Safety Data Sheet

23 Mix organochlorine in n-hexane/acetone

Version: V2.0.0.1

Report No.: BWN5893-2016-MSDS-US

Creation Date: 2025/10/29

Revision Date: -



*Prepared according to American OSHA HCS-2024 (29 CFR 1910.1200)

1	Identification
	Tuerillicalion

| Product identifier

Product Name	23 Mix organochlorine in n-hexane/acetone
Cat No.	BWN5893-2016
CAS No.	Not applicable
EC No.	Not applicable
Molecular Formula	Not applicable

Recommended use of the product and restrictions on use

Relevant identified uses	Please consult manufacturer.
Uses advised against	Please consult manufacturer.

Details of the supplier of the Safety Data Sheet

Name of the company	Weiyel Inc
Address of the company	Hedian Light Industrial Park, Chengguan Town, Shangcheng County, Xinyang City, Henan Province, China
Post code	465350
Telephone number	010-58103678
Fax number	010-84840368
E-mail address	info@weiyel.com

| Emergency phone number

Emergency phone number	010-58103678

2 Hazard(s) identification

Hazard classification according to 29 CFR 1910.1200

Flammable liquids	Category 2
Aspiration hazard	Category 1
Skin Corrosion/Irritation	Category 2
Serious eye damage/irritation	Category 2
Specific target organ toxicity -	Category 3
single exposure; narcotic	
effects	
Reproductive toxicity	Category 2
Specific target organ toxicity -	Category 1
repeated exposure	

Label elements



Signal word

Hazard statements

H225	Highly flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
H361	Suspected of damaging fertility. Suspected of damaging the unborn child
H372	Causes damage to organs through prolonged or repeated exposure(oral, nervous system, central nervous system, liver, gastrointestinal system, kidneys, adrenals)

| Precautionary statements

Prevention

P201	Obtain special instructions before use.		
P202	Do not handle until all safety precautions have been read and understood.		
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.		
P233	Keep container tightly closed.		
P240	Ground and bond container and receiving equipment.		
P241	Use explosion-proof [electrical/ventilating/lighting] equipment.		
P242	Use non-sparking tools.		
P243	Take action to prevent static discharges.		
P260	Do not breathe gas/mist/vapour/spray.		
P264	Wash hands and other parts of the body (if related) thoroughly after handling.		
P270	Do not eat, drink or smoke when using this product.		
P271	Use only outdoors or with adequate ventilation.		
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.		

◆ Response		
P321	Specific treatment (see related instructions on the label).	
P331	Do NOT induce vomiting.	
P302+P352	IF ON SKIN: Wash with plenty of water.	
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.	
P362+P364 Take off contaminated clothing and wash it before reuse.		
P370+P378	Small fire: dry chemical, CO ₂ or alcohol-resistant foam; Large fire: alcohol-resistant foam; Fire involving tanks, rail tank cars or highway tanks: Fight fire from maximum distance or use unmanned master stream devices or monitor nozzles. Cool containers with flooding quantities of water until well after fire is out.	
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated cloth affected areas with water [or shower].		

P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact
	lenses, if present and easy to do. Continue rinsing.
Storage	
P405	Store locked up.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
◆ Disposal	
P501	Dispose of contents/container in accordance with local/regional/national/
	international regulations.

| Hazard description

Physical and chemical hazards

Highly flammable liquids, its vapor and air mixture can form explosive mixture.

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Health hazards

Inhaled	Inhaled Sore throat. Cough. Confusion. Headache. Dizziness. Drowsiness.		
	Unconsciousness.		
Ingestion	Nausea. Vomiting. (Further see Inhalation).		
Skin Contact	Dry skin.		
Eye	Eye Redness. Pain. Blurred vision. Possible corneal damage.		
Environmental hazards			

Please refer to 12th chapter of SDS.

3 Composition/information on ingredients

| Substance/mixture

Mixture

Not applicable.

