

The Regulated Chemicals Listing identifies substances from more than 100 inventories and regulatory lists from around the world. Records contain substance identify information, inventory status, source of information, and summaries of regulatory activity, reports, and other compliance information.

The database began with national chemical inventories such as TSCA, EINECS, and ENCS. Today it includes international lists such as HPVs, pollutant release inventories, priority chemicals, and dangerous chemicals with transportation restrictions.

CHEMLIST offers the convenience of identifying -in one place- the regulatory requirements for a specific substance from many of the world's most significant regulated substance lists.

SOURCES

CHEMLIST was originally built from data in the 1985 TSCA Inventory and supplements, and updates from the U.S. Government Federal Register. Over time more than 100 additional collections of data have been added. Sources of the data include web sites, official government lists, gazettes, newsletters, bulletins, and electronic data feeds.

For a complete list of the inventories and regulatory lists covered by CHEMLIST visit <http://www.cas.org/expertise/cascontent/regulated/substance.html>

FILE DATA

- 1979 to present (06/08): more than 247,000 records
- Updated weekly with more than 50 additions to existing records or new substances
- PMN/NOC information appears in CHEMLIST within a week of when it is published in the Federal Register
- Automatic current-awareness searches (SDIs) are run weekly

PRODUCER / SUPPLIER

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USER AIDS

- Online Helps (HELP DIRECTORY lists all help messages available)
- STNGUIDE

SEARCH AND DISPLAY FIELDS

Search Field Name	Search Code	Search Examples	Display Code
Basic Index (contains CAS Registry Numbers and single words from all fields except AN, CBI, DEF, FA, and FS) 1)	None or /BI	S ?BROMO? AND INHAL? S 77-47-4 S ECOTOXIC? S P 79-11 S FINAL RULE/4A	all fields except AN, CBI DEF, FA, FSTI
Test Rule - TSCA Section 4a	/4A (/TES)		4A
Interagency Testing Committee	/4E (/ITC)	S CARCIN?/4E	ITC
Risk May Be Unreasonable	/4F (/RIS)	S CANCER/4F	4F
Premanufacture Notice	/5A1 (/PMN)	S (AMES TEST)/PMN	PMN
Premanufacture Notice Number	/5A1N (/PMNN)	S Y 89-75/PMNN	PMN
Significant New Use Rule	/5A2 (/RSNU)	S CHLORINATED/RSNU	RSNU
Insufficient Data Order	/5E (/INS)	S NEURO?/5E	5E
Exemption from PMN	/5H (/EXM)	S INK?/5H	5H
Report on Volume, Exposure, Etc.	/8A (/REP)	S CAIR/8A	8A
Unpublished Report of Health/ Safety Studies	/8D (/UNP)	S MORTALITY/8D	8D
Substantial Risk Report	/8E (/SRR)	S TERATO?/8E	8E
Clean Air Act National Ambient Air Quality Standards	/AAQS	S AEROSOL/AAQS	AAQS
Canadian Legislation Affecting Chemicals	/CANL	S IMPORT?/CANL	CANL
Confidentiality Status	/CBI	S PUBLIC/CBI	CBI
CERCLA Hazardous Substances CFR Title 2)	/CERHS /CFR	S RQ/CERHS S 40 CFR PART 116/CFR	CERHS CFR
DOT Coast Guard Bulk Hazardous Materials	/CGB	S BUTYROLACTONE/CGB	CGB
DOT Coast Guard Noxious Liquids Chemical Hazard Information Profile	/CGN /CHP	S BUTYRIC ACID/CGN S CARCIN?/CHP	CGN CHP
Chemical Name	/CN	S M-CRESOL/CN	CN
Clean Water Act Sections 301, 307, and 311	/CWA	S RQ/CWA	CWA
Drug Enforcement Administration Precursor & Essential Chemicals	/DEA	S DESOMORPHINE/DEA	DEA
Definition for UVCB Substances	/DEF	S FATTY ACID#/DEF	DEF
Entry Date 3)	/ED	S ED>=20080101	not displayed
European Community Legislation EEC Classification, Packaging, and Labeling of Dangerous Substances	/EECL /EECDS	S EXPOSURE/EECL S R 45/EECDS	EECL ECDS
SARA Title III/EPCRA Extremely Hazardous Substances	/EHS	S EMERGENCY PLAN?/EHS	EHS
Field Availability	/FA	S 4A/FA S EHS/FA	FA
FDA Food Substances Generally Recognized as Safe	/FGRAS	S RUE/FGRAS	FGRAS
File Segment	/FS	S TSCA/FS S EINECS/FS S ENCS/FS	FS

1) In addition to right truncation, simultaneous left and right truncation are available in this field. At least 4 characters need to be used for the length of the stem.

2) Search with implied (S) proximity is available in this field.

3) Numeric search field that may be searched using numeric operators or ranges.

