

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : **OIL CUT D 9 X**
Product group : Trade product

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use
Use of the substance/mixture : Metal working lubricant

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

IGOL FRANCE
614, rue de Cagny - CS 69003
80094 AMIENS CEDEX 3 - France
T +33 (0)3 22 50 22 22
msds@igol.com - www.igol.com

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number
UNITED KINGDOM	National Poisons Information Service (Cardiff Centre) Gwenwyn Ward, Llandough Hospital	Penarth CF64 2XX Cardiff	0844 892 0111 (UK only, Monday to Friday, 08.00 to 18.00 hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Lact. H362
Asp. Tox. 1 H304
Aquatic Acute 1 H400
Aquatic Chronic 2 H411

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

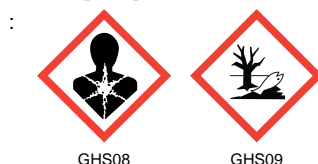
N; R50/53
R66
R64

Full text of R-phrases: see section 16

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



Signal word (CLP) : Danger
Hazardous ingredients : Carbohydrates, C10-C13, n-alkanes, iso-alkanes, cyclic, < 2% aromatics, alkanes, C14-17, chloro, chlorinated paraffins, C14-17
Hazard statements (CLP) : H304 - May be fatal if swallowed and enters airways
H362 - May cause harm to breast-fed children
H400 - Very toxic to aquatic life
H411 - Toxic to aquatic life with long lasting effects
Precautionary statements (CLP) : P201 - Obtain special instructions before use
P263 - Avoid contact during pregnancy/while nursing
P264 - Wash hands thoroughly after handling
P273 - Avoid release to the environment

EUH phrases

P301+P310 - IF SWALLOWED: immediately call a POISON CENTER or doctor/physician
P308+P313 - IF exposed or concerned: Get medical advice/attention
P331 - Do NOT induce vomiting
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation
: EUH066 - Repeated exposure may cause skin dryness or cracking
EUH208 - Contains Triisobutyl phosphate . May produce an allergic reaction

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Carbohydrates, C10-C13, n-alkanes, iso-alkanes, cyclic, < 2% aromatics	(EC no) 918-481-9 (REACH-no) 01-2119457273-39	25 - 50	Xn; R65 R66	Asp. Tox. 1, H304
alkanes, C14-17, chloro, chlorinated paraffins, C14-17	(CAS No) 85535-85-9 (EC no) 287-477-0 (EC index no) 602-095-00-X (REACH-no) 01-2119519269-33	25 - 50	R64 R66 N; R50/53	Lact., H362 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Triisobutyl phosphate	(CAS No) 126-71-6 (EC no) 204-798-3	0,1 - 1	R43	Skin Sens. 1, H317
Bis(2-ethylhexyl)amine	(CAS No) 106-20-7 (EC no) 203-372-4 (REACH-no) 01-2119977118-28	0,1 - 1	T; R23 C; R35 N; R51/53 Xn; R21/22	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 2 (Inhalation), H330 Skin Corr. 1A, H314 Aquatic Chronic 2, H411

Full text of R- and H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : In all cases of doubt, or when symptoms persist, seek medical attention.
First-aid measures after inhalation : In the event of faintness in consequence of exposure, immediately transport the victim to the fresh air. Obtain medical attention if breathing difficulty persists.
First-aid measures after skin contact : Wash contaminated clothing before reuse. Wash with plenty of soap and water. Seek medical attention if ill effect or irritation develops.
First-aid measures after eye contact : Contact ophthalmologist immediately. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye contact, immediately rinse with clean water for 10-15 minutes.
First-aid measures after ingestion : Do not induce vomiting. If swallowed, rinse mouth with water (only if the person is conscious). Immediately call a POISON CENTER or doctor/physician. Never give anything by mouth to an unconscious person.

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

Symptoms/injuries after inhalation : Symptoms may include dizziness, headache, nausea and loss of coordination.
Symptoms/injuries after skin contact : Prolonged or repeated contacts with the skin may cause dermatitis. Skin rash/inflammation. Redness. Itching.
Symptoms/injuries after eye contact : May cause slight irritation. Redness. Pain.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Dry powder. Foam. Sand. AFFF foam. Water spray. Carbon dioxide.
Unsuitable extinguishing media : Do not use water jet.