Component	CAS No.	EC No.	Concentration (wt, %)
N-hexane	110-54-3	203-777-6	45.3213
Acetone	67-64-1	200-662-2	54.3613
(1α,2α,3β,4α,5β,6β)-1,2,3,4 ,5,6-hexachlorocyclohexa ne	319-84-6	206-270-8	0.0138
Hexachlorobenzene	118-74-1	204-273-9	0.0138
Lindane	58-89-9	200-401-2	0.0138
(1α,2β,3α,4β,5α,6β)-1,2,3,4 ,5,6-hexachlorocyclohexa ne	319-85-7	206-271-3	0.0138
δ-Hexachlorocyclohexane	319-86-8	206-272-9	0.0138
alpha-Endosulfan	959-98-8	625-034-9	0.0138
β-Endosulfan	33213-65-9	625-635-6	0.0138
Aldrin	309-00-2	206-215-8	0.0138

Heptachlor epoxide	1024-57-3	213-831-0	0.0138
першотог срожие	1024 07 0	210 001 0	0.0100
Heptachlor endo-epoxide	28044-83-9	634-785-1	0.0138
isomer			
2,2,o,p'-tetrachlorovinylid	3424-82-6	222-318-0	0.0138
enebisbenzene			
trans-Chlordan	5103-74-2	225-826-0	0.0138
cis-Chlordane	5103-71-9	225-825-5	0.0138
trans-Nonachlor	39765-80-5	-	0.0138
2,2-bis(p-chlorophenyl)-1,	72-55-9	200-784-6	0.0138
1-dichloroethylene			
Mitotane	53-19-0	200-166-6	0.0138
Dieldrin	60-57-1	200-484-5	0.0138
Endrin	72-20-8	200-775-7	0.0138
o,p'-DDT	789-02-6	212-332-5	0.0138
TDE	72-54-8	200-783-0	0.0138
cis-Nonachlor	5103-73-1	-	0.0138
Clofenotane	50-29-3	200-024-3	0.0138
Dodecachloropentacyclo[5.2.1.02,6.03,9.05,8]decan e	2385-85-5	219-196-6	0.0138

4 First-aid measures

Description of first aid measures

General advice	Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.
Eye contact	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
Skin contact	Remove contaminated clothes. Rinse and then wash skin with water and soap.
Ingestion	Rinse mouth. Refer for medical attention.
Inhalation	Fresh air, rest. Refer for medical attention.
Protecting of first-aiders	Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

Most important symptoms/effects, acute and delayed

Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.

Indication of any immediate medical attention and special treatment needed

- 1 Treat symptomatically.
- 2 Symptoms may be delayed.

5 Fire-fighting measures

| Extinguishing media

Suitable extinguishing media	Small fire: dry chemical, CO ₂ or alcohol-resistant foam; Large fire:
	alcohol-resistant foam; Fire involving tanks, rail tank cars or highway tanks: Fight
	fire from maximum distance or use unmanned master stream devices or monitor
	nozzles. Cool containers with flooding quantities of water until well after fire is out.

9

10

Keep leaks in a ventilated place.

Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a spill by

	bunding.
11	Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.
12	Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in
	container.
13	Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

7 Handling and storage

| Precautions for safe handling

1	Avoid inhalation of vapors.
2	Use only non-sparking tools.
3	To prevent fire caused by electrostatic discharge steam, equipment on all metal parts should be grounded.
4	Use explosion proof equipment.
5	Handling is performed in a well ventilated place.
6	Wear suitable protective equipment.
7	Avoid contact with skin and eyes.
8	Keep away from heat/sparks/open flames/ hot surfaces.

Conditions for safe storage, including any incompatibilities

1	Keep containers tightly closed.
2	Keep containers in a dry, cool and well-ventilated place.
3	Keep away from heat/sparks/open flames/hot surfaces.
4	Store away from incompatible materials and foodstuff containers.