SEARCH AND DISPLAY FIELDS (continued)

Search Field Name	Search Code	Search Examples	Display Code
Health Advisory	/HA	S WORKER#/HA	HA
Clean Air Act 1990 Amendments Hazardous Air Pollutants	/HAP	S ACETALDEHYDE/HAP	HAP
DOT Hazardous Materials Table	/HAZT	S FORBIDDEN/HAZT	HAZT
Health Hazards	/HHAZ	S INHALATION RISK/HHAZ	HHAZ
OSHA Highly Hazardous Chemicals	/HHC	S ALLEGATION#/HHC	HHC
RCRA Halogenated Organic Compounds	/HOC	S PCBS/HOC	HOC
High Production Volume Chemicals	/HPV	S UNITED STATES/HPV	HPV
Hazard, Toxicology, and Use Information	/HTU	S MUATION/HTU	HTU
International Agency for Research on Cancer	/IARC	S GROUP/IARC	IARC
Interagency Testing Committee Candidate	/ICC	S REVIEW#/ICC	ICC
Import - Export Regulation	/IER	S TEST RULE/IER	IER
Inventory Status	/INV	S (YES AND TSCA)/INV	INV
Inventory Status Text	/INVT	S CANADA GAZETTE/INVT	INV
Inventory Update Rule	/IUR	S 1998/IUR	IUR
Supplemental Data from the Japanese ENCS	/JDATA	S ACCUMULATED/JDATA	JDATA
RCRA Land Disposal Restrictions	/LDR	S STANDARD/LDR	LDR
Massachusetts Toxic and Hazardous Substance List	/MASS	S CAMPHOR OIL/MASS	MASS
Safe Drinking Water Act Maximum Contaminant Levels	/MCL	S L1 AND MAXIMUM/MCL	MCL
Safe Drinking Water Act Maximum Contaminant Level Goal	/MCLG	S L1 AND PRIMARY/MCLG	MCLG
Miscellaneous Regulation 4)	/MISC	S DIOXIN#/MISC	MISC
TSCA Section 4 Master Testing List	/MTL	S (FIRST LISTED 1990)/MTL	MTL
NIOSH Recommended Exposure Limits	/NREL	S HYDROGEN PEROXIDE/NREL	NREL
National Toxicology Program Carcinogen List	/NTPC	S PHENYTOIN/NTPC	NTPC
Clean Air Act Ozone Depleting Compounds	/ODC	S METHYL BROMIDE/ODC	ODC
FDA Priority-Based Assessment of Food Activities	/PAFA	S PARSLEY/PAFA	PAFA
EPA Pesticide Active Ingredients	/PAI	S SODIUM FUMARIN/PAI	PAI
OSHA Permissible Exposure Levels	/PEL	S PHOSGENE/PEL	PEL
Citizens' Petition - TSCA Section 21	/PET	S PCB/PET	PET
EPA Pesticide Inert Ingredients	/PII	S LARD/PII	PII
Chemical/Physical Properties	/PROP	S SOLUBILITY/PROP	PROP
California Proposition 65 List	/PROP65	S REPROD? TOXIC?/PROP65	PROP65
Regulatory List Number	/RLN	S P 92-150/RLN	RLN
CAS Registry Number	/RN	S 77-47-4/RN	RN
CFR Section	/SC	S 29 CFR 1910.119/SC	SC
Superfund Amendment Reauthorization Act - Section 110	/S110	S PRIORITY LIST?/S110	S110
Superfund Amendment Reauthorization Act - Section 313	/S313	S COPPER/S313	S313
OECD Screening Information Data Set Project	/SIDS	S BASE LEVEL/SIDS	SIDS
State of Illinois Right-to-Know Toxic Substances List	/SIL	S TEMEPHOS/SIL	SIL
State of Louisiana Right-to-Know	/SLA	S SARIN/SLA	SLA
Michigan Critical Materials Register	/SMI	S PARATHION/SMI	SMI
State of Minnesota Right-to-Know	/SMN	S CYCASIN/SMN	SMN

4) Contains TSCA Section 8 (c) submissions to EPA.

SEARCH AND DISPLAY FIELDS (continued)

Search Field Name	Search Code	Search Examples	Display Code
EPA Significant New Alternatives Program for CFCs and Halon	/SNAP	S LIMITS/SNAP	SNAP
State of New Jersey Right-to-Know	/SNJ	S MUTAGEN/SNJ	SNJ
State of New York Right-to-Know	/SNY	S AIR/SNY	SNY
State of Pennsylvania Right-to-Know	/SPA	S HAZARD/SPA	SPA
State of Rhode Island Right-to-Know	/SRI	S CYCLOPROPANE/SRI	SRI
Storage/Handling/Environment	/STOR	S SPILLAGE DISPOSAL/STOR	STOR
Studies on Toxicity/Exposure	/STY	S DAPHN?/STY	STY
Section Update Date 3)	/SUP	S DU PONT/STY	not displayed
ACGIH Threshold Limit Values	/TLV	S SUP>20071200(L)PROP65/FA	TLV
Transportation/Packaging/Labeling	/TRANS	S BENZENE/TLV	TRANS
National Toxicology Program Technical Reports List	/TRNTP	S UNBREAKABLE/TRANS	TRNTP
Unreasonable Risk - TSCA Section 6	/UNR	S PHENOL/TRNTP	UNR
Update Date 3)	/UP	S METALWORK?/UNR	not displayed
UVCB Chemical Category	/UVCB	S UP>=JAN 2003	UVC
		S ACID CHLORIDES/UVC	
		S PHENOLS/UVC	
Violations to Miscellaneous Regulations or Advisory Lists	/VIO	S PCB/VIO	VIO
Clean Air Act Section 111 Volatile Organic Compounds	/VOC	S EMISSION STANDARDS/VOC	VOC
German Water Hazard Class Substance List	/WGK	S (HAZARD CLASSIFICATION)/WGK	WGK
WHMIS Ingredient List (Canada)	/WHMIS	S BENZENE/WHMIS	WHMIS
Cross-Reference Registry Number	/XRN	S 9000-78-6/XRN	XRN

3) Numeric search field that may be searched using numeric operators or ranges.

