

CHEMLIST® / HCHEMLIST (Regulated Chemicals Listing)

The two files differ only in pricing metrics.

Subject Coverage	<ul style="list-style-type: none"> • Substance inventories • Regulatory lists • Dangerous chemicals 																				
File Type	Directory, Substance, Inventory																				
Features	<table> <tr> <td>Thesaurus</td> <td>Not available</td> <td></td> <td></td> </tr> <tr> <td>Alerts (SDIs)</td> <td>Weekly</td> <td></td> <td></td> </tr> <tr> <td>CAS Registry Number® Identifiers</td> <td><input checked="" type="checkbox"/></td> <td>Page Images</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Keep & Share</td> <td><input checked="" type="checkbox"/></td> <td>SLART</td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Learning Database</td> <td><input type="checkbox"/></td> <td>Structures</td> <td><input type="checkbox"/></td> </tr> </table>	Thesaurus	Not available			Alerts (SDIs)	Weekly			CAS Registry Number® Identifiers	<input checked="" type="checkbox"/>	Page Images	<input type="checkbox"/>	Keep & Share	<input checked="" type="checkbox"/>	SLART	<input checked="" type="checkbox"/>	Learning Database	<input type="checkbox"/>	Structures	<input type="checkbox"/>
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Learning Database	<input type="checkbox"/>	Structures	<input type="checkbox"/>																		
Record Content	<ul style="list-style-type: none"> • Substance identity information, inventory status, source of information, and summaries of regulatory activity, reports, and other compliance information • 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 substances lists 																				
File Size	More than 406,500 records (01/24)																				
Coverage	Inventories and regulatory listings, 1980-present																				
Updates	<ul style="list-style-type: none"> • 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 																				
Language	English																				
Database Producer	Chemical Abstracts Service 2540 Olentangy River Road P.O. Box 3012 Columbus, Ohio 43210-0012 USA Phone: 800-753-4227 (North America) Phone: 614-447-3731 (worldwide) Email: help@cas.org Copyright Holder																				

CHEMLIST/HCHEMLIST

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.

User Aids

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

Clusters

- CASRNS
- GOVREGS
- HEALTH
- SAFETY
- TOXICOLOGY

STN Database Cluster information:
<https://www.cas.org/support/training/stn/database-clusters>

Pricing

Enter HELP COST at an arrow prompt (=>).

SEARCH and DISPLAY Field Codes

The field that allows left truncation (/BI) is marked with an asterisk (*).