5.2. Special hazards arising from the substance or mixture

Reactivity in case of fire : On burning: release of (highly) toxic gases/vapours. Carbon oxides (CO, CO2).

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Prevent fire-fighting water from entering environment. Exercise caution when fighting any chemical fire.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Protective equipment : Concerning personal protective equipment to use, see section 8. Wear suitable protective clothing and gloves.
- Emergency procedures : Evacuate unnecessary personnel. Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel). Provide adequate ventilation.

6.1.2. For emergency responders

- Protective equipment : Wear suitable protective clothing and gloves. Avoid breathing Aerosols, Vapours. Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area. Clean up any spills as soon as possible, using an absorbent material to collect it. Stop leak if safe to do so.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it. Collect all waste in suitable and labelled containers and dispose according to local legislation.

6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. For disposal of residues refer to section 13 : Disposal considerations " ".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : Provide proper grounding.
- Precautions for safe handling : Provide good ventilation in process area to prevent formation of vapour. Keep away from sources of ignition - No smoking. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke in areas where product is used.
- Hygiene measures : Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid contact with skin, eyes and clothing.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Comply with applicable regulations.
- Storage conditions : Keep away from sources of ignition - No smoking. Store in original container. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. Keep container tightly closed. Keep container closed when not in use.
- Heat and ignition sources : No flames, no sparks. Eliminate all sources of ignition.
- Prohibitions on mixed storage : Oxidation agents.
- Storage area : Store away from heat. Floors should be impervious, resistant to liquids and easy to clean.
- Special rules on packaging : Keep only in original container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

- Personal protective equipment : Avoid all unnecessary exposure.

Materials for protective clothing	: Separate working clothes from town clothes. Launder separately
Hand protection	: Wear suitable gloves resistant to chemical penetration. Chemical resistant gloves (according to European standard NF EN 374 or equivalent). Time of penetration is to be checked with the glove producer
Eye protection	: Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: Avoid the formation of mists in the atmosphere. Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. respirator with combination filter for vapour/particles
Other information	: Provide local exhaust or general room ventilation to minimize mist and/or vapour concentrations.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: brown.
Odour	: characteristic.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 146 °C [NFT 60-118]
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 958 kg/m ³ (15 °C) [NFT 60-101]
Solubility	: Water: Not miscible or Slightly miscible
Log Pow	: No data available
Viscosity, kinematic	: 8,8 mm ² /s (40 °C) [NFT 60-100]
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

All heat sources, including direct sunlight. Sparks. Open flame.

10.5. Incompatible materials

Strong oxidizers. Strong acids. Strong bases.

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Carbohydrates, C10-C13, n-alkanes, iso-alkanes, cyclic, < 2% aromatics	
LD50 oral rat	> 5000 mg/kg (OESO 401)
LD50 dermal rabbit	> 5000 mg/kg (OESO 402)
LC50 inhalation rat (mg/l)	> 4,951 g/m ³ (4h, OESO 403)
alkanes, C14-17, chloro, chlorinated paraffins, C14-17 (85535-85-9)	
LD50 oral rat	> 4000 mg/kg
LD50 dermal rat	4000 mg/kg
LC50 inhalation rat (mg/l)	> 48170 mg/m ³ (1h)
Triisobutyl phosphate (126-71-6)	
LD50 oral rat	5000 mg/kg
Bis(2-ethylhexyl)amine (106-20-7)	
LD50 oral rat	1640 mg/kg
LD50 dermal rabbit	1190 mg/kg
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: May cause harm to breast-fed children.
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: May be fatal if swallowed and enters airways.
OIL CUT D 9 X	
Viscosity, kinematic	8,8 mm ² /s (40 °C) [NFT 60-100]