DISPLAY AND PRINT FORMATS

Any combination of display fields and formats may be used to display or print answers. Multiple codes must be separated by commas or spaces, e.g. 'D L1 1-5 TI PI'. The fields are displayed or printed in the order requested. Hit-term highlighting is available for all fields except AN and FA fields. Highlighting must be ON during SEARCH in order to use the HIT, KWIC, and OCC formats.

More information about display fields for specific types of information is available by typing one of the following 'HELP' commands at an arrow prompt (=>) in the CHEMLIST database:

HELP DFIELDS	-	lists all valid custom formats
HELP EFIELDS	-	lists all selectable fields
HELP FORMATS	-	lists valid predefined formats
HELP SRTFIELDS	-	lists valid sort fields

Format	Definition	Examples
4A (TES)	Test Rule - TSCA Section 4A	D 1-5 4A
4E (ITC)	Interagency Testing Committee	D 4E 5-15 L41
4F (RIS)	Risk May Be Unreasonable	D L2 4F 1-3,5,9
5A1 (PMN)	Premanufacture Notice	D 1-10 PMN
5A2 (RSNU)	Significant New Use Rule	D 5A2 L7
5E (INS)	Insufficient Data Order	D L1 5 5E
5H (EXM)	Exemption from PMN	D 5H 3 L7
8A (REP)	Report on Volume, Exposure, Etc.	D 8,11,15 8A
8D (UNP)	Rule Calling for Unpublished Reports of Health/ Safety Studies	D UNP
8E (SRR)	Substantial Risk Report	D 8E 4A

DISPLAY AND PRINT FORMATS (continued)

Format	Definition	Examples
AAQS	Clear Air Act National Ambient Air Quality Standards	D AAQS
AN	Accession Number	D 1-10 AN
CANL	Canadian Legislation Affecting Chemicals	D CANL
CBI	Confidentiality Status	D CBI 2-3
CERHS	CERCLA Hazardous Substances	D CERHS
CFR	CFR Title	D CFR 5-10
CGB	DOT Coast Guard Bulk Hazardous Materials	D CGB
CGN	DOT Coast Guard Noxious Liquids	D CGN
CHP	Chemical Hazard Information Profile	D L4 2-6 CHP
CN	1) Chemical Name	D 1-7 L2 CN
CWA	Clean Water Act Sections 301, 307, and 311	D CWA
DEA	Drug Enforcement Administration Precursor and Essential Chemicals	D DEA
DEF	Definition for UVCB Substances	D DEF
EECDS	EEC Classification, Packaging, and Labeling of Dangerous Substances	D EECDS
EECL	European Community Legislation	D EECL
EHS	SARA Title III/EPCRA Extremely Hazardous Substances	D EHS
EPN	EPA Number	D EPN
FA	Field Availability	D FA 1-5
FCN	2) Full Chemical Name	D FCN 1-3
FGRAS	FDA Food Substances Generally Recognized as Safe	D FGRAS
FS	File Segment	D FS L5 1-2
HA	Health Advisory	D L9 HA
HAP	Clean Air Act 1990 Amendments Hazardous Air Pollutants	D HAP
HAZT	DOT Hazardous Materials Table	D HAZT
HHAZ	Health Hazards	D HHAZ
HHC	OSHA Highly Hazardous Chemicals	D L1 HHC
HOC	RCRA Halogenated Organic Compounds	D HOC
HPV	High Production Volume Chemicals	D HPV
HTU	Hazard, Toxicology, and Use Information	D HTU
IARC	International Agency for Research on Cancer	D IARC
ICC	Interagency Testing Committee Candidate	D ICC INV
IER	Import - Export Regulation	D IER
INV	Inventory Status	D INV
ITC	Interagency Testing Committee	D ITC 5-15 L41
IUR	Inventory Update Rule	D IUR
JDATA	Supplemental Data from the Japanese ENCS	D JDATA
LDR	RCRA Land Disposal Restrictions	D LDR
MASS	Massachusetts Toxic and Hazardous Substance List	D MASS
MCL	Safe Drinking Water Act Maximum Contaminant Levels	D MCL
MCLG	Safe Drinking Water Act Maximum Contaminant Levels Goals	D MCLG
MISC	Miscellaneous Regulation	D MISC
MTL	TSCA Section 4 Master Testing List	D MTL
NREL	NIOSH Recommended Exposure Limits	D NREL
NTPC	National Toxicology Program Carcinogen List	D NTPC
ODC	Clean Air Act Ozone Depleting Compounds	D ODC
PAFA	FDA Priority-Based Assessment of Food Additives	D PAFA
PAI	EPA Pesticide Active Ingredients	D PAI
PEL	OSHA Permissible Exposure Levels	D PEL
PET	Citizens' Petition - TSCA Section 21	D PET 1-3
PII	EPA Pesticide Inert Ingredients	D PII
PROP	Chemical/Physical Properties	D PROP
PROP65	California Proposition 65 List	D PROP65
RLN	Regulatory List Number	D RLN
RN	CAS Registry Number	D 1,4,8 RN
RSTR	Restricted Chemicals Lists	D RSTR