Search Field Name	Search Code	Search Examples	Display Codes
Basic Index * (contains CAS Registry Numbers, single words from the CN, CFR, INV, INVT, SC, and UVC fields, EPA numbers, and summary text of each section of the law) (1)	None (or /BI)	S ?BROMO? AND INHAL? S 77-47-4 or S ECOTOXIC? S P 79-11	All fields except AN, CBI, DEF, FA, FS
Accession Number	/AN	S 33063/AN	AN
ACGIH Threshold Limit Values	/TLV	S BENZENE/TLV	TLV
California Proposition 65 List	/PROP65	S REPROD? TOXIC? /PROP65	PROP65
Canadian Legislation Affecting Chemicals	/CANL	S IMPORT?/CANL	CANL
CAS Registry Number	/RN	S 77-47-4/RN	RN
CERCLA Hazardous Substances	/CERHS	S RQ/CERHS	CERHS
CFR Section	/SC	S 29 CFR 1910.119/SC	SC
CFR Title (2)	/CFR	S 40 CFR PART 116/CFR	CFR
Chemical Hazard Information Profile	/CHP	S CARCIN?/CHP	CHP
Chemical Name	/CN	S M-CRESOL/CN	CN
Chemical/Physical Properties	/PROP	S SOLUBILITY/PROP	PROP
Citizens' Petition - TSCA Section 21	/PET	S PCB/PET	PET
Classification, Labeling, and Packaging	/CLP (/EECDs)	S ACETATE/CLP	CLP
Clean Air Act 1990 Amendments Hazardous Air Pollutants	/HAP	S ACETALDEHYDE/HAP	HAP
Clean Air Act National Ambient Air Quality Standards	/AAQS	S AEROSOL/AAQS	AASQ
Clean Air Act Ozone Depleting Compounds	/ODC	S METHYL BROMIDE/ODC	ODC
Clean Air Act Section 111 Volatile Organic Compounds	/VOC	S EMISSION STANDARDS/VOC	VOC
Clean Water Act Sections 301, 307, and 311	/CWA	S POLLUTANT/CWA	CWA
Confidentiality Status	/CBI	S PUBLIC/CBI	CBI
Cross-Reference Registry Number	/XRN	S 9000-78-6/XRN	XRN
Definition for UVCB Substances	/DEF	S FATTY ACID#/DEF	DEF
DOT Coast Guard Bulk Hazardous Materials	/CGB	S BUTYROLACTONE/CGB	CGB
DOT Coast Guard Noxious Liquids	/CGN	S BUTYRIC ACID/CGN	CGN
DOT Hazardous Materials Table	/HAZT	S FORBIDDEN/HAZT	HAZT
Drug Enforcement Administration Precursor and Essential Chemicals	/DEA	S DESOMORPHINE/DEA	DEA
Entry Date (3)	/ED	S ED>=20110804	Not displayed
EPA Number	/EPN	S 1-1018/EPN	RLN
EPA Pesticide Active Ingredients	/PAI	S SODIUM FUMARIN/PAI	PAI
EPA Pesticide Inert Ingredients	/PII	S LARD/PII	PII
EPA Significant New Alternatives Program for CFCs and Halon	/SNAP	S LIMITS/SNAP	SNAP
European Community Legislation	/EECL	S EXPOSURE/EECL	EECL
Exemption from PMN	/5H (or /EXM)	S INK?/5H	5H
FDA	/FDA	S ALCOHOL/FDA	FDA
FDA Food Substances Generally Recognized as Safe	/FGRAS	S RUE/FGRAS	FGRAS
FDA Priority-Based Assessment of Food Additives	/PAFA	S PARSLEY/PAFA	PAFA
Field Availability	/FA	S 4A/FA or S EHS/FA	FA
File Segment	/FS	S TSCA/FS or S ENCS/FS	FS
German Water Hazard Class Substance List	/WGK	S (HAZARD CLASSIFICATION)/WGK	WGK
Harmonized Tariff Code	/HTC	S 381121/HTC	HTC
Hazard, Toxicology, and Use Information	/HTU	S MUTATION/HTU	HTU
Health Advisory	/HA	S WORKER#/HA	HA
Health Hazards	/HHAZ	S INHALATION RISK/HHAZ	HHAZ
High Production Volume Chemicals	/HPV	S UNITED STATES/HPV	HPV
Import - Export Regulation	/IER	S TEST RULE/IER	IER
Insufficient Data Order	/5E (or /INS)	S NEURO?/5E	5E
Interagency Testing Committee	/4E (ITC)	S CARCIN?/4E	ITC
Interagency Testing Committee Candidate	/ICC	S REVIEW#/ICC	ICC
International Agency for Research on Cancer	/IARC	S GROUP 1/IARC	IARC

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SEARCH and DISPLAY Field Codes (cont'd)

