

MSDS

in accordance with Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 (REACH), Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 and Comission Regulation (EU) No 2020/878 of 18 June 2020

Fragrance Jasmine Egyptian CFB 12584

No. EN 6	: 02.07.2025
	: 08.07.2025
	E/MIXTURE AND OF THE COMPANY/UNDERTAKING:
1.1.Product identifier:	
MIXTURE IDENTIFICATION:	
Product name	Fragrance Jasmine Egyptian CFB 12584
Product number	12584
UFI Code	K29N-N027-7006-JV1D
1.2. RELEVANT IDENTIFIED USES OF THAGAINST:	IE SUBSTANCE OR MIXTURE AND USES ADVISED
RECOMMENDED USE:	Aromatic ingredient for household chemicals and cosmetics. Manufacturing use only, not for direct consumption as such.
USES ADVISED AGAINST:	Do not use in food.
1.3. DETAILS OF THE SUPPLIER OF THI	E SAFETY DATA SHEET:
COMPETENT PERSON RESPONSIBLE FOR THE MATERIAL SAFETY DATA SHEET:	Forbury Supplies Ltd
ADDRESS OF THE SUPPLIER:	22 Frieth Close, Earley, Reading, England, RG6 5UY
TELEPHONE NUMBER OF THE SUPPLIER:	+447786555361
E-MAIL:	forburysupplies@gmail.com
1.4. EMERGENCY CONTACTS:	
IN CASE OF INTOXINCATION:	
	UNITED KINGDOM - National Poisons Information Service (24 h service), phone: +44 (0) 844-892-0111 (UK only); FOR OTHER EU COUNTRIES, please consult: http://cebe.gurene.gu/belp/petiapalbalp_centert_en.gen"
SECTION 2 - HAZARDS IDENTIFICAT	http://echa.europa.eu/help/nationalhelp_contact_en.asp"
2.1 CLASSIEICATION OF THE SUBSTAN	

2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE Classification according to regulation (EC). No 1272/2008 (CLP)

Classification according to re	gulation (EC) No	1272/2008 (CLP)
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Product definition	Mixture
H412	Aquatic Chronic 3
H317	Skin Sens. 1
H315	Skin Irrit. 2
H332	Acute Tox. 4

2.2. LABEL ELEMENTS

Labelling according to Regulation (EC) (CLP)

Hazard pictograms:



Signal word Hazard statements

Warning

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H412	Harmful to aquatic life with long lasting effects.
H317	May cause an allergic skin reaction.
H315	Causes skin irritation.
H332	Harmful if inhaled.
Precautionary stateme	ents (Prevention and Intervention)
P273	Avoid release to the environment.
P261	Avoid breathing dust/fumes/gas/mist/vapours/spray. [As modified by IV ATP]
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection. [As modified by IV ATP]
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

3.1 SUBSTANCES:

Mixture of natural, nature identical and synthetic aromatic products.

- 3.2 MIXTURES:
- Mixture of natural and synthetic aromatic ingredients.
- 3.2 Hazardous components:

INGREDIENTS	%	CAS No. / EC No. Index No. / REACH No.	Classification REGULATION (EC) No 1272/2008
Propylene Glycol (IUPAC: PROPANE-1,2-DIOL)	<22%	CAS No. 57-55-6 EC No. 200-338-0 Index No. REACH No.01-2119456809-23-xxxx	
Benzyl Acetate (IUPAC: BENZYL ACETATE)	<19,2%	CAS No. 140-11-4 EC No. 205-399-7 Index No. REACH No.01-2119638272-42-xxxx	Aquatic Chronic 3 :H412
Tetrahydrolinalool (IUPAC: 3,7-DIMETHYLOCTAN-3-O L)	<2,64%	CAS No. 78-69-3 EC No. 201-133-9 Index No. REACH No.01-2119454788-21-xxxx	Skin Sens. 1B:H317 Skin Irrit. 2:H315 Eye Irrit. 2:H319
Geranyl Acetate (IUPAC: (2E)-3,7-DIMETHYLOCTA-2 ,6-DIEN-1-YL ACETATE)	<1,92%	CAS No. 105-87-3 EC No. 203-341-5 Index No. REACH No.01-2119973480-35-xxxx	Skin Sens. 1:H317 Skin Irrit. 2:H315 Aquatic Chronic 3 :H412
Dihydroeugenol (IUPAC: 2-METHOXY-4-PROPYLPH ENOL)	<0,72%	CAS No. 2785-87-7 EC No. 220-499-0 Index No. REACH No.01-2120223684-57-xxxx	Skin Sens. 1B:H317 Skin Irrit. 2:H315 STOT SE 3 (H335):H335 Eye Dam. 1 :H318
Hexyl Cinnamic Aldehyde Alpha (IUPAC: (2E)-2-(PHENYLMETHYLID ENE)OCTANAL)	<0,62%	CAS No. 101-86-0 165184-98-5 EC No. 202-983-3 Index No. REACH No.01-2119533092-50-xxxx	Aquatic Chronic 2:H411 Skin Sens. 1:H317 Aquatic Acute 1:H400 M=1 M Chr=1

