulation of kidney
61 70 K Gastroint	Bronchiogenic carcinoma Changes in lung weight	Damage Cod 01 02	es Changes in blood vessels or in circulation of kidney Changes primarily in glomeruli
61 70 K Gastroint Damage Code	Bronchiogenic carcinoma Changes in lung weight testinal	Damage Cod 01 02	es Changes in blood vessels or in circulation of kidney Changes primarily in glomeruli Changes in tubules (including
61 70 K Gastroint Damage Code	Bronchiogenic carcinoma Changes in lung weight testinal es Changes in structure or function	Damage Cod 01 02	es Changes in blood vessels or in circulation of kidney Changes primarily in glomeruli Changes in tubules (including acute renal failure, acute tubular
K Gastroint Damage Code	Bronchiogenic carcinoma Changes in lung weight testinal es Changes in structure or function of salivary glands	Damage Cod 01 02 03	changes in blood vessels or in circulation of kidney Changes primarily in glomeruli Changes in tubules (including acute renal failure, acute tubular necrosis)
K Gastroint Damage Code	Bronchiogenic carcinoma Changes in lung weight testinal es Changes in structure or function of salivary glands Changes in structure or function	Damage Cod 01 02 03	changes in blood vessels or in circulation of kidney Changes primarily in glomeruli Changes in tubules (including acute renal failure, acute tubular necrosis) Changes in both tubules and
K Gastroint Damage Code 01 02 03	Bronchiogenic carcinoma Changes in lung weight testinal es Changes in structure or function of salivary glands Changes in structure or function of exocrine pancreas	Damage Cod 01 02 03	Changes in blood vessels or in circulation of kidney Changes primarily in glomeruli Changes in tubules (including acute renal failure, acute tubular necrosis) Changes in both tubules and glomeruli
K Gastroint Damage Code 01 02 03 04	Bronchiogenic carcinoma Changes in lung weight testinal es Changes in structure or function of salivary glands Changes in structure or function of exocrine pancreas Changes in structure or function	Damage Cod 01 02 03 04 05	Changes in blood vessels or in circulation of kidney Changes primarily in glomeruli Changes in tubules (including acute renal failure, acute tubular necrosis) Changes in both tubules and glomeruli Interstitial nephritis
K Gastroint Damage Code 01 02 03	Bronchiogenic carcinoma Changes in lung weight testinal es Changes in structure or function of salivary glands Changes in structure or function of exocrine pancreas Changes in structure or function of esophagus	Damage Cod 01 02 03 04 05 10	Changes in blood vessels or in circulation of kidney Changes primarily in glomeruli Changes in tubules (including acute renal failure, acute tubular necrosis) Changes in both tubules and glomeruli Interstitial nephritis Urine volume increased
K Gastroint Damage Code 01 02 03 04	Bronchiogenic carcinoma Changes in lung weight testinal es Changes in structure or function of salivary glands Changes in structure or function of exocrine pancreas Changes in structure or function of esophagus Alteration in gastric secretion	Damage Cod 01 02 03 04 05 10 11	Changes in blood vessels or in circulation of kidney Changes primarily in glomeruli Changes in tubules (including acute renal failure, acute tubular necrosis) Changes in both tubules and glomeruli Interstitial nephritis Urine volume increased Urine volume decreased
K Gastroint Damage Code 01 02 03 04 05	Bronchiogenic carcinoma Changes in lung weight testinal es Changes in structure or function of salivary glands Changes in structure or function of exocrine pancreas Changes in structure or function of esophagus Alteration in gastric secretion Gastritis Ulceration or bleeding from stomach	Damage Cod 01 02 03 04 05 10 11 12	Changes in blood vessels or in circulation of kidney Changes primarily in glomeruli Changes in tubules (including acute renal failure, acute tubular necrosis) Changes in both tubules and glomeruli Interstitial nephritis Urine volume increased Urine volume decreased Renal function tests depressed
K Gastroint Damage Code 01 02 03 04 05	Bronchiogenic carcinoma Changes in lung weight testinal es Changes in structure or function of salivary glands Changes in structure or function of exocrine pancreas Changes in structure or function of esophagus Alteration in gastric secretion Gastritis Ulceration or bleeding from	Damage Cod 01 02 03 04 05 10 11 12	Changes in blood vessels or in circulation of kidney Changes primarily in glomeruli Changes in tubules (including acute renal failure, acute tubular necrosis) Changes in both tubules and glomeruli Interstitial nephritis Urine volume increased Urine volume decreased Renal function tests depressed Proteinuria
61 70 K Gastroint Damage Code 01 02 03 04 05 06	Bronchiogenic carcinoma Changes in lung weight testinal es Changes in structure or function of salivary glands Changes in structure or function of exocrine pancreas Changes in structure or function of esophagus Alteration in gastric secretion Gastritis Ulceration or bleeding from stomach Ulceration or bleeding from duodenum	Damage Cod 01 02 03 04 05 10 11 12 13	Changes in blood vessels or in circulation of kidney Changes primarily in glomeruli Changes in tubules (including acute renal failure, acute tubular necrosis) Changes in both tubules and glomeruli Interstitial nephritis Urine volume increased Urine volume decreased Renal function tests depressed Proteinuria Hematuria