SECTION 12: Ecological information

12.1. Toxicity

Carbohydrates, C10-C13, n-alkanes, iso-alkanes, cyclic, < 2% aromatics	
LC50 fish 1	> 1000 mg/l (Oncorhynchus mykiss, 96h) [OECD 203]
EC50 Daphnia 1	> 1000 mg/l (Daphnia magna, 48h) [OECD 202]
ErC50 (algae)	> 1000 mg/l (Pseudokirchnerella subcapitata, 72h) [OECD 201]
NOEC chronic fish	0,1 mg/l (Oncorhynchus mykiss, 28d)
NOEC chronic crustacea	0,18 mg/l (Daphnia magna, 21d)
LC0, acute, Oncorhynchus mykiss,	= 1000 mg/l
EC0, acute, daphnia,	1000 mg/l
EC0, acute, Pseudokirchnerella subcapitata,	= 1000 mg/l
alkanes, C14-17, chloro, chlorinated paraffins, C14-17 (85535-85-9)	
LC50 fish 1	> 5000 mg/l (Alburnus alburnus (brackish water), 96h)
EC50 Daphnia 1	5,9 µg/l (Daphnia magna, 48h)
NOEC chronic fish	> 0,125 mg/l (Alburnus alburnus (brackish water), 14d)
NOEC chronic crustacea	0,01 mg/l (Daphnia magna, 21d)

12.2. Persistence and degradability

Carbohydrates, C10-C13, n-alkanes, iso-alkanes, cyclic, < 2% aromatics	
Persistence and degradability	Readily biodegradable.
Biodegradation	80 % (28d)
alkanes, C14-17, chloro, chlorinated paraffins, C14-17 (85535-85-9)	
Persistence and degradability	Inherently biodegradable.

12.3. Bioaccumulative potential

alkanes, C14-17, chloro, chlorinated paraffins, C14-17 (85535-85-9)	
Log Pow	7

alkanes, C14-17, chloro, chlorinated paraffins, C14-17 (85535-85-9)	
Bioaccumulative potential	There is no bioaccumulation.
Bis(2-ethylhexyl)amine (106-20-7)	
Log Pow	6,56

12.4. Mobility in soil

alkanes, C14-17, chloro, chlorinated paraffins, C14-17 (85535-85-9)	
Ecology - soil	No data available.

12.5. Results of PBT and vPvB assessment

Component	
Carbohydrates, C10-C13, n-alkanes, iso-alkanes, cyclic, < 2% aromatics ()	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Triisobutyl phosphate (126-71-6)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

Additional information : Do not discharge the product into the environment. Do not flush into surface water or sewer system

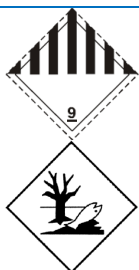
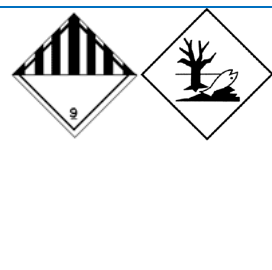
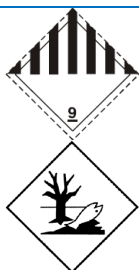


SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Do not discharge into drains or the environment. Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

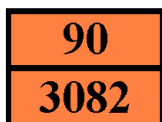
In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
3082	3082	3082	3082	3082
14.2. UN proper shipping name				
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	Environmentally hazardous substance, liquid, n.o.s.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Transport document description				
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alkanes, C14-17, chloro, chlorinated paraffins, C14-17), 9, III, (E)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS			
14.3. Transport hazard class(es)				
9	9	9	9	9
				
14.4. Packing group				
III	III	III	III	III
14.5. Environmental hazards				
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes
No supplementary information available				

14.6. Special precautions for user

- Overland transport

Classification code (ADR)	: M6
Special provisions (ADR)	: 274, 335, 601
Limited quantities (ADR)	: 5I
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P001, IBC03, LP01, R001
Special packing provisions (ADR)	: PP1
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T4
Portable tank and bulk container special provisions (ADR)	: TP1, TP29
Tank code (ADR)	: LGBV
Vehicle for tank carriage	: AT
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV13
Hazard identification number (Kemler No.)	: 90
Orange plates	:



Tunnel restriction code (ADR)	: E
EAC code	: •3Z

- Transport by sea

Special provisions (IMDG)	: 274, 335
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001, LP01
Special packing provisions (IMDG)	: PP1
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP2, TP29
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-F
Stowage category (IMDG)	: A

- Air transport

PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y964
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 964
PCA max net quantity (IATA)	: 450L
CAO packing instructions (IATA)	: 964
CAO max net quantity (IATA)	: 450L
Special provisions (IATA)	: A97, A158, A197
ERG code (IATA)	: 9L

- Inland waterway transport

Classification code (ADN)	: M6
Special provisions (ADN)	: 274, 335, 61
Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E1
Carriage permitted (ADN)	: T

Equipment required (ADN) : PP
 Number of blue cones/lights (ADN) : 0
 Carriage prohibited (ADN) : No
 Not subject to ADN : No

- Rail transport

Classification code (RID) : M6
 Special provisions (RID) : 274, 335, 601
 Limited quantities (RID) : 5L
 Excepted quantities (RID) : E1
 Packing instructions (RID) : P001, IBC03, LP01, R001
 Special packing provisions (RID) : PP1
 Mixed packing provisions (RID) : MP19
 Portable tank and bulk container instructions (RID) : T4
 Portable tank and bulk container special provisions (RID) : TP1, TP29
 Tank codes for RID tanks (RID) : LGBV
 Transport category (RID) : 3
 Special provisions for carriage – Packages (RID) : W12
 Special provisions for carriage - Loading, unloading and handling (RID) : CW13, CW31
 Colis express (express parcels) (RID) : CE8
 Hazard identification number (RID) : 90
 Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no substances with Annex XVII restrictions
 Contains no substance on the REACH candidate list
 Contains no REACH Annex XIV substances

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Training advice : Not to be used for any purpose other than the one the product was designed for.

Full text of R-, H- and EUH-phrases:

Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Lact.	Reproductive toxicity, Additional category, Effects on or via lactation
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Sens. 1	Sensitisation — Skin, category 1
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin

H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H330	Fatal if inhaled
H362	May cause harm to breast-fed children
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
EUH066	Repeated exposure may cause skin dryness or cracking
EUH208	Contains . May produce an allergic reaction
R21/22	Harmful in contact with skin and if swallowed
R23	Toxic by inhalation
R35	Causes severe burns
R43	May cause sensitisation by skin contact
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R64	May cause harm to breastfed babies
R65	Harmful: may cause lung damage if swallowed
R66	Repeated exposure may cause skin dryness or cracking
C	Corrosive
N	Dangerous for the environment
T	Toxic
Xn	Harmful

The Material Safety Data Sheet was drawn up in compliance with the actual regulation in force. It is only provided for information and can be modified without notice period. It can't be considered as a product warranty. Its sole publication does not create juridical and contractual engagements. A possible contractual relation can only occurs from a contract, subjected by the general IGOLs sell conditions, between IGOL and another party. The information given in the Material Safety Data Sheet are based on the state of our knowledge relative to the product at the date indicated. The information, given bona fide, is strictly meant to advice users on security aspects. Then, the information can't be considered as products specifications. The product's specifications and applications can't be deduced from the information given on this Material Safety Data Sheet. The sheet completes the technical data sheet but doesn't replace it. The information presented in the Material Safety Data Sheet won't unload the user to evaluate the risks linked to its use of the product and to respect the regulation applied. The user's attention is attracted on the potential risks when a product is used for a different application than the one it is produced for. The user has to get informed and to apply all the regulation of its activity. The data and the legal prescriptions cited in the sheet only aim to help the user to respect some obligations. The user can't consider the data by as exhaustive. The user will take on its own responsibility the safe practices for the use of the product. IGOL can't be considered as responsible for the damages resulting of the material handling, stocking, use or destruction. The Material Safety Data Sheet was set up especially for this product and can only, since then, be used for this one. Besides, if the product is used as a component for another product, the user's attention is attracted on the fact that for that case the information can't be applicable.