

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

#### 1.1. Product identifier

Product form : Mixture  
 Product name : USINOV/USIPACK/MASTERFLUID 3250  
 Product code : 450109  
 Type of product : Lubricants  
 Product group : Blend

#### 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 fluids / rolling oils  
 Function or use category : Lubricants and additives

##### 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

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]

Skin Irrit. 2 H315  
 Eye Irrit. 2 H319  
 Aquatic Chronic 3 H412

Full text of H-phrases: 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  
 H412 - Harmful to aquatic life with long lasting effects

Precautionary statements (CLP) :

P273 - Avoid release to the environment  
 P280 - Wear protective gloves, eye protection  
 P302+P352 - IF ON SKIN: Wash with plenty of soap and water  
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 P332+P313 - If skin irritation occurs: Get medical advice/attention  
 P337+P313 - If eye irritation persists: Get medical advice/attention  
 P501 - Dispose of contents/container to a hazardous or special waste collection point

EUH phrases

: EUH208 - Contains 2-n-butyl-benzo[d]isothiazol-3-one. May produce an allergic reaction

# USINOV/USIPACK/MASTERFLUID 3250

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

### 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]
Distillates (petroleum), hydrotreated light	(CAS No) 64742-53-6 (EC no) 265-156-6 (EC index no) 649-466-00-2 (REACH-no) 01-2119480375-34-0000	50 - 80	Not classified	Asp. Tox. 1, H304
Fatty alcohol polyglycoether	(CAS No) 68920-66-1 (EC no) 500-236-9	1 - 5	Xi; R38	Skin Irrit. 2, H315 Aquatic Chronic 2, H411
Fatty acid ethanol amide, ethoxylated	(CAS No) 68603-39-4	1 - 5	Xi; R36/38	Skin Irrit. 2, H315 Eye Irrit. 2, H319
2,2'-iminodiethanol, diethanolamine	(CAS No) 111-42-2 (EC no) 203-868-0 (EC index no) 603-071-00-1 (REACH-no) 01-2119488930-28	1 - 5	Xn; R22 Xn; R48/22 Xi; R41 Xi; R38	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT RE 2, H373 Aquatic Chronic 3, H412
2-aminoethanol	(CAS No) 141-43-5 (EC no) 205-483-3 (EC index no) 603-030-00-8 (REACH-no) 01-2119486455-28	1 - 5	Xn; R20/21/22 C; R34 Xi; R37	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1B, H314 STOT SE 3, H335

#### Specific concentration limits:

Name	Product identifier	Specific concentration limits: DSD/DPD	Specific concentration limits: CLP
2-aminoethanol	(CAS No) 141-43-5 (EC no) 205-483-3 (EC index no) 603-030-00-8 (REACH-no) 01-2119486455-28	(5 ≤ C < 10) Xi; R36/37/38 (C ≥ 10) C; R34	(C ≥ 5) STOT SE 3, H335

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 after inhalation	: When symptoms occur: go into open air and ventilate suspected area.
First-aid measures after skin contact	: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Specific treatment (see ... on this label).
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Call a POISON CENTER or doctor/physician if you feel unwell.

### 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

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: AFFF foam.
Unsuitable extinguishing media	: When cooling/extinguishing: no water in the substance.

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

Fire hazard	: Combustible under specific conditions.
Explosion hazard	: Not applicable.
Reactivity in case of fire	: Decomposes on exposure to temperature rise: release of harmful/irritant gases/vapours.
Hazardous decomposition products in case of fire	: Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases.

# USINOV/USIPACK/MASTERFLUID 3250

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

### 5.3. Advice for firefighters

- Precautionary measures fire : Post warning notices (including no smoking). Avoid ignition sources. No open flames, no sparks, and no smoking.
- Firefighting instructions : Evacuate area.
- Other information : Use water spray or fog for cooling exposed containers.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Relevant water authorities should be notified of any large spillage to water course or drain. Practice good housekeeping - spillage can be slippery on smooth surface either wet or dry.

#### 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 : Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel).
- Measures in case of dust release : Not applicable.

#### 6.1.2. For emergency responders

- Emergency procedures : Clean up any spills as soon as possible, using an absorbent material to collect it.

### 6.2. Environmental precautions

Avoid release to the environment.