K Gastroint Damage Code 01 02 03 04 05 06	Bronchiogenic carcinoma Changes in lung weight testinal es Changes in structure or function of salivary glands Changes in structure or function of exocrine pancreas Changes in structure or function of esophagus Alteration in gastric secretion Gastritis Ulceration or bleeding from stomach Ulceration or bleeding from duodenum Ulceration or bleeding from small	Damage Cod 01 02 03 04 05 10 11 12 13	Changes in blood vessels or in circulation of kidney Changes primarily in glomeruli Changes in tubules (including acute renal failure, acute tubular necrosis) Changes in both tubules and glomeruli Interstitial nephritis Urine volume increased Urine volume decreased Renal function tests depressed Proteinuria Hematuria Other changes in urine composition Inflammation, necrosis, or
61 70 K Gastroint Damage Code 01 02 03 04 05 06 07	Bronchiogenic carcinoma Changes in lung weight testinal es Changes in structure or function of salivary glands Changes in structure or function of exocrine pancreas Changes in structure or function of esophagus Alteration in gastric secretion Gastritis Ulceration or bleeding from stomach Ulceration or bleeding from duodenum Ulceration or bleeding from small intestine	Damage Cod 01 02 03 04 05 10 11 12 13 14	Changes in blood vessels or in circulation of kidney Changes primarily in glomeruli Changes in tubules (including acute renal failure, acute tubular necrosis) Changes in both tubules and glomeruli Interstitial nephritis Urine volume increased Urine volume decreased Renal function tests depressed Proteinuria Hematuria Other changes in urine composition
61 70 K Gastroint Damage Code 01 02 03 04 05 06	Bronchiogenic carcinoma Changes in lung weight testinal es Changes in structure or function of salivary glands Changes in structure or function of exocrine pancreas Changes in structure or function of esophagus Alteration in gastric secretion Gastritis Ulceration or bleeding from stomach Ulceration or bleeding from duodenum Ulceration or bleeding from small intestine Ulceration or bleeding from large	Damage Cod 01 02 03 04 05 10 11 12 13 14	Changes in blood vessels or in circulation of kidney Changes primarily in glomeruli Changes in tubules (including acute renal failure, acute tubular necrosis) Changes in both tubules and glomeruli Interstitial nephritis Urine volume increased Urine volume decreased Renal function tests depressed Proteinuria Hematuria Other changes in urine composition Inflammation, necrosis, or
61 70 K Gastroint Damage Code 01 02 03 04 05 06 07	Bronchiogenic carcinoma Changes in lung weight testinal es Changes in structure or function of salivary glands Changes in structure or function of exocrine pancreas Changes in structure or function of esophagus Alteration in gastric secretion Gastritis Ulceration or bleeding from stomach Ulceration or bleeding from duodenum Ulceration or bleeding from small intestine Ulceration or bleeding from large intestine	Damage Cod 01 02 03 04 05 10 11 12 13 14 16	Changes in blood vessels or in circulation of kidney Changes primarily in glomeruli Changes in tubules (including acute renal failure, acute tubular necrosis) Changes in both tubules and glomeruli Interstitial nephritis Urine volume increased Urine volume decreased Renal function tests depressed Proteinuria Hematuria Other changes in urine composition Inflammation, necrosis, or scarring of bladder
61 70 K Gastroint Damage Code 01 02 03 04 05 06 07 08	Bronchiogenic carcinoma Changes in lung weight testinal es Changes in structure or function of salivary glands Changes in structure or function of exocrine pancreas Changes in structure or function of esophagus Alteration in gastric secretion Gastritis Ulceration or bleeding from stomach Ulceration or bleeding from duodenum Ulceration or bleeding from small intestine Ulceration or bleeding from large intestine Hypermotility, diarrhea	Damage Cod 01 02 03 04 05 10 11 12 13 14 16 20 21	Changes in blood vessels or in circulation of kidney Changes primarily in glomeruli Changes in tubules (including acute renal failure, acute tubular necrosis) Changes in both tubules and glomeruli Interstitial nephritis Urine volume increased Urine volume decreased Renal function tests depressed Proteinuria Hematuria Other changes in urine composition Inflammation, necrosis, or scarring of bladder Structural or functional changes
61 70 K Gastroint Damage Code 01 02 03 04 05 06 07 08 09 12 13	Bronchiogenic carcinoma Changes in lung weight testinal es Changes in structure or function of salivary glands Changes in structure or function of exocrine pancreas Changes in structure or function of esophagus Alteration in gastric secretion Gastritis Ulceration or bleeding from stomach Ulceration or bleeding from duodenum Ulceration or bleeding from small intestine Ulceration or bleeding from large intestine Hypermotility, diarrhea Nausea or vomiting	Damage Cod 01 02 03 04 05 10 11 12 13 14 16 20	Changes in blood vessels or in circulation of kidney Changes primarily in glomeruli Changes in tubules (including acute renal failure, acute tubular necrosis) Changes in both tubules and glomeruli Interstitial nephritis Urine volume increased Urine volume decreased Renal function tests depressed Proteinuria Hematuria Other changes in urine composition Inflammation, necrosis, or scarring of bladder Structural or functional changes in ureter