Search Field Name	Search Code	Search Examples	Display Codes
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
Massachusetts Toxic and Hazardous Substance List	/MASS	S CAMPHOR OIL/MASS	MASS
Michigan Critical Materials Register	/SMI	S PARATHION/SMI	SMI
Minnesota Right-to-Know	/SMN	S CYCASIN/SMN	SMN
Miscellaneous Regulation (4)	/MISC	S DIOXIN#/MISC	MISC
National Toxicology Program Carcinogen List	/NTPC	S PHENYTOIN/NTPC	NTPC
National Toxicology Program Technical Reports List	/TRNTP	S PHENOL/TRNTP	TRNTP
New York Hazardous Substances Release and Bulk Storage	/SNY	S CALCIUM/SNY	SNY
NIOSH Recommended Exposure Limits	/NREL	S HYDROGEN PEROXIDE/NREL	NREL
OECD Screening Information Data Set Project	/SIDS	S BASE LEVEL/SIDS	SIDS
OSHA Highly Hazardous Chemicals	/HHC	S ALLEGATION#/HHC	HHC
OHSA Permissible Exposure Levels	/PEL	S PHOSGENE/PEL	PEL
Pennsylvania Right-to-Know	/SPA	S HAZARD/SPA	SPA
Premanufacture Notice	/5A1 (or /PMN)	S (AMES TEST)/PMN	PMN
Premanufacture Notice Number	/5A1N (or /PMNN)	S Y 89-75/PMNN	PMN
RCRA Halogenated Organic Compounds	/HOC	S PCBS/HOC	HOC
RCRA Land Disposal Restrictions	/LDR	S STANDARD/LDR	LDR
RCRA Waste Specific Prohibitions	/WSP	S BIOACCUMULATIVE/WSP	WSP
Regulatory List Number	/RLN	S P 92-150/RLN	RLN
Report on Volume, Exposure, Etc.	/8A (or /REP)	S CAIR/8A	8A
Restricted Chemical Lists	/RSTR	S SINGAPORE/RSTR	RSTR
Risk May Be Unreasonable	/4F (or /RIS)	S CANCER/4F	4F
Safe Drinking Water Act Maximum Contaminant Level Goal	/MCLG	S L1 AND PRIMAY/MCLG	MCLG
Safe Drinking Water Act Maximum Contaminant Levels	/MCL	S MAXIMUM/MCL	MCL
SARA Title III/EPCRA Extremely Hazardous Substances	/EHS	S EMERGENCY PLAN?/EHS	EHS
Section Update Date (3)	/SUP	S 20110822-20110826/SUP	Not displayed
Significant New Use Rule	/5A2 (or /RSNU)	S CHLORINATED/RSNU	RSNU
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
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 Rhode Island Right-to-Know	/SRI	S CYCLOPROPANE/SRI S	SRI
State of Vermont List of Chemicals of High Concern to Children	/SVT	S ARSENIC/SVT	SVT
Storage/Handling/Environment	/STOR	S SPILLAGE DISPOSAL/STOR	STOR
Studies on Toxicity/Exposure	/STY	S DAPHN?/STY or S DU PONT/STY	STY
Substantial Risk Report	/8E (or /SRR)	S TERATO?/8E	8E
Superfund Amendment Reauthorization Act Section 110	/S110	S PRIORITY LIST?/S110	S110
Superfund Amendment Reauthorization Act Section 313	/S313	S COPPER/S313	S313
Supplemental Data from the Japanese ENCS	/JDATA	S ACCUMULATED/JDATA	JDATA
Test Rule - TSCA Section 4a	/4A (or /TES)	S FINAL RULE/4A	4A
Transportation/Packaging/Labeling	/TRANS	S UNBREAKABLE/TRANS	TRANS
TSCA Section 4 Master Testing List	/MTL	S (FIRST LISTED 1990) MTL	MTL
Unpublished Report of Health/Safety Studies	/8D (or /UNP)	S MORTALITY/8D	8D
Unreasonable Risk - TSCA Section 6	/UNR	S METALWORK?/UNR	UNR
Update Date (3)	/UP	S UP>=20110801	Not displayed
UVC Subset Heading	/UVC	S ALGAE/UVC	UVC
UVCB Chemical Category	/UVCB	S PHENOLS/UVCB	UVCB
Violations to Miscellaneous Regulations or Advisory Lists	/VIO	S PCB/VIO	VIO
WHMIS Ingredient List (Canada)	/WHMIS	S BENZENE/WHMIS	WHMIS

(1) At least four characters need to be used for the length of the stem for left truncation.

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

(3) Numeric search field that may be searched with numeric operators or ranges. When a date is searched use the format of YYYYMMDD. For more information view HELP SNUMERIC.

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

DISPLAY and PRINT Formats

Any combination of formats may be used to DISPLAY and PRINT answers. Multiple codes may be separated by spaces or commas, e.g., D RN FA. The fields are displayed in the order requested. Hit-term highlighting is available in all fields except AN and FA. Highlighting must be ON in order to use the HIT, KWIC, and OCC formats.