1) CN format displays the first 50 names, plus any hit names.

2) FCN format displays all available chemical names.

DISPLAY AND PRINT FORMATS (continued)

Format	Definition	Examples
SC	CFR Section	D SC L1 4
S110	Superfund Amendment Reauthorization Act Section 110	D S110
S313	Superfund Amendment Reauthorization Act Section 313	D S313
SIDS	OECD Screening Information Data Set Project	D SIDS
SIL	State of Illinois Right-to-Know Toxic Substances List	D SIL
SLA	State of Louisiana Right-to-Know	D SLA
SMI	Michigan Critical Materials Register	D SMI
SMN	State of Minnesota Right-to-Know	D SMN
SNAP	EPA Significant New Alternatives Program for CFCs and Halon	D SNAP
SNJ	State of New Jersey Right-to-Know	D SNJ
SNY	New York Hazardous Substances Release and Bulk Storage	D SNY
SPA	State of Pennsylvania Right-to-Know	D SPA
SRI	State of Rhode Island Right-to-Know	D SRI
STOR	Storage/Handling/Environment	D STOR
STY	Unpublished Reports on Studies on Toxicity/Exposure	D 1-3 STY
TLV	ACGIH Threshold Limit Values	D TLV
TRANS	Transportation/Packaging/Labeling	D TRANS
TRNTP	National Toxicology Program Technical Reports List	D TRNTP
UNR	Unreasonable Risk - TSCA Section 6	D UNR
UVCB	UVCB Chemical Category	D UVCB
VIO	Violations to Miscellaneous Regulations or Advisory Lists	D VIO 2-6 L3
VOC	Clean Air Act Section 111 Volatile Organic Compounds	D VOC
WGK	German Water Hazard Class Substance List	D WGK
WHMIS	WHMIS Ingredient List (Canada)	D WHMIS
XRN	Cross-Reference Registry Number	D XRN
ALL	AN, RN, CN, DEF, FS, UVCB, CBI, XRN, CFR, SC, RSTR, RLN, INV, FA, PMN, 4A, 4F, 5E, 5H, 8A, 8D, 8E, CHP, HA, ICC, IER, ITC, MTL, PET, RSNU, STY, IUR, UNR, AAQS, HAP, ODC, VOC, CERHS, CWA, PAI, PIT, HOC, LDR, EHS, S110, S313, MCL, CGB, CGN, HAZT, FGRAS, PAFA, NREL, HHC, PEL, CANL, WHMIS, EECDS, EECL, WGK, JDATA, STOR, DEA, TRANS, HTU, IARC, HHAZ, HPV, PROP, SIDS, NTPC, TLV, TRNTP, VIO, MISC, PROP65, SIL, SLA, MASS, SMI, SMN, SNJ, SNY, SPA	
FIDE	All substance identification, including all names, and legal status (AN, RN, CN, DEF, FS, CBI, UVCB, XRN, CFR, SC, RLN, INV, FA)	
IDE	Substance identification (up to 50 names) and legal status (AN, RN, CN, DEF, FS, CBI, UVCB, XRN, CFR, SC, INV, FA)	D 1-10 IDE
QRD	Query related data (IDE plus HIT) (QRD is default)	
HIT	Hit-term(s) and field(s)	D AN HIT
KWIC	Up to 50 words before and after hit terms (KeyWord-In-Context)	D KWIC
OCC	Number of occurrences of hit terms and fields in which they occur	D OCC

SELECT, ANALYZE, AND SORT CODES

The SELECT command is used to create E-numbered or L-numbered lists of terms taken from the specified field(s) in an answer set.

The ANALYZE command is used to create an L-number containing terms taken from the specified field in an answer set.

The SORT command is used to rearrange the search results in either alphanumeric (A) or numeric (N) order of the specified field(s).

SELECT, ANALYZE, AND SORT CODES (continued)

Definition	Code	Analyze/ Select 1)	Sort
Confidentiality Status	CBI	-	A
CFR Title	CFR	x	A
Chemical Names and CAS Registry Numbers	CHEM	x 2)	-
Chemical Name	CN	x 3)	A
	FCN	x 4)	-
	NAME	x 2) (default)	-
Definition	DEF	x	-
File Segment	FS	-	A
Inventory Status	INV	-	A
Occurrence Count of Hit Terms	OCC	-	N
Premanufacture Notice Number	PMNN	x	A
Regulatory List Number	RLN	x	A
CAS Registry Number	RN	x	A
CFR Section	SC	x	A
Cross-Reference Registry Number	XRN	x	-

- HIT may be used to restrict terms extracted to terms that match the search expression used to create the answer set, e.g., SEL HIT TI.
- Appends /BI to the terms created by SELECT.
- Up to 50 available names are extracted.
- All available chemical names are extracted.

