

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 30.07.2020

Version number 15

Revision: 12.03.2020

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

Trade name	n-Dodecane 95%
Article number:	205540
CAS Number:	112-40-3
EC number:	203-967-9
Registration number	01-2119486573-28-0000

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

Identified uses	Manufacture of substance - Industrial Distribution of substance - Industrial Formulation & (re)packing of substances and mixtures - Industrial Use in Coatings - Industrial Use in Coatings - Professional Metal working fluids / rolling oils - Industrial Use as a Fuel - Consumer Other Consumer Uses - Consumer Use in Laboratories - Industrial Use in Laboratories - Professional Rubber production and processing - Industrial Polymer processing - Industrial
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Application of the substance / the mixture

Solvents

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:	Haltermann Carless Deutschland GmbH Schlengendeich 17 D-21107 Hamburg, Germany Tel.: +49 40 333 18 0 E-mail: MSDS-HCDE@h-c-s-group.com
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Informing department:	Product Stewardship
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1.4 Emergency telephone number:

CHEMTREC +1 703-741-5970 / +44 870 8200418

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

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

2.2 Label elements**Labelling according to****Regulation (EC) No 1272/2008**

The substance is classified and labelled according to the CLP regulation.

Hazard pictograms

GHS08

Signal word

Danger

Hazard-determining components of labelling:

dodecane

Hazard statements

H304 May be fatal if swallowed and enters airways.

Precautionary statements

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

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P331 Do NOT induce vomiting.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/
international regulations.

Additional information: EUH066 Repeated exposure may cause skin dryness or cracking.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.1 Substances

CAS No. Designation: 112-40-3 dodecane

Identification number(s):

EC number: 203-967-9

SECTION 4: First aid measures

4.1 Description of first aid measures

After inhalation Supply fresh air; consult doctor in case of symptoms.

After skin contact The product is not skin irritating.

After eye contact Rinse opened eye for several minutes under running water.

After swallowing Do not induce vomiting; instantly call for medical help.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

Danger Aspiration hazard

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol-resistant foam.

5.2 Special hazards arising from the substance or mixture

The vapour is heavier than air, spreads along the ground and distant ignition is possible.

5.3 Advice for firefighters

Protective equipment: No special measures required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Not required.

6.2 Environmental precautions: No special measures required.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of contaminated material as waste according to item 13.

6.4 Reference to other sections See Section 7 for information on safe handling

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See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe

handling No special measures required.

Information about protection

against explosions and fires: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by

storerooms and containers: No special requirements.

Information about storage in one

common storage facility: Not required.

Further information about

storage conditions: None.

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about

design of technical systems: No further data; see item 7.

8.1 Control parameters

Components with critical values

that require monitoring at the

workplace: Not required.

DNELs Not required.

PNECs Not required.

Additional information: The lists that were valid during the compilation were used as basis.

8.2 Exposure controls

Personal protective equipment

General protective and hygienic

measures

Keep lamps filled with this liquid out of the reach of children.

Just a sip of lamp oil - or even sucking the wick of lamps - may lead to life-threatening lung damage.

Keep away from foodstuffs, beverages and food.

Wash hands during breaks and at the end of the work.

Do not ingest.

Breathing equipment: Not required.

Protection of hands: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Nitrile rubber, NBR

> 0,38 mm

Penetration time of glove

material > 480 min (EN 374)

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Eye protection: Safety glasses recommended during refilling.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:	Fluid
Colour:	Colourless
Smell:	Mild
Odour threshold:	Not determined.
pH-value:	Not determined.

Change in condition

Melting point/freezing point:	-12 °C
Initial boiling point and boiling range:	216 °C

Flash point: 71 °C

Inflammability (solid, gaseous) Not applicable.

Ignition temperature: 200 °C

Decomposition temperature: Not determined.

Self-inflammability: Not determined.

Explosive properties: Product is not explosive.

Critical values for explosion:

Lower:	0.6 Vol %
Upper:	6.5 Vol %

Vapour pressure: Not determined.

Density at 20 °C 0.749 g/cm³

Relative density Not determined.

Vapour density Not determined.

Evaporation rate Not determined.

Solubility in / Miscibility with

Water: Not miscible or difficult to mix

Partition coefficient: n-octanol/water: Not determined.

Viscosity:

dynamic: Not determined.

kinematic: Not determined.

9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability

Conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

No dangerous reactions known

10.4 Conditions to avoid No further relevant information available.

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10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: Carbon monoxide

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values that are relevant for classification:

112-40-3 dodecane

Oral LD50 >5,000 mg/kg (rat) (OECD 401)

Dermal LD50 >5,000 mg/kg (rabbit) (OECD 402)

Primary irritant effect:

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

Additional ecological information:

General notes: Water hazard class 1 (Assessment by list): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

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SECTION 14: Transport information

14.1 UN-Number	
ADR, ADN, IMDG, IATA	Void
14.2 UN proper shipping name	
ADR, ADN, IMDG, IATA	Void
14.3 Transport hazard class(es)	
ADR, ADN, IMDG, IATA	
Class	Void
14.4 Packing group	
ADR, IMDG, IATA	Void
14.5 Environmental hazards:	
Marine pollutant:	No
14.6 Special precautions for user	Not applicable.
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
UN "Model Regulation":	Void

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
TSCA (Toxic Substances Control Act)

: ACTIVE

Canadian Domestic Substances List (DSL)

Substance is listed.

Philippines Inventory of Chemicals and Chemical Substances (PICCS)

Substance is listed.

Chinese Chemical Inventory of Existing Chemical Substances (IECSC)

Substance is listed.

Australian Inventory of Chemical Substances (AICS)

Substance is listed.

Korean Existing Chemical Inventory (KECI)

Substance is listed.

New Zealand Inventory of Chemicals (NZIoC)

Substance is listed.

Japan Existing and New Chemical Substance List (ENCS)

Substance is listed.

Directive 2012/18/EU
Named dangerous substances -
ANNEX I Substance is not listed.

REGULATION (EC) No 1907/2006
ANNEX XVII Conditions of restriction: 3

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15.2 Chemical safety assessment:

A Chemical Safety Assessment has been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Asp. Tox. 1: Aspiration hazard – Category 1

* Data compared to the previous
version altered.

Annex: Exposure scenario

Short title of the exposure scenario

The hazard statement H304 (May be fatal if swallowed and enters airways) relates to potential for aspiration, a non-quantifiable hazard determined by physico-chemical properties. The risk can therefore be controlled by implementing risk management measures tailored to this specific hazard and included within this SDS.