### 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.
- Other information : May be dangerously slippery if spilled.

### 6.4. Reference to other sections

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

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Use personal protective equipment as required. Do not get in eyes, on skin, or on clothing. No open flames. No smoking.
- Hygiene measures : Wash ... thoroughly after handling.

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

- Technical measures : Comply with applicable regulations.
- Storage conditions : Store in original container. Keep container closed when not in use. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.
- Incompatible products : See Heading 10. Strong bases. Strong acids.
- Incompatible materials : See Heading 10. Sources of ignition. Direct sunlight.
- Prohibitions on mixed storage : Oxidation agents.
- Storage area : Store away from heat. Floors should be impervious, resistant to liquids and easy to clean. Cannot withstand frost.
- 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

2-aminoethanol (141-43-5)		
EU	IOELV TWA (ppm)	1 ppm
EU	IOELV STEL (ppm)	3 ppm
United Kingdom	Local name	2-Aminoethanol
United Kingdom	WEL TWA (mg/m³)	2,5 mg/m³
United Kingdom	WEL TWA (ppm)	1 ppm
United Kingdom	WEL STEL (mg/m³)	7,6 mg/m³
United Kingdom	WEL STEL (ppm)	3 ppm
United Kingdom	Remark (WEL)	Sk

# USINOV/USIPACK/MASTERFLUID 3250

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

### 8.2. Exposure controls

Appropriate engineering controls	: Wash hands before breaks and after work. Do not breathe gas/vapour/aerosol.
Materials for protective clothing	: Separate working clothes from town clothes. Launder separately
Hand protection	: protective gloves
Eye protection	: Eye protection should only be necessary where liquid could be splashed or sprayed
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: Avoid the formation of mists in the atmosphere. If this material is handled at elevated temperature or under mist forming conditions, approved respiratory protection equipment should be used

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Appearance	: Emulsion.
Colour	: light brown.
Odour	: characteristic.
Odour threshold	: No data available No data available
pH	: 9,02 (4%)
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: Not applicable
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	: 0,931
Solubility	: Emulsifiable in water.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: 48 cSt
Viscosity, dynamic	: No data available
Explosive properties	: Not applicable.
Oxidising properties	: Not applicable.
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No decomposition if stored normally.

### 10.2. Chemical stability

Combustible product. Stable at ambient temperature and under normal conditions of use. Not established.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

All heat sources. Sparks. Open flame. Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong oxidizers.

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

# USINOV/USIPACK/MASTERFLUID 3250

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

Fatty alcohol polyglycolether (68920-66-1)	
LD50 oral rat	> 2000 mg/kg
2,2'-iminodiethanol, diethanolamine (111-42-2)	
LD50 oral rat	1600 mg/kg
LD50 dermal rabbit	> 8200 mg/kg
2-aminoethanol (141-43-5)	
LD50 oral rat	2050 mg/kg
LD50 oral	700 mg/kg (mouse)
LD50 dermal rat	1000 mg/kg
LD50 dermal rabbit	1000 mg/kg
Distillates (petroleum), hydrotreated light (64742-53-6)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (Dust/Mist - mg/l/4h)	> 5,53 mg/l/4h

Skin corrosion/irritation : Causes skin irritation.  
pH: 9,02 (4%)

Serious eye damage/irritation : Causes serious eye irritation.  
pH: 9,02 (4%)

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

USINOV/USIPACK/MASTERFLUID 3250	
Viscosity, kinematic	48 mm <sup>2</sup> /s

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - water : Harmful to aquatic life with long lasting effects.

2,2'-iminodiethanol, diethanolamine (111-42-2)	
LC50 fish 1	1460 (Pimephales promelas, 96h)
EC50 Daphnia 1	55 mg/l (Daphnia magna, 48h)
ErC50 (algae)	2,2 mg/l (Pseudokirchneriella subcapitata, 96h)
2-aminoethanol (141-43-5)	
LC50 fish 1	170 mg/l (92 h)
ErC50 (algae)	22 mg/l (72 h)
Distillates (petroleum), hydrotreated light (64742-53-6)	
LC50 fish 1	> 100 mg/l 96 h
LC50 other aquatic organisms 1	> 100 mg/l
ErC50 (algae)	> 100 mg/l 48 h

#### 12.2. Persistence and degradability

USINOV/USIPACK/MASTERFLUID 3250	
Persistence and degradability	May cause long-term adverse effects in the environment.
Fatty alcohol polyglycolether (68920-66-1)	
Persistence and degradability	Readily biodegradable.
2,2'-iminodiethanol, diethanolamine (111-42-2)	
Persistence and degradability	Readily biodegradable.
Distillates (petroleum), hydrotreated light (64742-53-6)	
Persistence and degradability	Not readily biodegradable. Inherently biodegradable.

