

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

**ISONEL ® 31 J**

Version 5.0 SDB_GB

Revision Date 04.08.2016

Print Date 04.08.2016

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

Trade name : ISONEL ® 31 J

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

Use of the Substance/Mixture : Insulating varnish

1.3 Details of the supplier of the safety data sheet

Company : Service Chimie
5 Place de l'Eglise Saint Thibault des Vignes
77400 Marne la Vallée
France

Telephone : 01 64 30 89 22
Telefax : 01 64 30 87 49
E-mail address : HSE@service-chimie.fr

1.4 Emergency telephone number

numéro ORFILA (INRS) : + 33 (0)1 45 42 59 59

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification (REGULATION (EC) No 1272/2008)**

Specific target organ toxicity - single exposure , Category 3, Central nervous system	H336: May cause drowsiness or dizziness.
Specific target organ toxicity - single exposure , Category 3, Respiratory system	H335: May cause respiratory irritation.
Aspiration hazard , Category 1	H304: May be fatal if swallowed and enters airways.
Chronic aquatic toxicity , Category 2	H411: Toxic to aquatic life with long lasting effects.

2.2 Label elements**Labelling (REGULATION (EC) No 1272/2008)**

Hazard pictograms :



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Signal word	: Da nger	
Hazard statements	: H304	May be fatal if swallowed and enters airways.
	H335	May cause respiratory irritation.
	H336	May cause drowsiness or dizziness.
	H411	Toxic to aquatic life with long lasting effects.
Supplemental Hazard Statements	: EUH066	Repeated exposure may cause skin dryness or cracking.
Precautionary statements	: Prevention:	
	P261	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
	P273	Avoid release to the environment.
	Response:	
	P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
	P304 + P340 + P312	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
	P331	Do NOT induce vomiting.
	P391 C	ollect spillage.

Hazardous components which must be listed on the label:

Low boiling point naphtha - unspecified

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients
3.2 Mixtures

Chemical nature : Alkyd phenolic resin solution

Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
Low boiling point naphtha - unspecified	64742-95-6 265-199-0 01-2119455851-35	STOT SE3; H336, H335 Asp. Tox.1; H304 Aquatic Chronic2; H411 Flam. Liq.3; H226	>= 20 - < 25
aromatic hydrocarbons, C9-12, benzene distn.	92062-36-7 295-551-9 01-2119555277-32	Flam. Liq.3; H226 STOT SE3; H335, H336 Asp. Tox.1; H304	>= 12,5 - < 20

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		Aquatic Chronic2; H411	
Hydrocarbons, C9, aromatics	Not Assigned 01-2119455851-35	Flam. Liq.3; H226 STOT SE3; H335, H336 Asp. Tox.1; H304 Aquatic Chronic2; H411	>= 12,5 - < 20

For explanation of abbreviations see section 16.

SECTION 4: First aid measures
4.1 Description of first aid measures

- General advice : Show this safety data sheet to the doctor in attendance.
Treat symptomatically.
Do not leave the victim unattended.
Consult a physician.
- Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal protective equipment.
- If inhaled : Move to fresh air.
If unconscious place in recovery position and seek medical advice.
Oxygen or artificial respiration if needed.
If symptoms persist, call a physician.
- In case of skin contact : Take off contaminated clothing and shoes immediately.
Wash off immediately with plenty of water for at least 15 minutes.
Use a mild soap if available.
Wash contaminated clothing before re-use.
- In case of eye contact : Immediately flush eye(s) with plenty of water.
Consult a physician.
Keep eye wide open while rinsing.
Protect unharmed eye.
If eye irritation persists, consult a specialist.
- If swallowed : Gently wipe or rinse the inside of the mouth with water.
Call a physician immediately.
Never give anything by mouth to an unconscious person.
Do not give milk or alcoholic beverages.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : Nausea
Vomiting
Central nervous system depression

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4.3 Indication of any immediate medical attention and special treatment needed

Treatment : The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.

SECTION 5: Firefighting measures**5.1 Extinguishing media**

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Warning: water promotes the spread of fire.
Cool containers/tanks with water spray.
Burning produces irritant fumes.
The pressure in sealed containers can increase under the influence of heat.
Exposure to decomposition products may be a hazard to health.

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
Use personal protective equipment. Exposure to decomposition products may be a hazard to health.

Further information : Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions : Refer to protective measures listed in sections 7 and 8.
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
Remove all sources of ignition.
Ensure adequate ventilation.
Keep people away from and upwind of spill/leak.

6.2 Environmental precautions

Environmental precautions : Do not allow contact with soil, surface or ground water.
Local authorities should be advised if significant spillages cannot be contained.
Retain and dispose of contaminated wash water.
Prevent spreading over a wide area (e.g. by containment or oil barriers).

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6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Sweep up and shovel into suitable containers for disposal. Clean contaminated surface thoroughly.