SECTION 4 - FIRST-AID MEASURES

Inhalation	Move affected person to fresh air at once. Get medical attention if any discomfort continues
Ingestion	Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention immediately.
Skin contact	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

40 hrs	General information	N 6 Fragrance Jasmine Egyptian CFB 12584 Printed 08-07-2025 Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. See Section 11 for additional information on health hazards.
4.3. INC	-	lical attention and special treatment needed
	Notes for the doctor No specific	
	recommendations.	
SECTION	ON 5 - FIRE-FIGHTING MEASU	RES
	5.1 Extinguishing media:	
	Suitable extinguishing media	Extinguish with the following media: Foam, carbon dioxide or dry powder.
	Unsuitable extinguishing media	Water.
5.2. Sp	ecial hazards arising from the	substance or mixture
	Specific hazards	Toxic gases or vapours
5.3. Ad	vice for firefighters	
	Protective actions during firefighting	Containers close to fire should be removed or cooled with water.
	Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
SECTIO	ON 6: Accidental release meas	ures
6.1. Pe	rsonal precautions, protective	equipment and emergency procedures
	Personal precautions	Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots,clothing or apron, as appropriate. No smoking, sparks, flames or other sources of ignition near spillage.
6.2. En	vironmental precautions	
	Environmental precautions	Do not discharge into drains or watercourses or onto the ground.
	6.4. Reference to other sections	
SECTIO	ON 7: Handling and storage	
7.1. Pr	ecautions for safe handling	
	Usage precautions	Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin, eyes and clothing.
	Advice on general occupational hygiene	Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet.
7.2. Co	nditions for safe storage, inclu	uding any incompatibilities
	Storage precautions	Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Protect from freezing and direct sunlight
	7.2 Specific and use(a)	

7.3. Specific end use(s)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

INGREDIENT	CAS №	TWA, 8 hours
Propylene Glycol (IUPAC: PROPAN	57-55-6	TWA= 7* mg/m³
Benzyl Acetate (IUPAC: BENZYL A	140-11-4	TWA= 5* mg/m³

ADDITIONAL INFORMATION: Information valid at the time of review of safety data sheet. 8.2. EXPOSURE CONTROLS: ENGINEERING MEASURES: Comply with standard precautionary measures for working with chemicals. See Directive 2004/37/EG on the protection of workers from the risks related to exposure to carcinogens or mutagens at work. HYGIENIC MEASURES: When using do not eat, drink or smoke.

GENERAL PROTECTIVE AND HYGIENIC MEASURES:	Avoid contact with the eyes. Wash hands during work breaks and at the end of the shift. Provide skin protection plan.
RESPIRATORY PROTECTION:	Avoid excessive inhalation of concentrated vapors. Ensure adequate ventilation. If workers are exposed to high concentrations, they must use appropriate, certified respirators. Wear suitable respiratory protection in case of large scale exposure. Suitable facemask in accordance with EN 140.
BODY PROTECTION:	Protective clothing. Safety showers should be available in the immediate vicinity of any potential exposure. Wear appropriate protective clothing, overalls or suit, and similar boots in accordance with EN 365/367.
EYE PROTECTION:	Wear appropriate safety glasses with side shields, in accordance with EN 166, when there is danger of possible eye contact. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.
Hygiene measures	No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.
HAND PROTECTION:	Chemical protective gloves according to DIN EN 374 with CE-labelling. Suitable material - nitril. 0.13 mm. Indication of permeation breakthrough time – 1 hour. Check the condition of protective gloves after each use for any damages like holes, cuts or tears. Do not wear protective gloves longer than necessary. After use of gloves apply skin-cleaning agents and skin cosmetics. Gloves for mechanical protection do not provide protection against chemicals.
RISK MANAGEMENT MEASURES:	The operators shall be instructed adequately. The workplace shall be inspected regularly by competent personnel e.g. the safety representative.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Homogeneous transparent liquid , opalescence is allowed.
AUTOIGNITION	No spontaneous combustion
TEMPERATURE:	
BOILING POINT:	No data available
COLOUR:	From colorless to brown
DECOMPOSITION	No data available
TEMPERATURE:	
DENSITY, 20 °C:	0.9 – 1.6 g/cm³
FLASH POINT:	> 61 °C
FREEZING POINT:	No data available
FREEZING POINT:	No data available
KINEMATIC VISCOSITY:	No data available
LOWER AND UPPER	Not explosive
EXPLOSIVE LIMITS:	
MELTING POINT/MELTING	< 0 °C
RANG:	
ODOUR:	Fragrance description