SAMPLE RECORD

DISPLAY ALL

(Display the FA (Field Availability) field before requesting the ALL format to determine the amount and type of information in the record)

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AN      8156  CHEMLIST
RN      1338-23-4
CN      2-Butanone, peroxide (TSCA, DSL, EINECS, ENCS, AICS, SWISS, PICCS,
        ASIA-PAC, NZIoC)
        Peroxyde de butan-2-one (French) (DSL)
        butanone-2, peroxyde (French) (EINECS)
        2-Butanon, Peroxid (German) (EINECS)
        2-butanona, peroxido (Spanish) (EINECS)
        2-Butanone peroxide (ECL)
        2-BUTANON-PEROXID (German) (SWISS)
        BUTAN-2-ONE PEROXIDE (PICCS)
        METHYL ETHYL KETONE PEROXIDE (PICCS)
        Butanox LPT
        Butanox M 105
        Butanox M 50
        Butanox M 60
        Cat-M
        Chaloxyd MEKP-HA 1
        Chaloxyd MEKP-LA 1
        DDM 9
        Delta X 9
        Diprometil LA 50R
        Ethyl methyl ketone peroxide
        FR 222
        Hi-Point 180
        Hi-Point 90
        Kayamek A
        Kayamek M
        Ketonox
        Lucidol DDM 9

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Lucidol Delta X
 Luperox K 1
 Luperox K 12
 Luperox K 18
 Lupersol DDA 30
 Lupersol DDM
 Lupersol DDM 9
 Lupersol Delta X
 Lupersol Delta X 9
 Lupersol DHD 9
 Lupersol DNF
 Lupersol DSW
 ME 50L
 MEK peroxide
 MEKP 9
 MEKP-NA 1
 MEKPO
 Mepox
 Mepox 55
 Methyl ethyl ketone hydroperoxide
 Norox MEKP 925H
 Permek G
 Permek H
 Permek N
 Peroximon 41
 Peroximon K 4
 Superox 46-710
 Superox 46-747

FS ASIA-PACIFIC: ASIA-PAC; AUSTRALIA: AICS; CANADA: DSL, WHMIS; EEC: EINECS; JAPAN: ENCS; KOREA: ECL; NEW ZEALAND: NZIoC; PHILIPPINES: PICCS; Restricted Chemical Lists: RSTR; SWITZERLAND: SWISS; USA: ACGIH, CERCLA, DOT, NIOSH, NTP, OSHA, RCRA, STATE, TSCA

CBI Public

UVCB Peroxides

CFR 29 CFR Part 1910; 40 CFR Part 261; 40 CFR Part 302

SC 29 CFR 1910.119; 40 CFR 261.5

RLN EPA Number: HW(RCRA) U160
 EINECS Number: 215-661-2
 ENCS Number: 5-667X
 ECL Serial Number: KE-03883
 SWISS Number: G-2430
 PAKISTAN 150
 INDIA 385

INV On TSCA Inventory
 January 2008 TSCA Inventory.
 On DSL
 Supplement to Canada Gazette, Part I, January 26, 1991.
 On EINECS
 Annex to Official Journal of the European Communities, 15 June 1990.
 On ENCS
 Unlisted chemical name. For ENCS chemical class or category name, refer to ENCS Number 5-667.
 On AICS
 Australian Inventory of Chemical Substances, June 1996 Ed.
 On ECL
 Korean Existing Chemicals List, January 1997.
 On SWISS
 Giftliste 1 (List of Toxic Substances 1), 31 May 1999.
 Toxic Category 2.
 On PICCS
 Philippines Inventory of Chemicals and Chemical Substances, 2000.
 On ASIA-PAC
 On NZIoC
 New Zealand Inventory of Chemicals, 2006.
 This substance has HSNO approval.

RSTR HONG KONG: Hazardous Chemicals Control Ordinance-Dangerous Goods List, 2007

CHEMLIST

Category: 10; Exempt Quantity: NIL; Label: B2 and G.

RSTR PAKISTAN: List of Prescribed Hazardous Chemicals, 2003

RSTR INDIA: List of Hazardous Chemicals, 2000
Concentrate 60%.