8 Exposure controls/personal protection

| Control parameters

Occupational exposure limit values

Component	Country/Region	Limit value - Eight hours		Limit value - Short term	
		ppm	mg/m³	ppm	mg/m³
N-hexane	Japan - JSOH(2024–202 5)	40	140	-	-
	Permissible exposure standards for workers in the workplace	50	176	75	220
	Australia	20	72	-	-
	Canada - Ontario	50	-	-	-
	European Union	20	72	-	-
	New Zealand	20	72	-	-
Acetone	Japan - JSOH(2024–202 5)	200	475	-	-
	Permissible exposure standards for workers in the	200	475	250	593.75

	Belgium	-	0.05	_	_
				_	-
	Canada - Québec	-	0.05	-	-
	Ireland	-	0.05	-	-
	South Korea	-	0.05	-	-
Dieldrin	Permissible exposure standards for workers in the workplace	-	-	-	-
	Australia	-	0.25	-	-
	Canada - Ontario	-	0.1	-	-
	USA - ACGIH	-	0.1(inhalable fraction and vapor)	-	-
	USA - NIOSH	-	0.25	-	-
	USA - OSHA	-	0.25	-	-
Endrin	Permissible exposure standards for workers in the workplace	-	-	-	-
	Australia	-	0.1	-	-
	Canada - Ontario	-	0.1	-	-
	USA - ACGIH	-	0.1	-	-
	USA - NIOSH	-	0.1	-	-
	USA - OSHA	-	0.1	-	-
Clofenotane	Australia	-	1	-	-
	Canada - Ontario	-	1	-	-
	USA - ACGIH	-	1	-	-
	USA - NIOSH	-	0.5	-	-
	USA - OSHA	-	1	-	-
	Austria	-	1(inhalable aerosol)	-	10(inhalable aerosol)

| Engineering controls

- 1 Ensure adequate ventilation, especially in confined areas.
- 2 Ensure that eyewash stations and safety showers are close to the workstation location.
- 3 Use explosion-proof electrical/ventilating/lighting/equipment.
- 4 Set up emergency exit and necessary risk-elimination area.

| Personal protection equipment

General requirement











Eye protection

Must wear appropriate safety goggles.

Hand protection	Must wear anti static chemical protective gloves.
Respiratory protection	Must wear appropriate personal respiratory protective equipment.
Skin and body protection	Must wear anti static chemical protective clothing and anti static shoes.

9 Physical and chemical properties and safety characteristics

| Physical and chemical properties

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Appearance (physical state, color, etc.)	bright yellow to pale yellow transparent liquid
Odor	No information available
Odor threshold	No information available
рН	No information available
Melting point/freezing point(°C)	-95 (Acetone)
Initial boiling point and boiling range(°C)	56 (Acetone)
Flash point(Closed cup,°C)	-18 (Acetone)
Evaporation rate	No information available
Flammability	No information available
Upper/lower explosive limits[%(v/v)]	Upper limit: 13 (Acetone); Lower limit: 2.2 (Acetone)
Vapor pressure	24kPa (20°C,Acetone)
Vapor density(Air = 1)	2.0 (Acetone)
Relative density(Water=1)	0.8 (Acetone)
Solubility	Miscible with water (Acetone)
n-octanol/water partition coefficient	-0.24 (Acetone)
Auto-ignition temperature(°C)	465 (Acetone)
Decomposition temperature(°C)	No information available
Kinematic viscosity	No information available

10 Stability and reactivity

| Stability and reactivity

Reactivity	Contact with incompatible substances can cause decomposition or other chemical reactions.
Chemical stability	Stable under proper operation and storage conditions.
Possibility of hazardous	In contact with an open flame may cause a fire or explosion. In contact with
reactions	oxidants may cause a fire or an explosion.
Conditions to avoid	Incompatible materials, heat, flame and spark.
Incompatible materials	Oxidantss and halogen. Oxidants, chloroform and bromoform
Hazardous decomposition	Under normal conditions of storage and use, hazardous decomposition products
products	should not be produced.