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PARTITION COEFFICIENT N OCTANOL/WATER (LOG MEAN):	No data available	
pH:	No data available	
RELATIVE VAPOR DENSITY:	No data available	
SOLUBILITY IN ALCOHOL:	Soluble	
SOLUBILITY IN WATER:	Limited solubility	
VAPOR PRESSURE:	No data available	
SECTION 10: STABILITY AND REACT	IVITY	
10.1. REACTIVITY:	The product is stable and relatively inert under normal conditions of use, storage and transport.	
10.2. CHEMICAL STABILITY:	Under the conditions of use specified in Section 7, the product is stable.	
10.3. POSSIBILITY OF HAZARDOUS REACTION:	Under normal conditions of use, there is no information on dangerous reactions.	
10.4. CONDITIONS TO AVOID:	Contact with incompatible materials.	
10.5. INCOMPATIBLE MATERIALS:	Strong acids, strong bases, strong oxidants.	
10.6. HAZARDOUS DECOMPOSITION PRODUCTS:	No decomposition product of storage and handling conditions are followed. In case of fire, hazardous gases may form.	

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects	
INHALATION	
Acute toxicity:	No data available
Corrosion/irritation:	Not classified – based on available data, the classification criteria are not met.
Sensitisation:	Does not contain substances classified as respiratory sensitizer. Not classified – based on available data, the classification criteria are not met.
Carcinogenicity:	Does not contain carcinogenic substances. Not classified – based on available data, the classification criteria are not met.
Mutagenicity:	Does not contain mutagenic substances. Not classified – based on available data, the classification criteria are not met.
SKIN CONTACT:	
Acute toxicity:	No data available
Corrosion/irritation:	Not classified – based on available data, the classification criteria are not met.
Sensitisation:	Does not contain substances classified as respiratory sensitizer. Not classified – based on available data, the classification criteria are not met.
Carcinogenicity:	Does not contain carcinogenic substances. Not classified – based on available data, the classification criteria are not met.
Mutagenicity:	Does not contain mutagenic substances. Not classified – based on available data, the classification criteria are not met.
EYE CONTACT:	
Corrosion/irritation: INGESTION:	No data available
Acute toxicity:	No data available
Corrosion/irritation:	May cause a feeling of sickness, vomiting and diarrhoea.

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Sensitisation:	Does not contain carcinogenic substances. Not classified – based on available data, the classification criteria are not met.	
Carcinogenicity:	Does not contain carcinogenic substances. Not classified – based on available data, the classification criteria are not met.	
Mutagenicity:	Does not contain mutagenic substances. Not classified – based on available data, the classification criteria are not met.	
Reprotoxicity:	Not expected to be reprotoxic. Not classified – based on available data, the classification criteria are not met. Fertility: Not classified – based on available data, the classification criteria are not met.	
11.2. PRIMARY IRRITANT EFFECT:	No data available	
11.2.1 ENDOCRINE DISRUPTING PROPERTIES:	None	
11.3. SENSITISATION:	Classified as Sensitisation — Skin, hazard category 1.	
11.4 CHRONIC EFFECT:	Classified as Hazardous to the aquatic environment — Chronic Category 3.	
11.5 TARGET ORGANS:	Does not have any classifiable toxicity.	
11.6. CARCINOGENICITY:	Does not have any classifiable toxicity.	
11.7. MUTAGENICITY:	Does not have any classifiable toxicity.	
11.8. REPROTOXICITY:	Does not have any classifiable toxicity.	
SECTION 12: ECOLOGICAL INFORMATION		

12.1. TOXICITY:

No ecotoxicological research has been carried out on this product. Ecotoxicity - Toxic to aquatic organisms:

Ingredients Toxicity:

AQUATIC TOXICITY:

Propylene Glycol (IUPAC: PROPANE-1,2-DIOL) 57-55-6 EC50/72H 21,75 g/l(Algae) EC50/48 H 26,55 g/l(Algae) LC50/48 H 18,34 g/l(Aquatic invertebrates) LC50/96 H 18,8 g/l(Aquatic invertebrates) Benzyl Acetate (IUPAC: BENZYL ACETATE) 140-11-4 EC50/72H 101 mg/l(Algae) EC50/48 H 17 mg/l(Aquatic invertebrates) LC50/96 H 4 mg/l(Fish)	
EC50/72H 21,75 g/l(Algae) EC50/48 H 26,55 g/l(Algae) LC50/48 H 18,34 g/l(Aquatic invertebrates) LC50/96 H 18,8 g/l(Aquatic invertebrates) Benzyl Acetate (IUPAC: BENZYL ACETATE) 140-11-4 EC50/72H 101 mg/l(Algae) EC50/48 H 17 mg/l(Aquatic invertebrates) LC50/96 H 4 mg/l(Fish)	
EC50/48 H26,55 g/l(Algae)LC50/48 H18,34 g/l(Aquatic invertebrates)LC50/96 H18,8 g/l(Aquatic invertebrates)Benzyl Acetate (IUPAC: BENZYL ACETATE)140-11-4EC50/72H101 mg/l(Algae)EC50/48 H17 mg/l(Aquatic invertebrates)LC50/96 H4 mg/l(Fish)	
LC50/48 H18,34 g/l(Aquatic invertebrates)LC50/96 H18,8 g/l(Aquatic invertebrates)Benzyl Acetate (IUPAC: BENZYL ACETATE)140-11-4EC50/72H101 mg/l(Algae)EC50/48 H17 mg/l(Aquatic invertebrates)LC50/96 H4 mg/l(Fish)	
LC50/96 H 18,8 g/l(Aquatic invertebrates) Benzyl Acetate (IUPAC: BENZYL ACETATE) 140-11-4 EC50/72H 101 mg/l(Algae) EC50/48 H 17 mg/l(Aquatic invertebrates) LC50/96 H 4 mg/l(Fish)	
Benzyl Acetate (IUPAC: BENZYL ACETATE) 140-11-4 EC50/72H 101 mg/l(Algae) EC50/48 H 17 mg/l(Aquatic invertebrates) LC50/96 H 4 mg/l(Fish)	
140-11-4 EC50/72H 101 mg/l(Algae) EC50/48 H 17 mg/l(Aquatic invertebrates) LC50/96 H 4 mg/l(Fish)	
EC50/72H101 mg/l(Algae)EC50/48 H17 mg/l(Aquatic invertebrates)LC50/96 H4 mg/l(Fish)	
EC50/48 H 17 mg/l(Aquatic invertebrates) LC50/96 H 4 mg/l(Fish)	
LC50/96 H 4 mg/l(Fish)	
Tetrohydralinglad / UIDAC: 2.7 DIMETUVI OCTAN 2.01	
Tetrahydrolinalool (IUPAC: 3,7-DIMETHYLOCTAN-3-OL)	
78-69-3	
EC50/72H 21,6 mg/l(Algae)	
EC50/72H 21,6 mg/l(Aquatic algae and cyanoba)	
EC50/48 H 14,2 mg/l(Aquatic invertebrates)	
LC50/96 H 8,9 mg/l(Fish)	
Geranyl Acetate (IUPAC: (2E)-3,7-DIMETHYLOCTA-2,6-DIEN-1-YL ACETATE)	
105-87-3	
EC50/72H 3,72 mg/l(Algae)	
EC50/72H 3,72 mg/l(Aquatic algae and cyanoba)	
EC50/48 H 14,1 mg/l(Aquatic invertebrates)	
EC50/48 H 14,1 mg/I(Aquatic invertebrates)	