Format	Content	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 1-5 5A1
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 Health/Safety Studies	D UNP
8E (SRR)	Substantial Risk Report	D 8E 4A
AAQS	Clean Air Act National Ambient Air Quality Standards	D AAQS
AN (1)	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
CLP (EECDs)	Classification, Labeling, and Packaging	D CLP
CN (2)	Chemical Name	D 1-7 L2 CN
CWA	Clean Water Act Sections 301, 307, and 311	D CWA
DEA	Drug Enforcement Administration Precursor	D DEA
DEF	Definition for UVCB Substances	D DEF
EECL	European Community Legislation	D EECL
EHS	SARA Title III/EPCRA Extremely Hazardous Substances	D EHS
FA (1)	Field Availability	D FA 1-5
FCN (3)	Full Chemical Name	D FCN 1-3
FDA	Federal Drug Administration Regulations	D FDA
FGRAS	FDA Food Substances Generally Recognized	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 HHC
HOC	RCRA Halogenated Organic Compounds	D HOC
HPV	High Production Volume Chemicals	D HPV
HTC	Harmonized Tariff Code	D HTC
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 Level Goals	D MCLG
MISC	Miscellaneous Regulations	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

SELECT, ANALYZE, and SORT Fields

The SELECT command is used to create E-numbers or an L-number containing terms from the specified field 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 alphabetic or numeric order of the specified field(s).

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

(1) 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 PMNN.

(2) Up to 50 available names are extracted.

(3) All available chemical names are extracted.

(4) Appends /BI to the terms created by SELECT.