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Advice on safe handling : Provide sufficient air exchange and/or exhaust in work rooms. Ensure all equipment is electrically grounded before beginning transfer operations. Avoid inhalation, ingestion and contact with skin and eyes. Keep away from fire, sparks and heated surfaces. Keep container closed when not in use.

Advice on protection against fire and explosion : Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Keep away from heat and sources of ignition.

Hygiene measures : Store personal protection equipment in a clean location away from the work area. Keep working clothes separately.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Do not store together with explosives, gases, oxidizing solids, products which form flammable gases in contact with water, oxidizing products, infectious products and radioactive products.

7.3 Specific end use(s)

Specific use(s) : Consult the technical guidelines for the use of this substance/mixture.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters**

Contains no substances with occupational exposure limit values.

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Low boiling point naphtha - unspecified : End Use: Workers
Exposure routes: Skin contact
Potential health effects: Long-term exposure, Systemic effects

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	Value: 25 mg/kg
	End Use: Workers
	Exposure routes: Inhalation
	Potential health effects: Long-term exposure, Systemic effects
	Value: 150 mg/m ³
	End Use: Consumers
	Exposure routes: Skin contact
	Potential health effects: Long-term exposure, Systemic effects
	Value: 11 mg/kg
	End Use: Consumers
	Exposure routes: Inhalation
	Potential health effects: Long-term exposure, Systemic effects
	Value: 32 mg/m ³
	End Use: Consumers
	Exposure routes: Ingestion
	Potential health effects: Long-term exposure, Systemic effects
	Value: 11 mg/kg
aromatic hydrocarbons, C9-12, benzene distn.	: End Use: Workers
	Exposure routes: Skin contact
	Potential health effects: Long-term systemic effects
	Value: 25 mg/kg
	End Use: Workers
	Exposure routes: Inhalation
	Potential health effects: Long-term systemic effects
	Value: 150 mg/m ³
	End Use: Consumers
	Exposure routes: Skin contact
	Potential health effects: Long-term systemic effects
	Value: 11 mg/kg
	End Use: Consumers
	Exposure routes: Inhalation
	Potential health effects: Long-term systemic effects
	Value: 32 mg/m ³
	End Use: Consumers
	Exposure routes: Ingestion
	Potential health effects: Long-term systemic effects
	Value: 11 mg/kg
Hydrocarbons, C9, aromatics	: End Use: Workers
	Exposure routes: Skin contact
	Potential health effects: Long-term systemic effects
	Value: 25 mg/kg
	End Use: Workers
	Exposure routes: Inhalation
	Potential health effects: Long-term systemic effects
	Value: 150 mg/m ³
	End Use: Consumers
	Exposure routes: Skin contact
	Potential health effects: Long-term systemic effects
	Value: 11 mg/kg
	End Use: Consumers
	Exposure routes: Inhalation
	Potential health effects: Long-term systemic effects
	Value: 32 mg/m ³

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8.2 Exposure controls**Engineering measures**

Use only appropriately classified electrical equipment and powered industrial trucks.

Personal protective equipment

Eye protection : Safety glasses with side-shields conforming to EN166
Ensure that eyewash stations and safety showers are close to the workstation location.
Do not wear contact lenses.

Hand protection

Material : Polyvinyl alcohol or nitrile- butyl-rubber gloves
Remarks : Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Material : Protective gloves complying with EN 374.

Skin and body protection : Workers should wear antistatic footwear.
Remove and wash contaminated clothing before re-use.
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.
Respiratory protection complying with EN 141.

Filter type : Organic vapour type (A)

Protective measures : Ensure that eye flushing systems and safety showers are located close to the working place.
Do not wear contact lenses.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Appearance : liquid

Colour : yellow

Odour : characteristic

pH : Not applicable

Melting point/freezing point : lower -15 °C

Boiling point/boiling range : 14 0 - 218 °C

Flash point : 65 °C
Method: calculated

Upper explosion limit : 7 %(V)

Lower explosion limit : 1 %(V)

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Relative vapour density : upper 1(Air = 1.0)

Density : 1.000 g/l (20 °C)

Solubility(ies)

Water solubility : immiscible

Partition coefficient: n-octanol/water : No data available

9.2 Other information

No data available

SECTION 10: Stability and reactivity**10.1 Reactivity**

No decomposition if stored and applied as directed.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactionsHazardous reactions : Keep away from oxidizing agents, strongly acid or alkaline materials and amines.
Vapours may form explosive mixture with air.**10.4 Conditions to avoid**

Conditions to avoid : No decomposition if used as directed.

10.5 Incompatible materialsMaterials to avoid : Strong acids and strong bases
Strong oxidizing agents
Strong reducing agents
Alkali metals
Alkaline earth metals**10.6 Hazardous decomposition products**Hazardous decomposition products : Stable under recommended storage conditions.
Heating can release vapours which can be ignited.
Burning produces noxious and toxic fumes.
Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.