			_EN 6 Fragrance Jasmine E	gyptian CFB 12584 Printed 08-07-2025	
		8,12 mg/l(Fish)			
		8,12 mg/l(Fish)			
	Dihydroeugenol (IUPAC: 2-METHOXY-4-PROPYLPHENOL)				
	2785-87-7				
		• • •	algae and cyanoba)		
		• • •	algae and cyanoba)		
		,1 mg/l(Aquatic	,		
		,5 mg/l(Aquatic	invertebrates)		
	LC50/96 H 4,4 mg/l(Fish)				
			ona (IUPAC: (2E)-2	-(PHENYLMETHYLIDENE)OCTANAL)	
	101-86-0 165184-98-5				
		5 (Algae)			
		75 (Aquatic inve	ertebrates)		
	LC50/96 H 1		NA		
	12.2. PERSISTE DEGRADABILIT	-	environment.	erm adverse effects in the aquatic	
	ASSESSMENT		No data available		
	BIODEGRADAT	ION AND			
	ELIMINATION:				
		CUMULATIVE		nt information available. Low potential for	
	POTENTIAL	•	Dioaccumulation: CAS №	logPow>4 (log Powcalculated = 9,269) Partition Coefficient	
	12.4. MOBILITY		No data available		
	GENERAL NOT	-			
	12.5. RESULTS	OF PBT UN	This mixture does	not contain substances that meet the PB ⁻	
	vPvB ASSESSM			f REACH, annex XIII.	
	12.6. ENDOCRINE DISRUPTING PROPERTIES:		None		
	12.7. OTHER A EFFECTS:	DVERSE			
	Global Warming		· ·	ibute to the greenhouse effect.	
SECTIO	N 13: DISPOS		RATIONS		
	13.1. WASTE TI METHODS:	REATMENT			
Dispose			I and national reg		
	Product residue			ues into the municipal sewage system.	
	Additional warni	-	None.		
	European waste catalogue:		Dispose of accord 2014/955/EU; 200	ding to directives: 2008/98/ES; 94/62/ES ; 08/98/ES .	
		E	UROPEAN WASTE	CATALOGUE	
	EWC CODE	Description	n		
	C		m organic chemical p		
	07.			e chemicals and chemical products not	
		07 otherwise s		ط	
	07 07 9		ot otherwise specifie	u uding oil filters not otherwise specified),	
	15 02 0			g contaminated by hazardous substances	
	CONTAMINATE	D PACKAGING		ackaging left after use to the person e disposal of hazardous waste.	
	RECOMMENDA	ATION:	Avoid release to t	•	
SECTIO	N 14. TRANSP		IATION:		
	1/1 1 IN number				

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14.2. UN proper shipping name	UN 3082 Environmentally hazardous substance, liquid, N.O.S. (Allyl Heptanoate, 7-Acetyl-1,1,3,4,4,6-Hexamethylietraline)	
14.3. TRANSPORT HAZARD CLASS (ES): ADR, IATA, IMDG CLASS	9	
DANGER LABEL:	9	
14.4. PACKING GROUP: ADR, IATA, IMD	III	
14.5. ENVIRONMENTAL HAZARDS: MARINE POLLUTANT	Yes	
14.6. SPECIAL PRECAUTIONS FOR USER:	Read MSDS and emergency procedures before handling	
14.7. TRANSPORT IN BULK	Not established.	
ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE:	Packaged liquids are not considered bulk.	
SECTION 15: REGULATORY INFORMATION		
	DEOLIL ATION (EQ) No. 4007/0000 of the Example of	

15.1. SAFETY, HEALTH AND ENVIROMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THESUBSTANCE OR MIXTURE:	REGULATION (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. DIRECTIVE 2006/11/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 15 February 2006 on pollution caused by certain dangerous substances discharged into the aquatic environment of the Community. REGULATION (EC) No 1272/2008 (CLP) of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
INFORMATION ABOUT LIMITATION OF USE:	Take note of Directive 94/33/EC on the protection of young people at work. Take note of Directive 92/85/EC on the safety and health of pregnant women at work.
15.2. CHEMICAL SAFETY ASSESSMENT:	Not applicable.

Full text of the classifications, including the indication of danger, the hazard symbols and the hazard statements, mentioned in section 2 or 3: Revisions are mentionned by a black stroke in left margin.

ABBREVIATIONS AND ACRONYMS:	
PBT:	Persistent, bioaccumulative, toxic
vPvB:	Very persistent, very bioaccumulative
EC:	European Inventory of Existing Commercial Chemical Substances
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
ADR:	European Agreement concerning the International Carriage of Dangerous Goods
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IATA:	International Air Transport Association		
IMDG:	International Maritime Code for Dangerous Goods		
LC50:	Median (50 %) lethal concentration		
LD50:	Median (50%) lethal dose		
EC50:	Effective concentration, 50 percent		
CLP:	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and Mixtures		
ECHA:	European Chemicals Agency, Helsinki (http://echa.europa.eu/home_en.asp)		
TWA:	Time Weighted Average		
IBC code:	International Bulk Chemical Code		
MARPOL:	International Convention for the Prevention of Pollution From Ships		
REACH:	Registration, Evaluation, Authorisation and Restriction of Chemicals		
UN:	United Nations		
ATE:	Acute Toxicity Estimate		
armatian given in this MCDC was obtained from surrent and reliable sources			

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