11 Toxicological information

| Acute toxicity

Component	LD ₅₀ (oral)	LD ₅₀ (dermal)	LC ₅₀ (inhalation,4h)

| Carcinogenicity

1-dichloroethylene

Component	List of carcinogens by the IARC Monographs	Report on Carcinogens by NTP	OSHA Carcinogen List
N-hexane	Not Listed	Not Listed	Not Listed
Acetone	Not Listed	Not Listed	Not Listed
(1α,2α,3β,4α,5β,6β)-1,2,3,4 ,5,6-hexachlorocyclohexa ne	Not Listed	Category R	Not Listed
Hexachlorobenzene	Category 2B	Category R	Not Listed
Lindane	Category 1	Category R	Not Listed
(1α,2β,3α,4β,5α,6β)-1,2,3,4 ,5,6-hexachlorocyclohexa ne	Not Listed	Category R	Not Listed
δ-Hexachlorocyclohexane	Not Listed	Category R	Not Listed

alpha-Endosulfan	Not Listed	Not Listed	Not Listed
β-Endosulfan	Not Listed	Not Listed	Not Listed
Aldrin	Category 2A	Not Listed	Not Listed
Heptachlor epoxide	Not Listed	Not Listed	Not Listed
Heptachlor endo-epoxide isomer	Not Listed	Not Listed	Not Listed
2,2,o,p'-tetrachlorovinylid enebisbenzene	Not Listed	Not Listed	Not Listed
trans-Chlordan	Not Listed	Not Listed	Not Listed
cis-Chlordane	Not Listed	Not Listed	Not Listed
trans-Nonachlor	Not Listed	Not Listed	Not Listed
2,2-bis(p-chlorophenyl)-1, 1-dichloroethylene	Not Listed	Not Listed	Not Listed
Mitotane	Not Listed	Not Listed	Not Listed
Dieldrin	Category 2A(Remark 1)	Not Listed	Not Listed
Endrin	Category 3	Not Listed	Not Listed
o,p'-DDT	Not Listed	Not Listed	Not Listed
TDE	Not Listed	Not Listed	Not Listed
cis-Nonachlor	Not Listed	Not Listed	Not Listed
Clofenotane	Category 2A	Category R	Not Listed
Dodecachloropentacyclo[5.2.1.02,6.03,9.05,8]decan e	Category 2B	Category R	Not Listed

Remark 1: see aldrin metabolized to dieldrin

Others

Chicis		
23 Mix organochlorine in n-hexane/acetone		
Skin corrosion/irritation Causes skin irritation(Category 2)		
Serious eye damage/irritation Causes serious eye irritation(Category 2)		
Skin sensitization	Based on available data, the classification criteria are not met	
Respiratory sensitization	Based on available data, the classification criteria are not met	
Reproductive toxicity	Suspected of damaging fertility. Suspected of damaging the unborn child(Category 2)	
STOT-single exposure	May cause drowsiness or dizziness(Category 3)	
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure(oral, nervous system, central nervous system, liver, gastrointestinal system, kidneys, adrenals)(Category 1)	
Aspiration hazard	May be fatal if swallowed and enters airways(Category 1)	
Germ cell mutagenicity	Based on available data, the classification criteria are not met	

