

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : **USISPACE 4500**  
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 : Machining and grinding fluid

##### 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](mailto:msds@igol.com) - [www.igol.com](http://www.igol.com)

#### 1.4. Emergency telephone number

<b>United Kingdom</b>	<b>National Poisons Information Service (Cardiff Centre)</b> Gwenwyn Ward, Llandough Hospital Penarth CF64 2XX Cardiff <b>0844 892 0111</b> UK only, Monday to Friday, 08.00 to 18.00 hours
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### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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


Skin Irrit. 2 H315

Eye Irrit. 2 H319

Full text of classification categories and H statements : see section 16

#### 2.2. Label elements

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

Hazard pictograms (CLP) :   
GHS07

Signal word (CLP) : Warning  
Hazard statements (CLP) : H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
Precautionary statements (CLP) : P264 - Wash hands thoroughly after handling  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P332+P313 - If skin irritation occurs: Get medical advice/attention  
P337+P313 - If eye irritation persists: Get medical advice/attention  
P362+P364 - Take off contaminated clothing and wash it before reuse

#### 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 Regulation (EC) No. 1272/2008 [CLP]
Distillates (petroleum), hydrotreated heavy naphthenic	(CAS No) 64742-52-5 (EC no) 265-155-0 (EC index no) 649-465-00-7 (REACH-no) 01-2119467170-45	10 - 30	Not classified
2,2'-(methylimino)diethanol	(CAS No) 105-59-9 (EC no) 203-312-7 (EC index no) 603-079-00-5 (REACH-no) 01-2119488970-24	1 - 5	Eye Irrit. 2, H319
1-Aminopropan-2-ol	(CAS No) 78-96-6 (EC no) 201-162-7 (EC index no) 603-082-00-1 (REACH-no) 01-2119475331-43	1 - 5	Acute Tox. 4 (Dermal), H312 Skin Corr. 1B, H314
1-Phenoxy propan-2-ol	(CAS No) 770-35-4 (EC no) 212-222-7 (REACH-no) 01-2119486566-23	1 - 5	Eye Irrit. 2, H319

Full text of H-statements: 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 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Contact ophthalmologist immediately.
- First-aid measures after ingestion : Do not induce vomiting. Immediately call a POISON CENTER or doctor/physician.

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

- Symptoms/injuries after skin contact : Causes skin irritation.
- Symptoms/injuries after eye contact : Causes serious eye irritation.

### 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 : powder, AFFF, foam, carbon dioxide. Water spray.
- Unsuitable extinguishing media : Do not use water jet.

### 5.2. Special hazards arising from the substance or mixture

No additional information available

### 5.3. Advice for firefighters

- Firefighting instructions : Prevent fire-fighting water from entering environment.
- 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.
- Emergency procedures : Ensure adequate ventilation.

#### 6.1.2. For emergency responders

- Protective equipment : Wear suitable protective clothing and gloves.
- Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into inert absorbent material.

### 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

Precautions for safe handling : Provide good ventilation in process area to prevent formation of vapour.  
Hygiene measures : 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.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in original container.  
Storage temperature : 4 - 35 °C

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

2,2'-(methylimino)diethanol (105-59-9)		
EU	IOELV TWA (mg/m³)	26 mg/m³

### 8.2. Exposure controls

Hand protection : Wear suitable gloves resistant to chemical penetration. Wear suitable gloves tested to EN374. Penetration time of glove material: The exact time of penetration is determined by the manufacturer of protective gloves and to respect.  
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. Combined gas/dust mask with filter type AX/P2  
Other information : Provide local exhaust or general room ventilation to minimize vapour concentrations.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid  
Colour : Yellow .  
Odour : characteristic.  
Odour threshold : No data available  
pH : 9,6 (5% in water)  
Relative evaporation rate (butylacetate=1) : No data available  
Melting point : < 4 °C  
Freezing point : No data available  
Boiling point : 100 °C  
Flash point : No data available  
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 : 1015 kg/m³ (15 °C) [NF T 60-101]  
Solubility : Emulsifiable in water.  
Log Pow : No data available  
Viscosity, kinematic : 121 mm²/s (40°C)  
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

