

Safety data sheet

According to 1907/2006/EC, article 31

Printing date: 2015-09-23

Version: 5EN

Revision: 2014-11-21

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

1.1 Product identifier

. Product name : A155

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

- . Use of the Substance/Mixture: vacuum pump lubricant
- . Recommended restrictions on use: Restricted to professional users.

1.3 Details of the supplier of the safety data sheet

.The supplier :
adixen Vacuum Products
98 avenue de BROGNY
BP 2069
74009 ANNECY CEDEX
FRANCE
Téléphone :+(33) 04 50 65 77 77
Fax :+(33) 04 50 65 77 89
Email : support-service@adixen.fr

1.4 Emergency telephone number

. Emergency phone nr : Tel 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)
Skin sensitisation, Category 1 : H317: May cause an allergic skin reaction.
Chronic aquatic toxicity, Category 3 : H412: Harmful to aquatic life with long lasting effects.

. Classification (67/548/EEC, 1999/45/EC)
Dangerous for the environment
H412: Harmful to aquatic life with long lasting effects.
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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2.2 Label elements

. Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



. Signal word : Warning

. Hazard statements :

H317 : May cause an allergic skin reaction.

H412 : Harmful to aquatic life with long lasting effects.

. Precautionary statements

Prevention:

P261 : Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P273 : Avoid release to the environment.

P280 : Wear protective gloves/ protective clothing.

Response:

P333 + P313 : If skin irritation or rash occurs: Get medical advice/ attention.

P362 + P364 : Take off contaminated clothing and wash it before reuse.

Disposal:

P501 : Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:

• 90-30-2 N-1-naphthylaniline

2.3 Other hazards

No information available.

Do not handle until all safety precautions have been read and understood.

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SECTION 3 : Composition/information on ingredients

3.2 Mixtures

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
N-1-naphtylaniline	90-30-2 201-983-0	Xn; R22-R48/22 Xi; R43 N; R50/53	Acute Tox. 4; H302 Skin Sens. 1; H317 STOT RE 2; H373 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 0,25 - < 1
diphénylamine	122-39-4 204-539-4	T; R23/24/25 R33 N; R50-R53	Acute Tox. 3; H331 Acute Tox. 3; H311 Acute Tox. 3; H301 STOT RE 2; H373 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	< 0,25

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

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SECTION 4 : First aid measures

4.1 Description of first aid measures

- . General advice : No hazards which require special first aid measures.
- . If inhaled : Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. If symptoms persist, call a physician.
- . In case of skin contact : Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.
- . In case of eye contact : Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
- . If swallowed : Clean mouth with water and drink afterwards plenty of water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

- . Symptoms : Sensitisation

4.3 Indication of any immediate medical attention and special treatment needed

- . Treatment : For specialist advice physicians should contact the Poisons Information Service.

SECTION 5 : Firefighting measures

5.1 Extinguishing media

- . Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

- . Specific hazards during fire fighting : Burning produces noxious and toxic fumes.

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5.3 Advice for firefighters

- . Special protective equipment for fire-fighter : In the event of fire, wear self-contained breathing apparatus.
- . Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6 : Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- . Personal precautions : Use personal protective equipment.

6.2. Environmental precautions

- . Environmental precautions : If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and materials for containment and cleaning up

- . Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

- . Refer to protective measures listed in sections 7 and 8.

SECTION 7 : Handling and storage

7.1 Precautions for safe handling

- . Advice on safe handling : For personal protection see section 8. Dispose of rinse water in accordance with local and national regulations.
- . Advice on protection against fire and explosion : Normal measures for preventive fire protection.

7.2 Conditions for storage, including incompatibilities

- . Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place.
- . Other data : No decomposition if stored and applied as directed.

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7.3 Specific end use(s)

. Specific use(s) : Raw material for industry

SECTION 8 : Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

. Engineering measures : Effective exhaust ventilation system. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protective equipment

. Respiratory protection : Breathing apparatus needed only when aerosol or mist is formed. Respirator with filter for organic vapour.

. Hand protection : Polyvinyl alcohol or nitrile- butyl-rubber gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Before removing gloves clean them with soap and water.

. Eye protection : Eye wash bottle with pure water Tightly fitting safety goggles.