FA RN CAS Registry Number
RLN Regulatory List Number
INV Inventory Status
RSTR Restricted Chemical Lists
8A Report On Volume, Exposure, Etc.
8E Substantial Risk Report
MTL TSCA Section 4 Master Testing List
PET Citizens' Petition - TSCA Section 21
IUR Inventory Update Rule
CERHS CERCLA Hazardous Substances
LDR RCRA Land Disposal Restrictions
HAZT DOT Hazardous Materials Table
NREL NIOSH Recommended Exposure Limits
HHC OSHA Highly Hazardous Chemicals (OSHA)
WHMIS WHMIS Ingredient List (Canada)
EECL European Community Legislation
WGK German Water Hazard Class Substance List
STOR Storage/Handling/Environment
TRANS Transportation/Packaging/Labeling
HTU Hazard, Toxicology, and Use Information (RTECS)
HHAZ Health Hazards
HPV High Production Volume Chemicals
PROP Chemical/Physical Properties
SIDS OECD Screening Information Data Set Project
TLV ACGIH Threshold Limit Values
TRNTP National Toxicology Program Technical Reports (NTP)
MISC Miscellaneous Regulations
SIL State of Illinois Right-to-Know
MASS Massachusetts Right-to-Know
SMN Minnesota Right-to-Know
SNJ New Jersey Right-to-Know
SNY New York Hazardous Substances Release and Bulk Storage
SPA Pennsylvania Right-to-Know
SRI State of Rhode Island Right-to-Know

==== U.S. EPA Regulations - TSCA ====

8A Report On Volume, Exposure, Etc.
Fed. Regist. 45 #42:13646 (29 Feb 1980).
Proposal to require manufacturers (including miners and importers) and certain processors of this substance to report production and exposure-related data, which will be used for ranking substances for investigation and for preliminary risk assessments.

8E Substantial Risk Report
Pesticide Toxic Chemical News 21 #24:23 (14 Apr 1993).
Results from preliminary mortality study; Society of the Plastics Industry (SPI); statistically significant increases in deaths from certain type of cancers; lung cancer; kidney cancer; prostate cancer; cancer of cervix uteri; cancer of the other female genital organs; hypertensive heart disease; certain nonmalignant respiratory disease; motor vehicle accidents; study done on 15,878 male and female employees who worked at least six months between 1948 and 1977 in reinforced plastics and composites industry; no increase in mortality from lymphatic and hematopoietic cancers; no increase in leukemia

MTL TSCA Section 4 Master Testing List
Master Testing List. URL: www.epa.gov/opptintr/chemtest (23 Jan 2007).
This substance is on the Master Testing List (MTL).
First listed: 1996.

PET Citizens' Petition - TSCA Section 21
Fed. Regist. 57 #174:41020 (08 Sep 1992).
EPA is not proposing to add this chemical to the list of toxic substances subject to reporting under Section 313 of EPCRA because the available data do not indicate that this chemical meets the criteria of EPCRA 313(d)(2). This action is in response to petitions from the Governor of

New York and the Natural Resources Defense Council.

IUR Inventory Update Rule
<http://www.epa.gov/oppt/iur/index.htm> (2004).
 This chemical was reported under the TSCA Inventory Update Rule for the 2002 reporting period.

IUR Inventory Update Rule
<http://www.epa.gov/oppt/iur/index.htm> (01 Jan 2003).
 This chemical was reported under the TSCA Inventory Update Rule for the following reporting period(s): 1986, 1990, 1994, 1998.

==== U.S. EPA Regulations - CERCLA ====

CERHS CERCLA Hazardous Substances
 Code of Federal Regulations 40CFR302 v. 24 Table 302.4 (01 July 2004).
 This substance is on the CERCLA List of Hazardous Substances. Releases exceeding the Final Reportable Quantity (RQ) are subject to reporting. The RQ for this substance is 10 lbs./4.54 kg.
 Listed Name(s): Methyl ethyl ketone peroxide; 2-Butanone, peroxide

==== U.S. EPA Regulations - CERCLA ====

CERHS CERCLA Hazardous Substances
 Code of Federal Regulations (CFR) v.40 Part 302 Table 302.4 (01 Jul 1997).
 This substance is on the CERCLA List of Hazardous Substances. Releases exceeding the Final Reportable Quantity (RQ) are subject to reporting. The RQ for this substance is 10 lbs./4.54 kg.

==== U.S. EPA Regulations - RCRA ====

LDR RCRA Land Disposal Restrictions
 40 CFR 261- Solid Wastes: Identification and Listing of Hazardous Waste (Jul 11 2005).
 This substance is classified as a toxic waste and is subject to the small quantity exclusion defined in 40 CFR 261.5. The primary hazardous properties of this substance are reactivity and toxicity. EPA HW Number U160.

==== U.S. DOT Regulations ====

HAZT DOT Hazardous Materials Table
 Office of Hazardous Materials Safety URL:<http://www.myregs.com/dotrspa/> (30 Jul 2003).
 This substance is listed on the Department of Transportation (DOT) Hazardous Materials Table.
 Listed Name(s): Methyl ethyl ketone peroxide, in solution with more than 9 percent by mass active oxygen
 Hazard Class or Division: Forbidden.

HAZT DOT Hazardous Materials Table
 Fed. Regist. 59 #249:67395 (29 Dec 94)
 Listed Name(s): Methyl ethyl ketone peroxide, in solution with >9% by mass active oxygen [Forbidden].

==== U.S. NIOSH Regulations ====

NREL NIOSH Recommended Exposure Limits
 DHHS (NIOSH) Publication Number 92-100
 Listed Name(s): MEKP
 Methyl ethyl ketone peroxide
 REL: 0.2 ppm (1.5 mg/m³) ceiling
 Health Effects: Eye and skin irritation; lung, liver, and kidney damage.