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. NOTE the difference between these two records.)

```
AN 327898 CHEMLIST
RN 63918-90-1
CN Ethane, 1,1'-[oxybis(methylenethio)]bis[2-chloro- (INSQ)
Etano, 1,1' - [oxibis (metilenotio)] bis [2-cloro - (Spanish) (INSQ)
Bis(2-chloroethylthiomethyl)ether (VNECI)
1-chloro-2-([[(2-chloroethyl)sulfanyl]methoxy)methyl)sulfanyl]ethane
(English, French)
Bis(2-chloroethylthiomethyl) ether
bis(2-chloroethylthiomethyl) ether
1-chloro-2-((((2-chloroethyl)sulfanyl)methoxy)methyl)sulfanyl]ethane
(French)
1-chloro-2-([[(2-chloroethyl)sulfanyl]methoxy)methyl)sulfanyl]ethane
(French)
1-Chlor-2-((((2-chlorethyl)sulfanyl)methoxy)methyl)sulfanyl]ethan
(German)
1-Chlor-2-([[(2-chlorethyl)sulfanyl]methoxy)methyl)sulfanyl]ethan
(German)
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1-Chlor-2-[[{(2-chlorethyl)sulfanyl)methoxy)methyl)sulfanyl]ethan
(German)

FS Harmonized Tariff Code: HTC; MEXICO: INSQ; Restricted Chemical Lists:
RSTR; VIETNAM: VNECI

CBI Public

CFR 6 CFR Part 27

HTC Harmonized Tariff Code: 293090
EU Customs Code CN: 29309098

INV On INSQ
National Inventory of Chemical Substances in Mexico.
On VNECI
Vietnam Draft National Chemical Inventory.

RSTR VIETNAM: Law on Chemicals, Decree 113/2017/ND-CP, List of Banned
Chemicals
Listed Name(s): Sulfurmustards: / 2-Chloroethylchloromethylsulfide /
Mustardgas:Bis(2-chloroethyl)sulfide / Bis(2-chloroethylthio)methane /
Sesquimustard:1,2-Bis(2-chloroethylthio)ethane /
1,3-Bis(2-chloroethylthio)-n-propane /
1,4-Bis(2-chloroethylthio)-n-butane /
1,5-Bis(2-chloroethylthio)-n-pentane / Bis(2-chloroethylthiomethyl)ether
/ O-Mustard:Bis(2-chloroethylthioethyl)ether

THAILAND: Thailand Hazardous Substance List, Department of Industrial
Works
Listed Name(s): sulfur mustards bis 2-chloroethylthiomethyl ether
Category: Type 4
Registration Number: 28

INTERNATIONAL: US Department of Energy Cross Reference for
Export-Controlled Chemicals, International Edition, 2017
Substances on this list include chemicals that are listed as specific
substances in the control lists of the Australia Group (AG), Nuclear
Suppliers Group (NSG), Missile Technology Control Regime (MTCR), and
Wassenaar Arrangement (WA), as well as the Schedules of Chemicals in the
Chemical Weapons Convention (CWC).
HS 2017 Code: 2930.9
EU Control List No(s): ML7.b.2.a.8

FA RN CAS Registry Number
INV Inventory Status
HTC Harmonized Tariff Code
RSTR Restricted Chemical Lists
MISC Miscellaneous Regulations

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

MISC Miscellaneous Regulations
U.S. Department of Homeland Security, Office of the Secretary, Chemical
Facility Anti-Terrorism Standards, DHS Chemicals of Interest, 6 CFR 27
Appendix A.
Listed Name(s): Bis(2- chloroethylthiomethyl)ether
Theft Minimum Concentration: CUM 100g
Theft Screening Threshold Quantities: CUM 100g
Security Issues: Theft - CWI/CWP

MISC Miscellaneous Regulations
Internet: opcw.org (2015).
This substance is listed in Schedule 1 Part A-Toxic Chemicals of the
Chemical Weapons Convention (CWC). Facilities that produce and/or
process and/or consume Scheduled chemicals may be subject to control,
reporting mechanisms and inspection by the OPCW (Organisation for the
Prohibition of Chemical Weapons)

DISPLAY ALL

AN 8156 CHEMLIST
RN 1338-23-4
CN 2-Butanone, peroxide (TSCA, IECSC, DSL, REACH, EINECS, ENCS, AIIC, PICCS,
NZIoC, INSQ, AREC, VNECI)
Peroxyde de butan-2-one (French) (DSL)
Reaction mass of butane-2,2-diyl dihydroperoxide and
dioxydibutane-2,2-diyl dihydroperoxide (REACH)
butanone-2, peroxyde (French) (EINECS)
2-Butanon, Peroxid (German) (EINECS)
2-butanona, peroxido (Spanish) (EINECS, INSQ)
BUTAN-2-ONE PEROXIDE (PICCS)
METHYL ETHYL KETONE PEROXIDE (PICCS, TDCA)
2-Butanone peroxide
808A
Akperox A 1
Akperox A 50
Akperox A 60
Akzo M 50
Andonox CHM 50
Andonox KP 9
Andonox MCP 75
Andonox MEC
Andonox Pulcat Super
Benox B 50
Butanox 50
Butanox LA
Butanox LPT
Butanox M 105
Butanox M 50
Butanox M 50A
Butanox M 60
Butanox V 388
Cadox 50
Cadox M 50a
Cat-M
Chaloxyd MEKP-HA 1
Chaloxyd MEKP-LA 1
Curox M 102
DDM 9
Delta X 9
Diprometil LA 50R
EPerox P
Ethyl methyl ketone peroxide
Ethylmethylketone peroxide
F 534B
FR 222
Hi-Point 180
Hi-Point 90
Hi-Point PD 1
Jiaying M 90