12 Ecological information

| Acute aquatic toxicity

Component	Fish	Crustaceans	Algae or other aquatic
			plants

Endrin	LC ₅₀ : 0.000505mg/L	EC ₅₀ : 0.02mg/L	No information available
	(96h)(Fish)	(48h)(Crustaceans)	
(1α,2α,3β,4α,5β,6β)-1,2,3,4	LC ₅₀ : 1.5mg/L (96h)(Fish)	EC ₅₀ : 0.9mg/L	No information available
,5,6-hexachlorocyclohexa		(48h)(Crustaceans)	
ne			
Heptachlor epoxide	LC ₅₀ : 0.0126mg/L	No information available	No information available
	(96h)(Fish)		
Lindane	LC ₅₀ : 0.0714mg/L	EC ₅₀ : 0.58mg/L	ErC ₅₀ : 1.62mg/L
	(96h)(Fish)	(48h)(Crustaceans)	(96h)(Algae)
Acetone	LC ₅₀ : 5540mg/L	EC ₅₀ : 18500mg/L	ErC ₅₀ : 7200mg/L
	(96h)(Fish)	(48h)(Crustaceans)	(96h)(Algae)
Dieldrin	LC ₅₀ : 0.008mg/L	EC ₅₀ : 0.19mg/L	No information available
	(96h)(Fish)	(48h)(Crustaceans)	
N-hexane	LC ₅₀ : 57.8mg/L	No information available	No information available
	(96h)(Fish)		
Dodecachloropentacyclo[LC ₅₀ :124mg/L (96h)(Fish)	EC ₅₀ : 1.58mg/L	No information available
5.2.1.02,6.03,9.05,8]decan		(48h)(Crustaceans)	
e			
TDE	LC ₅₀ : 0.056mg/L	EC ₅₀ : 0.0052mg/L	No information available
	(96h)(Fish)	(48h)(Crustaceans)	
Hexachlorobenzene	LC ₅₀ : 7.6mg/L (96h)(Fish)	No information available	No information available
δ-Hexachlorocyclohexane	LC ₅₀ : 1.21mg/L (96h)(Fish)	No information available	No information available
Clofenotane	LC ₅₀ : 0.008mg/L	EC ₅₀ : 0.0011mg/L	No information available
	(96h)(Fish)	(48h)(Crustaceans)	
Aldrin	LC ₅₀ : 0.012mg/L	EC ₅₀ : 0.02mg/L	No information available
	(96h)(Fish)	(48h)(Crustaceans)	
2,2-bis(p-chlorophenyl)-1,	LC ₅₀ : 0.096mg/L	EC ₅₀ : 0.02mg/L	No information available
1-dichloroethylene	(96h)(Fish)	(48h)(Crustaceans)	
(1α,2β,3α,4β,5α,6β)-1,2,3,4	LC ₅₀ : 1.52mg/L	No information available	No information available
,5,6-hexachlorocyclohexa	(96h)(Fish)		
-			I .

| Chronic aquatic toxicity

Chronic aquatic toxicity No information available

| Persistence and degradability

Component	Persistence (water/soil)	Persistence (air)
N-hexane	Low	Low
(1α,2α,3β,4α,5β,6β)-1,2,3,4 ,5,6-hexachlorocyclohexa ne	High(Half-life = 270 days)	Low(Half-life = 3.85 days)
Hexachlorobenzene	High(Half-life = 4178 days)	High(Half-life = 1563.75 days)
Lindane	High(Half-life = 240.21 days)	Low(Half-life = 3.85 days)
(1α,2β,3α,4β,5α,6β)-1,2,3,4 ,5,6-hexachlorocyclohexa ne	High(Half-life = 248 days)	Low(Half-life = 3.85 days)
δ-Hexachlorocyclohexane	High(Half-life = 200 days)	Low(Half-life = 3.85 days)
Aldrin	High(Half-life = 1183.33 days)	Low(Half-life = 0.38 days)