==== U.S. OSHA Regulations ====

HHC Highly Hazardous Chemicals
 Code of Federal Regulations (CFR) v.29 Part 1910, Section 1910.119, July 1, 1997.
 Highly Hazardous Chemicals (HHCs). Final rule that establishes standards associated with processes using highly hazardous chemicals (HHCs) to prevent or minimize the consequences of catastrophic releases of toxic, reactive, flammable, or explosive chemicals. Facilities covered by the rule process one or more HHC in quantities equal to or greater than a designated Threshold Quantity (TQ). Process is defined as any activity involving a HHC including any use, storage, manufacturing, handling, or the on-site movement of such chemicals, or combination of these activities. The TQ for concentrations of this substance > 60% is 5,000 lbs.

==== U.S. OSHA Regulations ====

HHC Highly Hazardous Chemicals

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Fed. Regist. 57 #36:6356 (24 Feb 1992); Code of Federal Regulations (CFR) v.29 Part 1910, Section 1910.119, July 1, 1992. Effective date: 26 MAY 1992.

Highly Hazardous Chemicals (HHCs). Final rule that establishes standards associated with processes using highly hazardous chemicals (HHCs) to prevent or minimize the consequences of catastrophic releases of toxic, reactive, flammable, or explosive chemicals. Facilities covered by the rule process one or more HHC in quantities equal to or greater than a designated Threshold Quantity (TQ). Process is defined as any activity involving a HHC including any use, storage, manufacturing, handling, or the on-site movement of such chemicals, or combination of these activities. The TQ for concentrations of this substance > 60% is 5,000 lbs.

==== Canadian Regulations ====

WHMIS WHMIS Ingredient List (Canada)

Workplace Hazardous Material Information System (WHMIS). Canada Gazette, Part II, 122(2) (01 Jan 88)

Listed Name(s): Methyl ethyl ketone peroxide.

==== European Community Regulations ====

EECL European Community Legislation

Official Journal of the European Union, No L 325 (11 Dec 2007).

Publication of Council Directive 98/8/EC Article 16(2) concerning the placing of biocidal products on the market. This substance is included in Annex I; classified as an existing active substance in biocidal products in accordance with the requirements of Article 3(1) or 5(2) of Regulation (EC) No 1896/2000.

WGK German Water Hazard Class Substance List

German Water Hazard Class Substances List, 27 Nov 2006.

This substance has been assigned a Water Hazard Classification under the June 1999 Administrative Regulation on Substances Hazardous to Waters (Verwaltungsvorschrift wassergefahrdende Stoffe) in Germany.

Listed Name(s): Methylethylketonperoxid

Kenn-Number: 1108

State of Classification: VwVwS.

German Water Hazard Classification (WGK) Number: 1.

==== Miscellaneous Regulations or Advisory Lists ====

STOR Storage/Handling/Environment

URL:<http://www.cdc.gov/niosh/ipcs/icstart.html> (03 Oct 2007).

Spillage Disposal: Chemical protection suit including self-contained breathing apparatus. Collect leaking and spilled liquid in sealable plastic containers as far as possible. Do NOT absorb in sawdust or other combustible absorbents.

Storage: Store only if stabilized. Well closed.

TRANS Transportation/Packaging/Labeling

URL:<http://www.cdc.gov/niosh/ipcs/icstart.html> (03 Oct 2007).

UN Hazard Class: 5.2

UN Subsidiary Risks: 1 and 8

UN Packing Group: II.

HTU Hazard, Toxicology, and Use Information

Human Data

Skin / Eye Irritant

Tumor data (RTECS)

HHAZ Health Hazards

URL:<http://www.cdc.gov/niosh/ipcs/icstart.html> (03 Oct 2007).

Occupational exposure limits: TLV: 0.2 ppm (Ceiling value.) MAK not established. NIOSH REL: C 0.2 ppm (1.5 mg/m³).

Routes of Exposure: The substance can be absorbed into the body by inhalation and by ingestion.

Inhalation Risk: A harmful concentration of airborne particles can be reached quickly when dispersed.

Effects of Short-Term Exposure: The substance is corrosive to the eyes, the skin and the respiratory tract. Corrosive on ingestion.

RTECS No: EL9450000.

HPV High Production Volume Chemicals

2004 OECD List of High Production Volume Chemicals

URL:<http://www.oecd.org> (Nov 2004).