61 70 K Gastroint Damage Code 01 02 03 04 05 06 07 08	Bronchiogenic carcinoma Changes in lung weight testinal es Changes in structure or function of salivary glands Changes in structure or function of exocrine pancreas Changes in structure or function of esophagus Alteration in gastric secretion Gastritis Ulceration or bleeding from stomach Ulceration or bleeding from duodenum Ulceration or bleeding from small intestine Ulceration or bleeding from large intestine Hypermotility, diarrhea Nausea or vomiting Decreased motility or	Damage Cod 01 02 03 04 05 10 11 12 13 14 16 20 21 29 30 60	Changes in blood vessels or in circulation of kidney Changes primarily in glomeruli Changes in tubules (including acute renal failure, acute tubular necrosis) Changes in both tubules and glomeruli Interstitial nephritis Urine volume increased Urine volume decreased Renal function tests depressed Proteinuria Hematuria Other changes in urine composition Inflammation, necrosis, or scarring of bladder Structural or functional changes in ureter Incontinence Other changes Tumors
61 70 K Gastroint Damage Code 01 02 03 04 05 06 07 08 09 12 13 14	Bronchiogenic carcinoma Changes in lung weight testinal es Changes in structure or function of salivary glands Changes in structure or function of exocrine pancreas Changes in structure or function of esophagus Alteration in gastric secretion Gastritis Ulceration or bleeding from stomach Ulceration or bleeding from duodenum Ulceration or bleeding from small intestine Ulceration or bleeding from large intestine Hypermotility, diarrhea Nausea or vomiting Decreased motility or constipation	Damage Cod 01 02 03 04 05 10 11 12 13 14 16 20 21 29 30 60 61	Changes in blood vessels or in circulation of kidney Changes primarily in glomeruli Changes in tubules (including acute renal failure, acute tubular necrosis) Changes in both tubules and glomeruli Interstitial nephritis Urine volume increased Urine volume decreased Renal function tests depressed Proteinuria Hematuria Other changes in urine composition Inflammation, necrosis, or scarring of bladder Structural or functional changes in ureter Incontinence Other changes Tumors Kidney tumors
61 70 K Gastroint Damage Code 01 02 03 04 05 06 07 08 09 12 13 14 15	Bronchiogenic carcinoma Changes in lung weight testinal es Changes in structure or function of salivary glands Changes in structure or function of exocrine pancreas Changes in structure or function of esophagus Alteration in gastric secretion Gastritis Ulceration or bleeding from stomach Ulceration or bleeding from duodenum Ulceration or bleeding from small intestine Ulceration or bleeding from large intestine Hypermotility, diarrhea Nausea or vomiting Decreased motility or constipation Malabsorption	Damage Cod 01 02 03 04 05 10 11 12 13 14 16 20 21 29 30 60 61 70	Changes in blood vessels or in circulation of kidney Changes primarily in glomeruli Changes in tubules (including acute renal failure, acute tubular necrosis) Changes in both tubules and glomeruli Interstitial nephritis Urine volume increased Urine volume decreased Renal function tests depressed Proteinuria Hematuria Other changes in urine composition Inflammation, necrosis, or scarring of bladder Structural or functional changes in ureter Incontinence Other changes Tumors Kidney tumors Changes in bladder weight
61 70 K Gastroint Damage Code 01 02 03 04 05 06 07 08 09 12 13 14 15 17	Bronchiogenic carcinoma Changes in lung weight testinal es Changes in structure or function of salivary glands Changes in structure or function of exocrine pancreas Changes in structure or function of esophagus Alteration in gastric secretion Gastritis Ulceration or bleeding from stomach Ulceration or bleeding from duodenum Ulceration or bleeding from small intestine Ulceration or bleeding from large intestine Hypermotility, diarrhea Nausea or vomiting Decreased motility or constipation Malabsorption Peritonitis	Damage Cod 01 02 03 04 05 10 11 12 13 14 16 20 21 29 30 60 61	Changes in blood vessels or in circulation of kidney Changes primarily in glomeruli Changes in tubules (including acute renal failure, acute tubular necrosis) Changes in both tubules and glomeruli Interstitial nephritis Urine volume increased Urine volume decreased Renal function tests depressed Proteinuria Hematuria Other changes in urine composition Inflammation, necrosis, or scarring of bladder Structural or functional changes in ureter Incontinence Other changes Tumors Kidney tumors
61 70 K Gastroint Damage Code 01 02 03 04 05 06 07 08 09 12 13 14 15	Bronchiogenic carcinoma Changes in lung weight testinal es Changes in structure or function of salivary glands Changes in structure or function of exocrine pancreas Changes in structure or function of esophagus Alteration in gastric secretion Gastritis Ulceration or bleeding from stomach Ulceration or bleeding from duodenum Ulceration or bleeding from small intestine Ulceration or bleeding from large intestine Hypermotility, diarrhea Nausea or vomiting Decreased motility or constipation Malabsorption	Damage Cod 01 02 03 04 05 10 11 12 13 14 16 20 21 29 30 60 61 70	Changes in blood vessels or in circulation of kidney Changes primarily in glomeruli Changes in tubules (including acute renal failure, acute tubular necrosis) Changes in both tubules and glomeruli Interstitial nephritis Urine volume increased Urine volume decreased Renal function tests depressed Proteinuria Hematuria Other changes in urine composition Inflammation, necrosis, or scarring of bladder Structural or functional changes in ureter Incontinence Other changes Tumors Kidney tumors Changes in bladder weight