Kayamek A
Kayamek M
Ketonox
KP 100
Lucidol DDM 9
Lucidol Delta X
Luperox DDM 9
Luperox K 1
Luperox K 12
Luperox K 18
Lupersol DDA 30
Lupersol DDM
Lupersol DDM 9
Lupersol Delta X

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Lupersol Delta X 9
 Lupersol DHD 9
 Lupersol DNF
 Lupersol DSW
 M 50
 M 90
 ME 50L
 MEK peroxide
 MEKP 9
 MEKP 925H
 MEKP-LA 3
 MEKP-M 60
 MEKP-NA 1
 MEKP-NR 20
 MEKP-WA 50
 MEKPO
 Mepox
 Mepox 55
 Mepoxe
 Methyl ethyl ketone hydroperoxide
 Metox 50
 Norox 925H
 Norox KP 925H
 Norox MCP 75
 Norox MEKP 925
 Norox MEKP 925H
 Norpol Peroxide 11
 Permec D 45
 Permek G
 Permek H
 Permek N
 Permek S
 Peroxan ME 50L
 Peroxan ME 60L
 Peroximon 41
 Peroximon K 4
 Promox P 211TX
 Superox 46-702
 Superox 46-710
 Superox 46-747
 Trigonox V 328
 Trigonox V 388
 TY-D
 Unicat 1000
 V 328
 V 388

FS AUSTRALIA: AIIC; CANADA: DSL; CHINA: IECSC; EEC: EINECS; EU: REACH;
 Harmonized Tariff Code: HTC; JAPAN: ENCS; KOREA: AREC; MEXICO: INSQ;
 NEW ZEALAND: NZIoC; PHILIPPINES: PICCS; Restricted Chemical Lists:
 RSTR; TAIWAN: TCSI; THAILAND: TDCA; USA: ACGIH, CERCLA, DOT, NIOSH,
 OSHA, RCRA, STATE, TSCA; VIETNAM: VNECI

CBI Public
 UVCB Peroxides
 CFR 29 CFR Part 1910; 40 CFR Part 261; 40 CFR Part 268; 40 CFR Part 302; 49
 CFR Part 172
 SC 29 CFR 1910.119; 40 CFR 268.40; 40 CFR 302.4
 RLN EC No.: 215-661-2; 700-954-4
 EINECS No.: 215-661-2
 ENCS No.: 5-667X
 AREC Serial No.: KE-03883

HTC Harmonized Tariff Code: 290960
 EU Customs Code CN: 29096000

INV On TSCA Inventory
 August 2023 TSCA Inventory
 Commercial Status: Active.
 On IECSC
 Inventory of Existing Chemical Substances in China.

Listed Name(s): 2-Butanone, peroxide; Methyl ethyl ketone peroxide

On DSL

Canada Domestic Substances List (DSL).

On REACH

List of Registered Substances.

2-Butanone, peroxide: <https://echa.europa.eu/substance-information/-/substanceinfo/100.014.238>

Reaction mass of butane-2,2-diyl dihydroperoxide and dioxydibutane-2,2-diyl dihydroperoxide:

<https://echa.europa.eu/substance-information/-/substanceinfo/100.226.907>

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 No. 5-667.

On AIIC

Australian Inventory of Industrial Chemicals

<https://industrialchemicals.gov.au>.

On PICCS

Philippines Inventory of Chemicals and Chemical Substances.

On TCSI

Taiwan Chemical Substance Inventory.

Listed Name(s): 2-Butanone, peroxide

On NZIoC

New Zealand Inventory of Chemicals.

HSNO Approval: HSR001376.

On INSQ

National Inventory of Chemical Substances in Mexico.

On AREC

Korean Act on Registration and Evaluation of Chemicals.

Listed Name(s): 2-Butanone, peroxide

On VNECI

Vietnam Draft National Chemical Inventory.

On TDCA

Thailand Draft Chemicals Act.

Chemical Group: Group CoC (chemicals of concern)

Hazardous Substance Type: 3

Chemical Code: 60-O-CoC

RSTR VIETNAM: Law on Chemicals, Decree 113/2017/ND-CP, List of Chemicals

Subject to Compulsory Declaration

Listed Name(s): Methyl ethyl ketone peroxide

VIETNAM: Law on Chemicals, Decree 113/2017/ND-CP, List of Chemicals

Which Require Developing Plan to Respond and Prevent Chemical Incident

Listed Name(s): Methyl ethyl ketone peroxide (> 60%)

THAILAND: Thailand Hazardous Substance List, Department of Industrial Works

Listed Name(s): methyl ethyl ketone peroxide

Category: Type 3

Registration Number: 239

SOUTH KOREA: AREC Toxic Substances List, 2021

Toxic Chemical No.: 2021-1-1053

Korean TCCL Designation: This substance and mixtures containing more than 25%.

SOUTH KOREA: AREC Substances Requiring Preparation for Accidents List, 2016

Korean CCL Designation: This substance and mixtures containing more than 25%.

SOUTH KOREA: AREC Phase-in Substances Subject to Registration List, 2016

Grace Period: 3 years from the notification date.

JAPAN: Industrial Safety and Health Law (ISHL)

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This substance is defined as a Dangerous Substance, class: Explosive Substance in Appended Table 1 of the Enforcement Order of the Industrial Safety and Health Act.

JAPAN: Industrial Safety and Health Law (ISHL), 2014
Under Article 57-2 of the Law, it is required of the party transferring or providing this substance to include Safety Data Sheets (SDSs).

PAKISTAN: List of Prescribed Hazardous Chemicals, 2003