This substance is listed on the 2004 OECD List of High Production Volume

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- Chemicals. This substance was produced at a level greater than 1,000 tons/year in at least one member country of the European Union. It is a high production volume (HPV) chemical.
- HPV High Production Volume Chemicals
ICCA Working List <http://www.cefic.org/activities/hse/mgt/hpv/hpvinit.htm> (Aug 2003).
This substance is listed on the ICCA Main Working List of High Production Volume Chemicals. This substance is considered HPV or otherwise of interest in two or more regions (i.e. North America, Europe, or Japan). This list is sponsored by the International Council of Chemical Associations (ICCA).
- HPV High Production Volume Chemicals
2000 OECD List of High Production Volume Chemicals
URL:<http://www1.oecd.org/ehs/HPV.HTM> (Feb 2001).
This substance is listed on the 2000 OECD List of High Production Volume Chemicals. This substance was produced at a level greater than 1,000 tons/year in at least one member country of the European Union. It is a high production volume (HPV) chemical.
- HPV High Production Volume Chemicals
1990 U.S. HPV Challenge Program Chemical List. URL:
<http://www.epa.gov/chemrtk/hpvchmlt.htm> (18 Dec 2002).
This substance is listed on the U.S. HPV Challenge Program Chemical List. This substance was manufactured/imported into the United States in amounts equal to or greater than one million pounds per year. This chemical is otherwise being handled under the Organization for Economic Co-operation and Development (OECD) HPV Screening Information Data Set (SIDS) Program. This chemical has a fully sponsored commitment under the HPV Challenge Program.
- PROP Chemical/Physical Properties
URL:<http://www.cdc.gov/niosh/ipcs/icstart.html> (03 Oct 2007).
Physical State; Appearance: Colorless liquid, with pungent odor.
Chemical Dangers: Heating may cause violent combustion or explosion. On combustion, forms toxic and corrosive gases. The substance is a strong oxidant and reacts violently with combustible and reducing materials, amines, metals, strong acids, strong bases, causing fire and explosion hazard.
Boiling point (decomposes): >80°C
Relative density (water = 1): 1.10-1.17
Solubility in water: very poor.
- SIDS OECD Screening Information Data Set Project
OECD SIDS Chemicals <http://www1.oecd.org/ehs/sidstable/index.htm> (Feb 2002).
The Screening Information Data Set (SIDS) program operated under the auspices of the Organization for Economic Cooperation and Development (OECD) is a voluntary cooperative international testing program that began in 1989. The SIDS program is focused on developing base level test information on approximately 600 poorly characterized international HPV chemicals. The SIDS data are used to "screen" the chemicals and set priorities for further testing or risk assessment/management activities. This substance is an HPV chemical for which a SIDS is available.
- TLV ACGIH Threshold Limit Values
American Conference of Governmental Industrial Hygienists Threshold Limit Values and Biological Exposure Indices for 1999
Listed Name(s): Methyl ethyl ketone peroxide
Ceiling (0.2 ppm)
- TRNTP National Toxicology Program Technical Reports List
NTP Technical Report Series (available from NTIS)
Listed Name(s): Methyl ethyl ketone peroxide.
- MISC Miscellaneous Regulations
Chemical Regul. Rep. 28 #12:344 (22 Mar 2004).
The Resource Conservation and Recovery Act and the Hazardous Materials Transportation Uniform Safety Act were possibly violated by three Idaho men including the former owner of Ponderosa Paint. It is alleged that the men were storing hazardous waste in rusted and leaking drums.
==== U.S. State Regulations ====
- SIL State of Illinois Right-to-Know Toxic Substances List
List discontinued per Illinois Department of Labor, Safety Inspection and

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- Education Division (01 Jul 1997).
Illinois Register, Section 205, Table A, Toxic Substances List (1991)
Listed Name(s): Methyl ethyl ketone peroxide.
- MASS Massachusetts Right-to-Know
Massachusetts Substance List for Right-to-Know Law (Apr 93).
General Law C.111F, Chapter 30A (28 Jun 84); 105 CMR 670.000, Appendix A
Listed Name(s): 2-Butanone peroxide; Methyl ethyl ketone peroxide.
First Listed: Apr 1993.
- SMN Minnesota Right-to-Know
<http://www.revisor.leg.state.mn.us/arule/5206/0400.html> (21 Jun 2002).
This substance is listed on the Minnesota Hazardous Substances List
Listed Name(s): Methyl ethyl ketone peroxide.
- SNJ New Jersey Right-to-Know
New Jersey Department of Health Hazard Right-to-Know Program Hazardous
Substance List, December 1989.
Special Health Hazard Code(s): None
Common Name(s): METHYL ETHYL KETONE PEROXIDE; 2-BUTANONE PEROXIDE;
2-BUTANONE, PEROXIDE
- SNY New York Hazardous Substances Release and Bulk Storage
New York State Department of Environmental Conservation Division of
Environmental Remediation
URL:<http://www.dec.state.ny.us/website/regs/597.htm>.
Effective date: 15 JUL 1988.
This substance is listed on the New York State List of Hazardous
Substances.
Listed name(s): Methyl ethyl ketone peroxide.
Reportable Quantity (pounds): Air: 10
Land/Water: 1
Note: Acutely hazardous substance.
Last amended: 11 Aug 1994.
- SPA Pennsylvania Right-to-Know
Pennsylvania Department of Labor and Industry Hazardous Substance List
1989.
Listed Name(s): 2-BUTANONE, PEROXIDE
Special Health Hazard Code(s): (E) Environmental Hazard
- SRI State of Rhode Island Right-to-Know
URL:<http://www.dlt.state.ri.us/webdev/osha/subcas.htm> (03 Nov 2003).
This substance is listed on the Rhode Island Hazardous Substance List.
Listed name(s): Ethyl methyl ketone peroxide; Methyl ethyl ketone
peroxide.