# USINOV/USIPACK/MASTERFLUID 3250

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

### 12.3. Bioaccumulative potential

#### USINOV/USIPACK/MASTERFLUID 3250

Log Pow	No data available
Log Kow	No data available
<b>Distillates (petroleum), hydrotreated light (64742-53-6)</b>	
Log Kow	> 3
Bioaccumulative potential	Bioaccumulative potential.

### 12.4. Mobility in soil

#### 2,2'-iminodiethanol, diethanolamine (111-42-2)

Ecology - soil	Material highly soluble in water.
<b>Distillates (petroleum), hydrotreated light (64742-53-6)</b>	
Ecology - soil	Insoluble in water.

### 12.5. Results of PBT and vPvB assessment

Component	
Distillates (petroleum), hydrotreated light (64742-53-6)	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
2,2'-iminodiethanol, diethanolamine (111-42-2)	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
Fatty acid ethanol amide, ethoxylated (68603-39-4)	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

Regional legislation (waste)	: Disposal must be done according to official regulations.
Waste treatment methods	: Recycling is preferred to disposal or incineration. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Take up liquid spill into absorbent material, e.g.: sand/earth.
Waste disposal recommendations	: Dispose of contents/container to ...
Ecology - waste materials	: Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.
European List of Waste (LoW) code	: 13 01 05* - non-chlorinated emulsions

## 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

Special transport precautions : Not regulated or not hazardous

#### - Overland transport

Transport regulations (ADR) : Not subject

#### - Transport by sea

Transport regulations (IMDG) : Not subject

# USINOV/USIPACK/MASTERFLUID 3250

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

### - Air transport

No data available

### - Inland waterway transport

Not subject to ADN : No

### - Rail transport

Transport regulations (RID) : Not subject

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

**For the following substances of this mixture a chemical safety assessment has been carried out**

Distillates (petroleum), hydrotreated light

## SECTION 16: Other information

Indication of changes:

	Indication of changes	Removed	
	Revision date	Added	
1.1	Product group	Added	
2.2	Precautionary statements (CLP)	Modified	
4.1	First-aid measures general	Removed	
4.1	First-aid measures after inhalation	Modified	
4.1	First-aid measures after ingestion	Modified	
5.1	Unsuitable extinguishing media	Modified	
5.1	Suitable extinguishing media	Modified	
5.3	Protection during firefighting	Removed	
5.3	Firefighting instructions	Modified	
6.1	Protective equipment	Removed	
6.1	Emergency procedures	Modified	
6.1	Emergency procedures	Modified	
6.3	Methods for cleaning up	Modified	
6.4	Reference to other sections (8, 13)	Modified	
7.1	Precautions for safe handling	Modified	
8.2	Other information	Removed	
8.2	Respiratory protection	Modified	
8.2	Personal protective equipment	Removed	
8.2	Eye protection	Modified	
10.5	Incompatible materials	Modified	

# USINOV/USIPACK/MASTERFLUID 3250

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

12.3	Bioaccumulative potential	Removed	
13.1	Ecology - waste materials	Modified	
16	Data sources	Removed	
16	Other information	Removed	

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.  
(Read the technical data sheet).

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

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
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
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
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
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H373	May cause damage to organs through prolonged or repeated exposure
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
EUH208	Contains . May produce an allergic reaction
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed
R22	Harmful if swallowed
R34	Causes burns
R36/38	Irritating to eyes and skin
R37	Irritating to respiratory system
R38	Irritating to skin
R41	Risk of serious damage to eyes
R48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed
C	Corrosive
Xi	Irritant
Xn	Harmful

### SDS EU (REACH Annex II)

*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.*