30

Other changes

N = 1 :		0.4	M
N Endocrine		24	Methemoglobinemia-Carboxyhemo
Damage Codes		0.5	globin
01	Antidiruesis	25	Aplastic anemia
02	Change in LH	26	Changes in bone marrow not
03	Change in GH	0.7	included above
04	Change in gonadotropins	27	Changes in spleen
05	Thyroid weight (goiter)	28	Changes in serum composition
06	Toxic goiter-hypofunction		(e.g., bilirubin)
07	Evidence of thyroid hyperfunction	30	Other changes
08	Evidence of thyroid hypofunction	60	Tumors
10	Hyperparathyroidism	61	Leukemia
12	Adrenal cortex hyperplasia	62	Lymphomas including Hodgkin's
13	Adrenal cortex hypoplasia		disease
15	Aldosternism	70	Changes in other cell count
16	Androgenic		(unspecified)
17	Estrogenic	71	Changes in erythrocyte (RBC) cell
18	Differential effect of sex or		count
	castration on observed toxicity	72	Changes in leucocyte (WBC) cell
19	Effect on menstrual cycle		count
20	Gynecomastia	73	Changes in platelet count
21	Diabetes mellitus		
22	Hypoglycemia	Q Musculosi	keletal
23	Ketosis	* 筋肉の変化	(CNS) および metabolic な変化に
24	Hyperglycemia		・ F (Behavioral) も参照
25	Diabetes Insipidus (nephrogenic	Damage Codes	
	or CNS)	01	Changes in teeth and supporting
30	Other changes		structures
60	Tumors	02	Osteoporosis
61	Adrenal cortex tumors	10	Osteomalacia
62	Thyroid tumors	15	Joints
70	Changes in endocrine weight	30	Other changes
71	Changes in pituitary weight	60	Tumors
72	Changes in adrenal weight	00	Tullors
73	Changes in spleen weight	R Skin and	Annandagaa
74	Changes in thymus weight		Appendages
75	Changes in thyroid weight	Damage Codes	
		Skin:	
P Blood		After systemic	
Damage Codes		01	Dermatitis, allergic
01	Hemorrhage	02	Dermatitis, irritative
02	Change in clotting factors	03	Dermatitis, other
05	Normocytic anemia	04	Photosensitivity
06	Microcytosis with or without	A.C	
	anemia	After topical a	
07	Macrocytosis	10	Primary irritation
08	Pigmented or nucleated red blood	11	Corrosive
	cells	12	Dermatitis, allergic
13	Granulocytopenia	13	Cutaneous sensitization
14	Leukopenia		(experimental)
15	Agranulocytosis	14	Photosensitivity
16	Eosinophilia		
17	Thrombocytopenia	Other:	
20	Changes in cell count	20	Sweating
20	_	21	Hair
22	(unspecified) Oxidant related (GPD deficient)	22	Nails
44	anemia	25	Breast
23		30	Other glands
20	Other hemolysis with or without	60	Tumors
<u> </u>	anemia		