INDIA: List of Hazardous Chemicals, 2000
Conc. 60%.

FA RN CAS Registry Number
RLN Regulatory List Number
INV Inventory Status
HTC Harmonized Tariff Code
RSTR Restricted Chemical Lists
IUR Inventory Update Rule
CERHS CERCLA Hazardous Substances
LDR RCRA Land Disposal Restrictions
WSP RCRA Waste Specific Prohibitions
HAZT DOT Hazardous Materials Table
NREL NIOSH Recommended Exposure Limits
HHC OSHA Highly Hazardous Chemicals (OSHA)
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
PROP Chemical/Physical Properties
SIDS OECD Screening Information Data Set Project
TLV ACGIH Threshold Limit Values
MISC Miscellaneous Regulations
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 ====

IUR Inventory Update Rule
U.S. EPA Chemical Data Reporting (CDR) 2020,
<https://www.epa.gov/chemical-data-reporting/access-cdr-data#2343..>
This chemical was reported under the Chemical Data Reporting (CDR) for 2020.

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

CERHS CERCLA Hazardous Substances
U.S. EPA Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) List of Hazardous Substances and Reportable Quantities 40 CFR 302.4.

Listed Name(s): Methyl ethyl ketone peroxide
Final RQ: 10 pounds/4.54 kg

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

CERHS CERCLA Hazardous Substances
U.S. EPA Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) List of Hazardous Substances and Reportable Quantities 40 CFR 302.4.

Listed Name(s): 2-Butanone peroxide
Final RQ: 10 pounds/4.54 kg

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

LDR RCRA Land Disposal Restrictions
U.S. EPA, Land Disposal Restrictions, Applicability of Treatment Standards, 40 CFR 268.40.
Listed Name(s): Methyl ethyl ketone peroxide
Waste Code(s): U160

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Waste description and treatment/Regulatory subcategory: Methyl ethyl ketone peroxide

Wastewaters Technology Code(s): CHOXD; CHRED; CARBN; BIODG; or CMBST
 Nonwastewaters Technology Code(s): CHOXD; CHRED; or CMBST

WSP RCRA Waste Specific Prohibitions
 U.S. EPA, Identification and Listing of Hazardous Waste, 40 CFR 261.
 Listed Name(s): 2-Butanone, peroxide
 Primary Hazardous Properties: Reactive Waste; Toxic Waste
 Hazard Waste Code: U160

WSP RCRA Waste Specific Prohibitions
 U.S. EPA, Identification and Listing of Hazardous Waste, 40 CFR 261.
 Listed Name(s): Methyl ethyl ketone peroxide
 Primary Hazardous Properties: Reactive Waste; Toxic Waste
 Hazard Waste Code: U160

WSP RCRA Waste Specific Prohibitions
 U.S. EPA, Identification and Listing of Hazardous Waste, 40 CFR 261.
 Listed Name(s): Methyl ethyl ketone peroxide
 Primary Hazardous Properties: Reactive Waste; Toxic Waste
 Hazard Waste Code: U160

WSP RCRA Waste Specific Prohibitions
 U.S. EPA, Identification and Listing of Hazardous Waste, 40 CFR 261.
 Listed Name(s): 2-Butanone, peroxide
 Primary Hazardous Properties: Reactive Waste; Toxic Waste
 Hazard Waste Code: U160

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

HAZT DOT Hazardous Materials Table
 U.S. Department of Transportation, Pipeline and Hazardous Materials
 Safety Administration, 49 CFR 172.
 Listed Name(s): Methyl ethyl ketone peroxide, in solution with more than
 9 percent by mass active oxygen
 Hazard Class/Division: Forbidden Explosives or Materials

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

NREL NIOSH Recommended Exposure Limits
 DHHS (NIOSH) Publication No. 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
 Occupational Safety and Health Standards, List of Highly Hazardous
 Chemicals, Toxics and Reactives (Mandatory), 29 CFR 1910.119 Appendix A.
 Listed Name(s): Ethyl Methyl Ketone Peroxide (also Methyl Ethyl Ketone
 Peroxide; concentration >60%)
 Listing of toxic and reactive highly hazardous chemicals which present a
 potential for a catastrophic event at or above the threshold quantity
 Threshold Quantity: 5000 lbs

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

HHC Highly Hazardous Chemicals
 Occupational Safety and Health Standards, List of Highly Hazardous
 Chemicals, Toxics and Reactives (Mandatory), 29 CFR 1910.119 Appendix A.
 Listed Name(s): Methyl Ethyl Ketone Peroxide (concentration >60%)
