

Safety data sheet

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

1.1. Product identifier

Code: OCARE/P
Product name: VL3D VETRO LIQUIDO CATALIZZATORE 100-60 BA COMP. B

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

Intended use: Transparent paint

1.3. Details of the supplier of the safety data sheet

Name: NIKKOLOR ITALIA s.r.l.
Full address: VIA ALBANI, 2
District and Country: 96014 FLORIDIA (SR)
IT
tel. +39 0931 1623959

e-mail address of the competent person

responsible for the Safety Data Sheet: nikkolor@gmail.com

1.4. Emergency telephone number

For urgent inquiries refer to: +39 0931 1623959

SECTION 2. Hazards identification.


2.1. Substance or mixture classification

EC Regulation Regulation 1272/2008 (CLP):

Attention, Acute  Tox. 4, Harmful if inhaled.

Danger, Skin Corr. 1B,  It causes serious skin burns and serious eye injuries.

Danger, Eye Dam. 1,  Causes serious eye damage.

Caution, Skin Sens.  1, May cause an allergic skin reaction.

Aquatic Chronic 3, Harmful to aquatic life with long lasting effects.

Physico-chemical effects harmful to human health and the environment:

No other danger

2.2. Elements of the label

Hazard pictograms:



Danger
 Indications of Danger:
 H332 Harmful if inhaled.
 H314 Causes severe skin burns and eye damage.
 H317 May cause an allergic skin reaction.
 H412 Harmful to aquatic life with long lasting effects.
 Prudence Advice:
 P273 Do not disperse in the environment.
 P280 Wear protective clothing and protect face.
 P301 + P330 + P331 IN CASE OF INGESTION: rinse mouth. DO NOT induce vomiting.
 P303 + P361 + P353 IN CASE OF CONTACT WITH SKIN (or hair): remove all contaminated clothing immediately. Rinse the parts of the body coming into contact with the product.
 P305 + P351 + P338 IN CASE OF CONTACT WITH EYES: Rinse thoroughly for several minutes. Remove any contact lenses if it is easy to do. Continue to rinse.
 P310 Immediately call a POISON CENTER or doctor if you feel unwell.
 P312.C Call a POISON CENTER or doctor if you feel unwell.
 Special provisions:
 None
 It Contains
 BENZYL ALCOHOL
 3-aminomethyl-3,5,5-trimethylcyclohexylamine
 Special provisions according to Annex XVII of REACH and subsequent amendments:
 None

2.3. Other dangers
 VPvB Substances: None - PBT Substances: None
 Other hazards:
 No other danger









SECTION 3. Composition / information on ingredients.

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components according to the CLP Regulation and related classification:

Qty	Name	Identification number	Classification
≥ 60% - < 70%	BENZYL ALCOHOL	CAS: 100-51-6	 3.1/4/Oral Acute Tox. 4 H302
		EC: 202-859-9	 3.1/4/Inhal Acute Tox. 4 H332
			 3.3/2 Eye Irrit. 2 H319
≥ 30% - < 40%	3-aminomethyl-3,5,5-trimethylcyclohexylamine	Number Index: 612-067-00-9	 3.1/4/Dermal Acute Tox. 4 H312
		CAS: 2855-13-2	 3.2/1B Skin Corr. 1B H314
		EC: 220-666-8	 3.3/1 Eye Dam. 1 H318
			 3.4.2/1 Skin Sens. 1 H317  4.1/C3 Aquatic Chronic 3 H412

SECTION 4. First aid measures.

4.1. Description of first aid measures

In case of contact with the skin:

Remove contaminated clothing immediately.

CONSULT A DOCTOR IMMEDIATELY.

Remove contaminated clothing immediately and dispose of it safely.

In case of contact with skin, wash immediately with plenty of water and soap.

In case of eye contact:

In case of contact with eyes, rinse them with water for an appropriate period of time and keep the eyelids open, then immediately consult an ophthalmologist.

Protect the unharmed eye.

In case of ingestion:

DO NOT induce vomiting.

In case of inhalation:

In case of irregular or absent breathing, perform artificial respiration.

In case of inhalation consult a doctor immediately and show him the package or the label.

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

Nobody

4.3. Indication of any need to immediately consult a doctor and special treatments

In case of accident or if you feel unwell, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

Symptomatic treatment.

SECTION 5. Firefighting measures.

5.1. Fire fighting

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons:

No one in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale the gases produced by the explosion and combustion.

Combustion produces heavy smoke.

5.3. Recommendations for firefighters

Use appropriate respiratory equipment.