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SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute toxicity****Product:**

Acute oral toxicity : Remarks: No data available

Components:**Low boiling point naphtha - unspecified:**Acute dermal toxicity : LD50 (Rabbit, male and female): > 3.160 mg/kg
Method: OECD Test Guideline 402**Skin corrosion/irritation****Product:**

Remarks: No data available

Components:**Low boiling point naphtha - unspecified:**Species: Rabbit
Method: OECD Test Guideline 404
Result: No skin irritation
GLP: yes**Serious eye damage/eye irritation****Product:**

Remarks: No data available

Components:**Low boiling point naphtha - unspecified:**Species: Rabbit
Method: OECD Test Guideline 405
Result: No eye irritation
GLP: yes**Respiratory or skin sensitisation****Product:**

Remarks: No data available

Components:**Low boiling point naphtha - unspecified:**Test Type: Maximisation Test
Exposure routes: Dermal
Species: Guinea pig
Method: OECD Test Guideline 406

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Result: Does not cause skin sensitisation.

Germ cell mutagenicity**Carcinogenicity****Reproductive toxicity****STOT - single exposure****STOT - repeated exposure****Repeated dose toxicity****Product:**

Remarks: No data available

Aspiration toxicity**Components:****Low boiling point naphtha - unspecified:**

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

Further information**Product:**

Remarks: No data available

SECTION 12: Ecological information**12.1 Toxicity****Product:**

Toxicity to fish : Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates : Remarks: No data available

Components:**Low boiling point naphtha - unspecified:**Toxicity to fish : LL50 (Fish): 9,2 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203
GLP: yesToxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 3,2 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202
GLP: yes

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata): 2,6 mg/l

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Exposure time: 72 h
Method: OECD Test Guideline 201
GLP: yes

12.2 Persistence and degradability**Product:**

Biodegradability : Remarks: No data available

Components:**Low boiling point naphtha - unspecified:**Biodegradability : Result: Readily biodegradable
Method: OECD Test Guideline 301F**12.3 Bioaccumulative potential****Product:**

Bioaccumulation : Remarks: No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment**Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

12.6 Other adverse effects

No data available

SECTION 13: Disposal considerations**13.1 Waste treatment methods**Product : Do not dispose of with domestic refuse.
The product should not be allowed to enter drains, water courses or the soil.
Container hazardous when empty.
Dispose of in accordance with local regulations.
Can be incinerated, when in compliance with local regulations.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport information**14.1 UN number**

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ADR/RID/ADN : U N 3082**IMDG** : U N 3082**IATA** : U N 3082**14.2 UN proper shipping name****ADR/RID/ADN** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.
(Solvent naphtha)**IMDG** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.
(Solvent naphtha)**IATA** : Environmentally hazardous substance, liquid, n.o.s.
(Solvent naphtha)**14.3 Transport hazard class(es)****ADR/RID/ADN** : 9**IMDG** : 9**IATA** : 9**14.4 Packing group****ADR/RID/ADN**

Packing group : I II

Classification Code : M6

Hazard Identification Number : 90

Labels : 9

Remarks : ADR: These substances when carried in single or combination packagings containing a net quantity per single or inner packaging of 5 l or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids, are not subject to any other provisions of ADR provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

IMDG

Packing group : I II

Labels : 9

EmS Code : F-A, S-F

Remarks : IMDG: Marine pollutants packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 l or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids are not subject to any other provisions of this Code relevant to marine pollutants provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8. In the case of marine pollutants also meeting the criteria for inclusion in another hazard class all provisions of this Code relevant to any additional hazards continue to apply.

IATA

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Packing instruction (cargo aircraft)	: 964
Packing instruction (passenger aircraft)	: 964
Packing group	: I II
Labels :	9
Remarks	: IATA: These substances when transported in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass of 5 kg or less for solids, are not subject to any other provisions of these Regulations provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

14.5 Environmental hazards
ADR/RID/ADN

Environmentally hazardous : ye s

IMDG

Marine pollutant : ye s

14.6 Special precautions for user

Not applicable

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

Not applicable for product as supplied.

SECTION 15: Regulatory information
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Xylene, mixture of isomers

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

		Quantity 1	Quantity 2
E2	ENVIRONMENTAL HAZARDS	200 t	500 t
34	Petroleum products: (a) gasolines and naphthas,	2.500 t	25.000 t

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(b) kerosenes (including jet fuels), (c) gas oils (including diesel fuels, home heating oils and gas oil blending streams),(d) heavy fuel oils

15.2 Chemical safety assessment

Not applicable

SECTION 16: Other information**Full text of H-Statements**

H226 : Flammable liquid and vapour.
H304 : May be fatal if swallowed and enters airways.
H335 : May cause respiratory irritation.
H336 : May cause drowsiness or dizziness.
H411 : Toxic to aquatic life with long lasting effects.

Full text of other abbreviations

Aquatic Chronic : Chronic aquatic toxicity
Asp. Tox. : Aspiration hazard
Flam. Liq. : Flammable liquids
STOT SE : Specific target organ toxicity - single exposure

Further information

Training advice : Provide adequate information, instruction and training for operators.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.