 Listing of toxic and reactive highly hazardous chemicals which present a
 potential for a catastrophic event at or above the threshold quantity
 Threshold Quantity: 5000 lbs

==== Classification, Labeling, and Packaging Regulations ====

EECL European Community Legislation
 Official Journal of the European Union, No L 21 #59:83 (28 Jan 2016).
 Effective date: 17 FEB 2016.
 Commission Implementing Decision (EU) 2016/108 of 27 January 2016 not
 approving 2-Butanone as an existing active substance for use in biocidal
 products for product-types 1 and 2. This substance is classified as an
 active biocidal product regulated via Directive 98/8/EC and Regulation
 (EU) No 528/2012 concerning the placing on the market and use of such
 products. Uses for biocidal product-types 1 and 2 are not approved.

EECL European Community Legislation
 Official Journal of the European Union, No L 291 #53:47 (09 Nov 2010).

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Commission Decision of 08 November 2010 concerning the non-inclusion of certain substances in Annex I, IA or IB to Council Directive 98/8/EC of the European Parliament and of the Council concerning the placing of biocidal products on the market. This substance is not to be included in Annexes I, IA or IB to Directive 98/8/EC with regard to certain product types.

- 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 Substance List
 Ordinance on Installations for Handling Substances Hazardous to Wastewater (AwSV).
 This substance has been designated with a water hazard classification under ordinance on Installations for Handling Substances Hazardous to Wastewater
 Listed Name(s): Methylethylketonperoxid (33 %iges Gemisch mit Phthalsauredimethylester)
 Kenn Number: 1108
 State of Classification: Slight water hazard
 German Water Hazard Classification (WGK) Number: 1.
- ==== Miscellaneous Regulations or Advisory Lists ====
- STOR Storage/Handling/Environment
 Internet: cdc.gov/niosh/ipcs (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
 Internet: cdc.gov/niosh/ipcs (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
 Internet: cdc.gov/niosh/ipcs (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.
- PROP Chemical/Physical Properties
 Internet: cdc.gov/niosh/ipcs (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 Internet: oecd.org/chemicalsafety (Feb 2002).
 The Screening Information Data Set (SIDS) program operated under the

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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)

MISC Miscellaneous Regulations
Chem. 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 ====

MASS Massachusetts Right-to-Know
Massachusetts Substance List for Right-to-Know Law..
Listed Name(s): 2-Butanone peroxide; Methyl ethyl ketone peroxide.

SMN Minnesota Right-to-Know
Minnesota's Toxic Free Kids Act Chemicals of High Concern, Minnesota Department of Health, <https://www.health.state.mn.us/>.
Listed Name(s): Methyl ethyl ketone peroxide.

SMN Minnesota Right-to-Know
Minnesota's List of Hazardous Substances, Minnesota Department of Labor and Industry, <https://www.dli.mn.gov>.
Listed name(s): methyl ethyl ketone peroxide
Hazard code(s): A0.

SNJ New Jersey Right-to-Know
New Jersey Right to Know Hazardous Substance List, New Jersey Department of Health.
Listed Name(s): 2-Butanone, Peroxide; Methyl Ethyl Ketone Peroxide
Special Health Hazard(s): Reactive - 4th degree

SNY New York Hazardous Substances Release and Bulk Storage
Hazardous Substances Identification, Release Prohibition, And Release Reporting, New York Department of Environmental Conservation.
Listed Name(s): 2-Butanone peroxide; Methyl ethyl ketone peroxide
RQ Air (pounds): 10
RQ Land/Water (pounds): 1
Notes: Acutely Hazardous Substance

SPA Pennsylvania Right-to-Know
Pennsylvania Department of Labor and Industry Hazardous Substance List.
Listed Name(s): 2-BUTANONE, PEROXIDE
Special Health Hazard Code(s): (E) Environmental Hazard

SRI State of Rhode Island Right-to-Know
Rhode Island Hazardous Substance List..
Listed name(s): Ethyl methyl ketone peroxide

SRI State of Rhode Island Right-to-Know
Rhode Island Hazardous Substance List..
Listed name(s): Methyl ethyl ketone peroxide

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