S Immunolog	ical including Allergic
Damage Codes	
01	Increase in cellular immune
	response
02	Decrease in cellular immune
	response
03	Increase in humoral immune
	response
04	Decrease in humoral immune
	response
05	Decreased immune response
06	Increased immune response
	le organ involvement)
* 特定の臓器に	二関するアレルギーは、各臓器の
EFF コードも	参照
- Cholestat	ic jaundice : コード L (Liver)
- Aplastic a	nemia, agranulocytoses
	: コ ー ド P (Blood)
- Allergic d	ermatitis : コード R (Skin)
15	Anaphylaxis
16	Other immediate (humoral):
	urticaria, allergic rhinitis, serum
	sickness
18	Hypersensitivity delayed
20	Autoimmune
25	Uncharacterized
	ive including Embryotoxic, Neonatal
and Terato	genic
Damage Codes Paternal Effect	6.
01	Spermatogenesis (including
	genetic material, sperm
00	morphology, motility, and count)
02	Testes, epididymis, sperm duct
03	Prostate, seminal vessicle,
0.4	Cowper's gland, accessory glands
04	Impotence
05	Breast development
09	Other effects on male
Mataunal Est	
Maternal Effect	
11	Oogenesis
12	Ovaries, fallopian tubes
13	Uterus, cervix, vagina
14	Menstrual cycle changes or
15	disorders
15	Breasts, lactation (prior to or
10	during pregnancy)
16	Parturition
17	Postpartum
19	Other effects on females

Effects on F	ertility:
21	Mating performance (e.g., number
	of sperm positive females per
	number of females mated; number
	of copulations per number of
	estrus cycles)
22	Female fertility index (e.g.,
	number of females pregnant per
	number of sperm positive females;
	number of females pregnant per
	number of females mated)
23	Male fertility index (e.g., number
	of males impregnating females per
	number of males exposed to
	fertile nonpregnant females)
24	Pre-implantation mortality (e.g.,
	reduction in number of implants
	per female; total number of
	implants per corpora lutea)
25	Post-implantation mortality (e.g.,
	dead and/or resorbed implants
	per total number of implants)
26	Litter size (e.g., number of
	fetuses per litter; measured
	before birth)
27	Abortion
29	Other measures of fertility
	mbryo or Fetus:
31	Extra embryonic structures (e.g.,
	placenta, umbilical cord)
32	Maternal-fetal exchange
33	Cytological changes (including
	somatic cell genetic material)
34	Fetotoxicity (expect death, e.g.,
	stunted fetus)
35	Fetal death
0.0	