2,2,o,p'-tetrachlorovinylid enebisbenzene	High	High
2,2-bis(p-chlorophenyl)-1, 1-dichloroethylene	High(Half-life = 11250 days)	Low(Half-life = 1.7 days)
Dieldrin	High(Half-life = 2160 days)	Low(Half-life = 1.69 days)
Endrin	High	High
TDE	High(Half-life = 11250 days)	Low(Half-life = 5.54 days)
Clofenotane	High(Half-life = 11250 days)	Low(Half-life = 7.38 days)
Dodecachloropentacyclo[5.2.1.02,6.03,9.05,8]decan e	High	High

| Bioaccumulative potential

Component	Bioaccumulative potential	Comments
N-hexane	Medium	Log Kow=3.9
(1α,2α,3β,4α,5β,6β)-1,2,3,4 ,5,6-hexachlorocyclohexa ne	Medium	Log Kow=3.8
Hexachlorobenzene	High	BCF=575440
Lindane	Medium	BCF=1400
(1α,2β,3α,4β,5α,6β)-1,2,3,4 ,5,6-hexachlorocyclohexa ne	Medium	Log Kow=3.8
δ-Hexachlorocyclohexane	Medium	Log Kow=4.14
Aldrin	High	BCF=20000
2,2,o,p'-tetrachlorovinylid enebisbenzene	High	Log Kow=5.9956
2,2-bis(p-chlorophenyl)-1, 1-dichloroethylene	High	Log Kow=6.51
Dieldrin	High	BCF=14500
Endrin	High	BCF=12600
TDE	High	Log Kow=6.02
Clofenotane	High	BCF=4020
Dodecachloropentacyclo[5.2.1.02,6.03,9.05,8]decan e	Low	Log Kow=7.18

| Mobility in soil

Component	log Koc	Remark
N-hexane	≥2.37 - ≤3.16	20 °C , pH=7.0
(1α,2α,3β,4α,5β,6β)-1,2,3,4 ,5,6-hexachlorocyclohexa ne	3.529	
Hexachlorobenzene	3.529	

Lindane	3.529	
(1α,2β,3α,4β,5α,6β)-1,2,3,4	3.529	
,5,6-hexachlorocyclohexa		
ne		
δ-Hexachlorocyclohexane	3.529	
Aldrin	5.024	
2,2,o,p'-tetrachlorovinylid	5.192	
enebisbenzene		
2,2-bis(p-chlorophenyl)-1,	5.183	
1-dichloroethylene		
Dieldrin	4.025	
Endrin	4.025	
TDE	5.183	
Clofenotane	5.343	
Dodecachloropentacyclo[5.675	
5.2.1.02,6.03,9.05,8]decan		
е		

13 Disposal considerations

| Disposal considerations

Waste chemicals	Before disposal should refer to the relevant national and local laws and	
	regulation. Recommend the use of incineration disposal.	
Contaminated packaging	Containers may still present chemical hazard when empty. Keep away from h	
	and ignition source of fire. Return to supplier for recycling if possible.	
Disposal recommendations Refer to section waste chemicals and contaminated packaging.		

14 Transport information

| Label and Mark

Transporting Label



| IMDG-CODE

UN number	1993
UN proper shipping name	FLAMMABLE LIQUID, N.O.S.
Transport hazard class	3
Transport subsidiary hazard	None
class	
Packing group	п
Marine pollutant (Yes or no)	No

IATA-DGR

UN number	1993
UN proper shipping name	FLAMMABLE LIQUID, N.O.S.

Transport hazard class	3
Transport subsidiary hazard	None
class	
Packing group	п

UN-ADR

UN number	1993
UN proper shipping name	FLAMMABLE LIQUID, N.O.S.
Transport hazard class	3
Transport subsidiary hazard	None
class	
Packing group	п

Transport in bulk according to IMO instruments

◆ Transport in bulk according to Annex II of MARPOL and the IBC code

Not Available

◆ Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

Not Available

Transport in bulk in accordance with the IGC Code

Not Available

Others

Precautions for transport

Shipment of the goods vehicle exhaust pipe must be equipped with fire retardant devices, prohibit using mechanical equipment and tools of which easy to produce sparks. Transit should be anti-exposure, anti-rain, anti-high temperature. Transportation used tank (tank) cars should be grounded chain, tank can be installed to reduce the partition hole static electricity shocks. Strictly prohibited shipping or transportation with oxidants, acids, food and food additives etc. When bulk transport, Prohibit the use of cement or wooden boats. Transport vehicles should be equipped with the appropriate variety and quantity of fire equipment and emergency equipment leakage during transport. Before transport, should be preceded by checking whether container integrity, sealing. The transport unit must be placarded and marked in accordance with relevant transporting requirements.