. Skin and body protection : impervious clothing. Choose body protection according to the amount and concentration of the dangerous substance at the work place.

. Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

. Environmental exposure controls : General advice : If the product contaminates rivers and lakes or drains inform respective authorities.

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SECTION 9 : Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid
Colour : yellow
Odour : characteristic
Odour Threshold : No information available.
Flash point : 250 °C
Ignition temperature : No information available.
Lower explosion limit : No information available.
Upper explosion limit : No information available.
Flammability (solid, gas) : No information available
Autoignition temperature : No information available
pH : No information available
Vapour pressure : No information available
Density : 0,957 g/cm³
Water solubility : No information available
Partition coefficient: n- octanol/water : No information available
Solubility in other solvents : No information available
Viscosity, dynamic : 93,5 mPa.s at 40 °C
Relative vapour density : Relative vapour density
Evaporation rate : No information available.

9.2 Other information

. Oxidising potential : Note: No information available.

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SECTION 10 : Stability and reactivity

10.1 Reactivity

. Stable under recommended storage conditions.

10.2 Chemical stability

. No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

. Hazardous reactions : Note: No decomposition if used as directed.

10.4 Conditions to avoid

. Conditions to avoid : Exposure to moisture. Contamination

10.5 Incompatible materials

. Materials to avoid : Acids ; Bases ; Oxidizing agents

10.6 Hazardous decomposition products

. Hazardous decomposition products : Carbon oxides ; nitrogen oxides (NOx)

SECTION 11 : Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity : Remarks: Not classified due to lack of data.

Acute oral toxicity

N-1-naphthylaniline : LD50: 1.625 mg/kg

Species: rat

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Diphenylamine : LD50: > 1.500 mg/kg Species: rat
Acute inhalation toxicity : Remarks: Not classified due to lack of data.
Acute dermal toxicity : Remarks: Not classified due to lack of data.
Acute dermal toxicity N-1-naphthylaniline : LD50 Dermal: > 5.000 mg/kg Species: rabbit
Diphenylamine Acute toxicity estimate: 300 mg/kg
Method: Converted acute toxicity point estimate
LD50: > 2.000 mg/kg Species: rabbit

. Skin corrosion/irritation
Skin irritation: Remarks: Not classified due to lack of data.

Skin irritation
N-1-naphthylaniline :Species:rabbit
Diphenylamine
Result: No skin irritation Method: Draize
Test: Species: rabbit
Result: Mild skin irritation

Serious eye damage/eye irritation
Eye irritation : Remarks: Not classified due to lack of data.
Eye irritation
N-1-naphthylaniline :Species:rabbit
Result: No eye irritation
Method: OECD Test Guideline 405
diphenylamine : Species: rabbit
Result: Mild eye irritation

. Respiratory or skin sensitization
Sensitisation : Remarks: May cause sensitisation by skin contact.
Sensitisation
N-1-naphthylaniline : aximisation Test (GPMT)
Species: guinea pig
Classification: May cause sensitisation by skin contact. Result: May cause sensitisation by skin contact.
Patch Test
Species: Human
Classification: May cause sensitisation by skin contact. Result: The product is a skin sensitiser, sub-category 1A.
Diphenylamine Species: guinea pig
Result: Does not cause skin sensitisation.

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Germ cell mutagenicity N-1-naphthylaniline
Ames test Result: negative
Chinese Hamster Ovary (CHO) Result: negative

Genotoxicity in vivo N-1-naphthylaniline
in vivo assay Species: mouse Result: negative

Mutagenicity Assessment
Remarks : Not classified due to lack of data.

Carcinogenicity Assessment
Remarks : Not classified due to lack of data.

Reproductive toxicity Assessment
Remarks : Not classified due to lack of data.

Target Organ Systemic Toxicant - Single exposure
Remarks: Not classified due to lack of data.

Target Organ Systemic Toxicant - Repeated exposure
diphenylamine
Species: mouse, male Application Route: Oral
Target Organs: Blood, Liver, Kidney Exposure time: (90 d) NOEL: 1,7 mg/kg
Lowest observable effect level: 93,8 mg/kg
Species: mouse, female
Application Route: Oral
Target Organs: Blood, Liver, Kidney Exposure time: (90 d) NOEL: 2,1 mg/kg
Lowest observable effect level: 107 mg/kg Remarks: Not classified due to lack of data.