Other effects to embryo or fetus

39

Specific Develo	opmental Abnormalities:
41	Central nervous system
42	Eye, ear
43	Craniofacial (including nose and
	tongue)
44	Skin and skin appendages
45	Body Wall
46	Musculoskeletal system
47	Cardiovascular (circulatory)
	system
48	Blood and lymphatic systems
	(including spleen and marrow)
49	Respiratory system
50	Gastrointestinal system
51	Hepatobiliary system
52	Endocrine system
53	Urogenital system
54	Immune and reticuloendothelial
	system
55	Homeostatis
59	Other developmental
	abnormalities
Tumorigenic Ef	fects:
61	Testicular tumors
62	Prostate tumors
63	Ovarian tumors
64	Uterine tumors
65	Transplacental tumorigenesis
69	Other reproductive system
	tumors
Effects on New	born:
71	Stillbirth
72	Live birth index (similar to T26,
	except measured after birth)
73	Sex ratio
74	Apgor score (human only)
75	Viability index (e.g., number alive
	at day 4 per number born alive)
76	Weaning or lactation index (e.g.,
	number alive at weaning per
	number alive at day 4)
77	Other neonatal measures or
	effects
81	Growth statistics (e.g., reduced
	weight gain)
82	Germ cell effects (in offspring)
83	Biochemical and metabolic
84	Drug dependence
85	Behavioral
86	Physical
87	Other postnatal measures or
1	effects
0.1	Delayed effects
91	Delayed effects

U Nutritional	And Gross Metabolic
* コード Y (Biod	chemical)も参照
Damage Codes	
01	Weight loss or decreased weight
	gain
02	Conditioned vitamin deficiency
03	Dehydration
Changes in:	
05	Na
06	CI
07	Ca
08	Р
09	Fe
10	K
11	Other metals
20	Metabolic acidosis
21	Metabolic alkalosis
25	Body temperature increase
28	Body temperature decrease
30	0.1
00	Other changes
V TUMORIGEN	
V TUMORIGEN Damage Codes	NIC
V TUMORIGEN Damage Codes 01	NIC Carcinogenic by RTECS criteria
V TUMORIGEN Damage Codes 01 02	Carcinogenic by RTECS criteria Neoplastic by RTECS criteria
V TUMORIGEN Damage Codes 01	Carcinogenic by RTECS criteria Neoplastic by RTECS criteria Equivocal tumorigenic agent by
V TUMORIGEN Damage Codes 01 02 03	Carcinogenic by RTECS criteria Neoplastic by RTECS criteria Equivocal tumorigenic agent by RTECS criteria
V TUMORIGEN Damage Codes 01 02 03	Carcinogenic by RTECS criteria Neoplastic by RTECS criteria Equivocal tumorigenic agent by RTECS criteria Cells (cultured) transformed
V TUMORIGEN Damage Codes 01 02 03	Carcinogenic by RTECS criteria Neoplastic by RTECS criteria Equivocal tumorigenic agent by RTECS criteria Cells (cultured) transformed Increased incidence of tumors in
V TUMORIGEN Damage Codes 01 02 03 05 08	Carcinogenic by RTECS criteria Neoplastic by RTECS criteria Equivocal tumorigenic agent by RTECS criteria Cells (cultured) transformed Increased incidence of tumors in susceptible strains
V TUMORIGEN Damage Codes 01 02 03 05 08	Carcinogenic by RTECS criteria Neoplastic by RTECS criteria Equivocal tumorigenic agent by RTECS criteria Cells (cultured) transformed Increased incidence of tumors in susceptible strains Tumors at site of application
V TUMORIGEN Damage Codes 01 02 03 05 08	Carcinogenic by RTECS criteria Neoplastic by RTECS criteria Equivocal tumorigenic agent by RTECS criteria Cells (cultured) transformed Increased incidence of tumors in susceptible strains Tumors at site of application Tumor types after systemic
V TUMORIGEN Damage Codes 01 02 03 05 08	Carcinogenic by RTECS criteria Neoplastic by RTECS criteria Equivocal tumorigenic agent by RTECS criteria Cells (cultured) transformed Increased incidence of tumors in susceptible strains Tumors at site of application Tumor types after systemic administration not seen
V TUMORIGEN Damage Codes 01 02 03 05 08 10 15	Carcinogenic by RTECS criteria Neoplastic by RTECS criteria Equivocal tumorigenic agent by RTECS criteria Cells (cultured) transformed Increased incidence of tumors in susceptible strains Tumors at site of application Tumor types after systemic administration not seen spontaneously
V TUMORIGEN Damage Codes 01 02 03 05 08	Carcinogenic by RTECS criteria Neoplastic by RTECS criteria Equivocal tumorigenic agent by RTECS criteria Cells (cultured) transformed Increased incidence of tumors in susceptible strains Tumors at site of application Tumor types after systemic administration not seen spontaneously Facilitates action of known
V TUMORIGEN Damage Codes 01 02 03 05 08 10 15	Carcinogenic by RTECS criteria Neoplastic by RTECS criteria Equivocal tumorigenic agent by RTECS criteria Cells (cultured) transformed Increased incidence of tumors in susceptible strains Tumors at site of application Tumor types after systemic administration not seen spontaneously Facilitates action of known carcinogens
V TUMORIGEN Damage Codes 01 02 03 05 08 10 15	Carcinogenic by RTECS criteria Neoplastic by RTECS criteria Equivocal tumorigenic agent by RTECS criteria Cells (cultured) transformed Increased incidence of tumors in susceptible strains Tumors at site of application Tumor types after systemic administration not seen spontaneously Facilitates action of known carcinogens Protects against induction of
V TUMORIGEN Damage Codes 01 02 03 05 08 10 15	Carcinogenic by RTECS criteria Neoplastic by RTECS criteria Equivocal tumorigenic agent by RTECS criteria Cells (cultured) transformed Increased incidence of tumors in susceptible strains Tumors at site of application Tumor types after systemic administration not seen spontaneously Facilitates action of known carcinogens Protects against induction of experimental tumors
V TUMORIGEN Damage Codes 01 02 03 05 08 10 15	Carcinogenic by RTECS criteria Neoplastic by RTECS criteria Equivocal tumorigenic agent by RTECS criteria Cells (cultured) transformed Increased incidence of tumors in susceptible strains Tumors at site of application Tumor types after systemic administration not seen spontaneously Facilitates action of known carcinogens Protects against induction of