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15 Regulatory information

| International chemical inventory

Component	Α	В	С	D	E	F	G	Н	I	J	K	L	M
N-hexane	√	√	√	√	√	√	√	√	√	√	√	√	√
Acetone	√	√	√	√	√	√	√	√	√	√	√	√	√
(1α,2α,3β,4α,5β,6β)-1,2,3,4 ,5,6-hexachlorocyclohexa ne	×	√	1	×	×	×	×	×	√	×	×	V	1
Hexachlorobenzene	√	√	√	√	×	√	×	√	√	√	√	√	√
Lindane	√	1	√	√	×	√	√	×	√	×	√	√	√
(1α,2β,3α,4β,5α,6β)-1,2,3,4 ,5,6-hexachlorocyclohexa ne	√	√	√	×	×	×	×	×	√	×	×	V	٧

- [A] China Inventory of Existing Chemical Substances(IECSC)
- [B] European Inventory of Existing Commercial Chemical Substances(EC inventory)
- [C] United States Toxic Substances Control Act Inventory(TSCA)
- [D] Canadian Domestic Substances List(DSL)

е

- [E] New Zealand Inventory of Chemicals(NZloC)
- [F] Philippines Inventory of Chemicals and Chemical Substances(PICCS)
- **[G]** Korea Existing Chemicals Inventory(KECL)
- [H] Australian. Inventory of Industrial Chemical (AIICS)
- [1] Japan Inventory of Existing & New Chemical Substances(ENCS)
- [J] Thailand Existing Chemicals Inventory(TECI)
- [K] Mexico National Inventory of Chemical Substances (INSQ)
- [L] Russia Inventory of Existing Substances (DRAFT)
- [M] Inventory of Existing Chemical Substances in Taiwan, China (TCSI)

List of Chemical Substances under International Conventions

Component	Α	В	С
N-hexane	×	×	×
Acetone	×	×	×
(1α,2α,3β,4α,5β,6β)-1,2,3, 4,5,6-hexachlorocyclohex ane	×	V	×
Hexachlorobenzene	×	V	V
Lindane	×	V	V

- [A] The Montreal Protocol on Substances that Deplete the Ozone Layer
- [B] Stockholm Convention on Persistent Organic Pollutants (POPs)
- [C] Rotterdam Convention on the prior informed consent procedure for certain hazardous chemicals and pesticides in international trade

US chemical inventory

Component	Α	В	С	D	E	F	G	Н
N-hexane	$\sqrt{}$	×	√	√	√	√	√	√
Acetone	×	×	√	√	√	√	√	×
(1α,2α,3β,4α,5β,6β)-1,2,3, 4,5,6-hexachlorocyclohe xane	×	×	V	√	√	V	V	×
Hexachlorobenzene	$\sqrt{}$	×	√	√	√	√	√	√
Lindane	V	√	√	√	√	√	√	×
(1α,2β,3α,4β,5α,6β)-1,2,3, 4,5,6-hexachlorocyclohe xane	×	×	V	√	√	V	V	×
δ-Hexachlorocyclohexan e	×	×	√	V	√	1	√	×
alpha-Endosulfan	×	×	V	√	×	√	√	×