The product is stable at normal handling and storage conditions.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

Distillates (petroleum), hydrotreated heavynaphthenic (64742-52-5)	
LC50 inhalation rat (Dust/Mist - mg/l/4h)	> 5,53 mg/l/4h
2,2'-(methylimino)diethanol (105-59-9)	
LD50 dermal rabbit	> 2000 mg/kg
1-Aminopropan-2-ol (78-96-6)	
LD50 dermal rabbit	1851 mg/kg
Skin corrosion/irritation	: Causes skin irritation. pH: 9,6 (5% in water)
Serious eye damage/irritation	: Causes serious eye irritation. pH: 9,6 (5% in water)
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
USISPACE 4500	
Viscosity, kinematic	121 mm²/s (40°C)

## SECTION 12: Ecological information

### 12.1. Toxicity

USISPACE 4500	
LC50 fish 1	> 100 mg/l (96h)
EC50 Daphnia 1	> 100 mg/l (48h)
EC50 72h algae (1)	> 100 mg/l (72h)
Distillates (petroleum), hydrotreated heavynaphthenic (64742-52-5)	
LC50 fish 1	> 100 mg/l (96h)
2,2'-(methylimino)diethanol (105-59-9)	
LC50 fish 1	1466 mg/l (Leuciscus idus, 96h)
EC50 Daphnia 1	233 mg/l (Daphnia magna, 48h)

2,2'-(methylimino)diethanol (105-59-9)	
LC50 fish 2	1000 mg/l
ErC50 (algae)	> 100 mg/l (Scenedesmus subspicatus, 72h)

1-Aminopropan-2-ol (78-96-6)	
LC50 fish 1	2520 mg/l 96h (Pimephales promelas)
EC50 Daphnia 1	109 48h (Daphnia magna Straus)
ErC50 (algae)	32,7 mg/l 72h (Scenedesmus subspicatus)

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

1-Aminopropan-2-ol (78-96-6)	
Bioconcentration factor (BCF REACH)	0,11
Log Pow	-0,93

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

Component	
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	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

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Dispose in a safe manner in accordance with local/national regulations.  
European List of Waste (LoW) code : 12 01 07\* - mineral-based machining oils free of halogens (except emulsions and solutions)

## SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
No dangerous good in sense of transport regulations.(ADR, RID, IMDG, IATA )				
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
No supplementary information available				

### 14.6. Special precautions for user

#### - Overland transport

No data available

#### - Transport by sea

No data available

#### - Air transport

No data available

#### - Inland waterway transport

Carriage prohibited (ADN) : No

Not subject to ADN : No

### - Rail transport

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 REACH 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

Indication of changes:

	SDS EU format	Added	
	Revision date	Modified	
	SDS Ref.	Added	
1.1	Product code	Added	
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Added	
2.1	Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]	Added	
2.2	Signal word (CLP)	Added	
2.2	Hazard pictograms (CLP)	Added	
2.2	Precautionary statements (CLP)	Added	
2.2	Hazard statements (CLP)	Added	
2.2	S-phrases	Added	
2.2	R-phrases	Added	
2.2	Hazard symbols	Added	
2.2	Extra phrases	Removed	
4.2	Symptoms/injuries after skin contact	Added	
4.2	Symptoms/injuries after eye contact	Added	
5.2	Reactivity in case of fire	Removed	
7.2	Storage conditions	Added	
9.1	Viscosity, kinematic	Modified	
9.1	Density	Modified	
9.1	pH	Modified	
10.2	Chemical stability	Added	

Full text of H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2

Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H319	Causes serious eye irritation

*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 occur 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.*