Aspiration Hazard : Aspiration toxicity : No aspiration toxicity classification

Toxicology Assessment : Further information : No data is available on the product itself.

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SECTION 12 : Ecological information

12.1 Toxicity

Toxicity to fish : Remarks : no data available

Toxicity to fish

N-1-naphthylaniline : LC50: 0,44 mg/l Exposure time: 96 h

Species: Oncorhynchus mykiss (rainbow trout) semi-static test Analytical monitoring: yes

Diphenylamine : LC50: 2,2 mg/l Exposure time: 96 h

Species: Oncorhynchus mykiss (rainbow trout)

Toxicity to daphnia and other aquatic invertebrates. (Chronic toxicity) N-1-naphthylaniline :

NOEC: 0,02 mg/l

Exposure time: 21 d

Species: Daphnia magna (Water flea) Analytical monitoring: yes

12.2 Persistence and degradability

. Biodegradability: Result: no data available

. Biodegradability N-1-naphthylaniline: aerobic

Result: According to the results of tests of biodegradability this product is not readily biodegradable. 0%

Method: OECD Test Guideline 301

12.3 Bioaccumulative potential

. Bioaccumulation : no data available

. Bioaccumulation N-1-naphthylaniline : Species: Cyprinus carpio (Carp)

Exposure time: 56 d

Temperature: 25 °C

Concentration: 0,1 mg/l

Bioconcentration factor (BCF): 427 - 2.730

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12.4 Mobility in soil

. no data available

12.5 Results of PBT and vPvB assessment

. This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

12.6 Other adverse effects

. Additional ecological information : The product itself has not been tested.
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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SECTION 13 : Disposal considerations

13.1 Waste treatment methods

- . Product : The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container.
- Offer surplus and non-recyclable solutions to a licensed disposal company.

13.2. Contaminated packaging

- . Contaminated packaging : Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

SECTION 14 : Transport information

14.1 UN-Number

- . ADR : not regulated
- . IATA : not regulated
- . IMDG : not regulated
- . RID : not regulated

14.2 UN proper shipping name

- . ADR : not regulated
- . IATA : not regulated
- . IMDG : not regulated
- . RID : not regulated

14.3 Transport hazard class(es)

- . ADR : not regulated
- . IATA : not regulated
- . IMDG : not regulated
- . RID : not regulated

14.4 Packing group

- . ADR : not regulated
- . IATA : not regulated

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- . IMDG : not regulated
- . RID : not regulated

14.5 Environmental hazards

- . not regulated

14.6 Special precautions for user

- . not regulated

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

- . not regulated

SECTION 15 : Regulatory information

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

- . Candidate List of Substances of Very High Concern for Authorisation : This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).
- . Major Accident Hazard Legislation : 96/82/EC Update: 2003 Directive 96/82/EC does not apply
- . Water contaminating class (Germany) : WGK 1 slightly water endangering self classification
- . Notification status

US.TSCA : Not On TSCA Inventory

DSL : This product contains the following components that are not on the Canadian DSL nor NDSL lists.

AICS : Not in compliance with the inventory

NZIoC : Not in compliance with the inventory

ENCS : Not in compliance with the inventory

KECI : Not in compliance with the inventory

PICCS : Not in compliance with the inventory

IECSC : Not in compliance with the inventory

CH INV : The formulation contains substances listed on the Swiss Inventory

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15.2 Chemical Safety Assessment

. No information available.

SECTION 16 : Other information

Full text of R-phrases referred to under sections 2 and 3

R22 Harmful if swallowed.

R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

R33 Danger of cumulative effects.

R43 May cause sensitization by skin contact.

R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.

R50 Very toxic to aquatic organisms.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R53 May cause long-term adverse effects in the aquatic environment.

Full text of H-Statements referred to under sections 2 and 3

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H311 Toxic in contact with skin.

H317 May cause an allergic skin reaction.

H331 Toxic if inhaled.

H373 May cause damage to organs through prolonged or repeated exposure if swallowed.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

Sources

Safety data sheet of the supplier

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Other

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.