β-Endosulfan	×	×	√	√	×	√	√ √	×
Aldrin	×	√	√	√	√	√	√	√
Heptachlor epoxide	×	×	√	√	√	√	√	√
Heptachlor endo-epoxide isomer	×	×	×	×	×	×	×	×
2,2,o,p'-tetrachlorovinyli denebisbenzene	×	×	×	×	×	×	×	×
trans-Chlordan	×	×	√	×	×	×	×	×
cis-Chlordane	×	×	√	×	×	×	×	×
trans-Nonachlor	×	×	×	×	×	×	×	×
2,2-bis(p-chlorophenyl)- 1,1-dichloroethylene	×	×	V	V	V	V	V	V
Mitotane	×	×	×	×	×	×	×	×
Dieldrin	×	×	√	√	√	√	√	√
Endrin	×	V	√	√	V	√	√	√
o,p'-DDT	×	×	×	×	×	×	×	√
TDE	×	×	V	√	V	√	√	√
cis-Nonachlor	×	×	×	×	×	×	×	×
Clofenotane	×	×	√	√	√	√	√ √	√ √
Dodecachloropentacyclo [5.2.1.02,6.03,9.05,8]deca ne	×	×	×	√	V	V	V	V

- [A] US Clean Air Act (CAA)- Section 112, Hazardous Air Pollutants
- [B] US SARA 302- Extremely Hazardous Substance List
- [C] US CERCLA- Hazardous Substances List
- [D] US Massachusetts Right-to-Know Substance List
- [E] US New Jersey Right to Know Hazardous Substance List
- [F] US Pennsylvania Right to Know Hazardous Substance List
- [G] US New York City Right-to-Know Hazardous Substance List
- [H] US California Proposition 65 List

Note:

- " $\sqrt{}$ " Indicates that the substance included in the regulations.
- "x" No data or not included in the regulations.

16 Other information

Information on revision

Creation Date	2025/10/29
Revision Date	-
Reason for revision	-

Reference

- [1] IPCS: The International Chemical Safety Cards (ICSC), website: http://www.ilo.org/dyn/icsc/showcard.home.
- [2] IARC, website: http://www.iarc.fr/.
- [3] OECD: The Global Portal to Information on Chemical Substances, website: https://www.echemportal.org/echemportal/.
- [4] CAMEO Chemicals, website: http://cameochemicals.noaa.gov/search/simple.
- [5] NLM: ChemIDplus, website: http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp.
- [6] EPA: Integrated Risk Information System, website: http://cfpub.epa.gov/iris/.
- [7] U.S. Department of Transportation: ERG, website: http://www.phmsa.dot.gov/hazmat/library/erg.

[8] Germany GESTIS-database on hazard substance, website: http://gestis-en.itrust.de/.

Abbreviations and acronyms

CAS	Chemical Abstracts Service	UN	The United Nations
PC-STEL	Short term exposure limit	OECD	Organization for Economic Co-operation and Development
PC-TWA	Time Weighted Average	IMDG- CODE	International Maritime Dangerous Goods CODE
MAC	Maximum Allowable Concentration	IARC	International Agency for Research on Cancer
DNEL	Derived No Effect Level	ICAO	International Civil Aviation Organization
PNEC	Predicted No Effect Concentration	IATA	International Air Transportation Association
NOEC	No Observed Effect Concentration	ACGIH	American Conference of Governmental Industrial Hygienists
LC ₅₀	Lethal Concentration 50%	NFPA	National Fire Protection Association
LD_{50}	Lethal Dose 50%	NTP	National Toxicology Program
EC ₅₀	Effective Concentration 50%	PBT	Persistent, Bioaccumulative, Toxic
EC_X	Effective Concentration X%	vPvB	very Persistent, very Bioaccumulative
Pow	Partition coefficient Octanol: Water	CMR	Carcinogens, mutagens or substances toxic to reproduction
BCF	Bioconcentration factor	RPE	RespiratoryProtective Equipment
ED	Endocrine disruptor	HCS	Hazard Communication Standard

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Disclaimer

This Safety Data Sheet (SDS) was prepared according to OSHA HCS-2024. The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.