Y Biochemica	I		
Damage Codes			
Enzyme inhibition, induction, or change in blood or			
tissue levels:			
01	True cholinesterase		
02	Other esterases		
03	Phosphatases		
04	Other hydrolases		
05	Carbonic anhydrase		
06	Xanthine oxidases		
07	Hepatic microsomal mixed oxidase		
	(dealkylation, hydroxylation, etc.)		
08	Monoamine oxidase		
09	Cytochrome oxidases (including		
	oxidative phosphorylation)		
10	Dehydrogenases		
11	Catalases		
12	Other oxidoreductases		
13	Phosphokinase		
14	Hexokinases		
15	Transaminases		
16	Other transferases		
17	Peptidases		
18	Proteases		
19	Isomerases		
20	Multiple enzyme effects		
21	Other enzymes		
23	Reactivates cholinesterase		
Effect on specific coenzyme:			
25	B vitamin including folate		
26	CoA		
27	NAD, NADP		
28	Others		
29	Proportion of isoenzymes		
30	Disturbed regulation		
Metabolism (intermediary):			
35	Xanthine, purine, or nucleotides		
	including urate		
36	Porphyrin including bile pigments		

37	Lipids including transport	
38	Amino acids (including renal	
	excretion)	
39	Plasma proteins not involving	
	coagulation	
40	Other proteins	
41	Glycolytic	
42	TCS cycle	
44	Other carbohydrates	
45	Histamines (including liberation	
	not immunochemical in origin)	
50	Effect on mitochondrial function	
51	Effect on active transport	
52	Effect on Na-K pump	
53	Other	
54	Effect on cyclic nucleotides	
55	Effect on inflammation or	
	mediation of inflammation	
Neurotransmitters or modulators (putative):		
60	Catecholamine levels in	
	sympathetic nerves	
61	Catecholamine levels in CNS	
64	Dopamine in striatum	
65	Dopamine at other sites	
7 DELATED	TO OURONIO DATA	
	TO CHRONIC DATA	
Damage Codes	B 11 1 1 01 1 1 1 1 5	
01	Death in the Other Multiple Dose	
	data type field	
Changes in:		
Changes in:	Oii	
71	Ovarian weight	
72 73	Prostate weight	
, •	Testicular weight	
74	Uterine weight	

■ EFF フィールドコードは、EXPAND して毒性の種類や程度を確認することもできる.

=> <u>E D25</u> /	EFF 5	
E1	23	D24/EFF
E2	23	D24 (CHANGE IN EXTRA-OCULAR MUSCLES)/EFF
E3	454>	D25/EFF
E4	454	D25 (CONJUNCTIVE IRRITATION)/EFF
E5	148	D26/EFF