Collect the contaminated water used to extinguish the fire separately. Do not discharge it into the sewage system.

If it is feasible from a safety point of view, move undamaged containers from the immediate danger area.

SECTION 6. Measures in case of accidental release.

6.1. Personal precautions, protective equipment and procedures in case of emergency

Wear personal protective equipment.

Wear respiratory equipment when exposed to vapors / powders / aerosols.

Provide adequate ventilation.

Use adequate respiratory protection.

Consult the protective measures described in points 7 and 8.

6.2. Environmental precautions

Prevent penetration into the soil / subsoil. Preventing run-off into surface water or into the sewage system.

Keep contaminated washing water and eliminate it.

In case of gas leak or penetration into watercourses, soil or drains, inform the responsible authorities.

Suitable material for collection: absorbent, organic material, sand

6.3. Methods and materials for containment and remediation

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7. Handling and storage.

7.1. Precautions for Safe Handling

Avoid contact with skin and eyes, inhalation of vapors and mists.

Use the localized ventilation system.

Do not use empty containers before they have been cleaned.
Before transfer operations make sure that there are no incompatible residues in the containers.
Contaminated clothing must be replaced before access to the dining areas.
At work do not eat or drink.
Please also refer to paragraph 8 for recommended protective devices.
7.2. Conditions for safe storage, including any incompatibilities
Keep away from food, drink and feed.
Incompatible materials:
None in particular. See also the following paragraph 10.
Indication for the premises:
Properly ventilated rooms.
7.3. Specific end uses
No particular use

SECTION 8. Exposure controls/personal protection.

8.1. Control parameters

No occupational exposure limits are available

DNEL exposure limit values

BENZYL ALCOHOL - CAS: 100-51-6

Industrial worker: 47 mg / kg bw / day - Exposure: Human Cutaneous - Frequency: Short term, systemic effects

Industrial worker: 450 mg / m³ - Exposure: Human Inhalation - Frequency: Short term, systemic effects

Industrial worker: 9.5 mg / kg bw / day - Exposure: Human Dermal - Frequency: Long term, systemic effects

Industrial worker: 90 mg / m³ - Exposure: Human Inhalation - Frequency: Short term, systemic effects

Consumer: 28.5 mg / kg - Exposure: Human Dermal - Frequency: Short term, systemic effects

Consumer: 40.55 mg / m³ - Exposure: Human Inhalation - Frequency: Short term, systemic effects

Consumer: 25 mg / kg bw / day - Exposure: Human Oral - Frequency: Short term, systemic effects

Consumer: 5.7 mg / kg bw / day - Exposure: Human Cutaneous - Frequency: Long term, systemic effects

Consumer: 8.11 mg / m³ - Exposure: Human Inhalation - Frequency: Long term, systemic effects

Consumer: 5 mg / kg bw / day - Exposure: Human Oral - Frequency: Long term, systemic effects

3-aminomethyl-3,5,5-trimethylcyclohexylamine - CAS: 2855-13-2

Industrial worker: 20.1 mg / m³ - Exposure: Human Inhalation - Frequency: Short term, systemic effects

Industrial worker: 20.1 mg / m³ - Exposure: Human Inhalation - Frequency: Short term, local effects

Consumer: 0.526 mg / kg bw / day - Exposure: Human Oral - Frequency: Long term, systemic effects

PNEC exposure limit values

BENZYL ALCOHOL - CAS: 100-51-6

Target: fresh water - Value: 1 mg / l

Target: Sea water - Value: 0.1 mg / l

Target: occasional emission - Value: 2.3 mg / l

Target: Waste water treatment plant - Value: 39 mg / l

Target: Current water sediment - Value: 5.27 mg / kg

Target: Sediment of sea water - Value: 0.527 mg / kg

Target: soil - Value: 0.456 mg / kg

3-aminomethyl-3,5,5-trimethylcyclohexylamine - CAS: 2855-13-2

Target: fresh water - Value: 0.06 mg / l

Target: Sea water - Value: 0.006 mg / l

Target: occasional emission - Value: 0.23 mg / l

Target: Waste water treatment plant - Value: 3.18 mg / l

Target: Current water sediment - Value: 5.785 mg / kg

Target: Sediment of sea water - Value: 0.578 mg / kg

Target: soil - Value: 1.121 mg / kg

8.2. Exposure controls

Eye protection:

Use safety goggles that comply with the standards to avoid exposure to splashes of liquids, gases or dusts. If contact is made it is possible to use chemical-resistant splash goggles, unless the assessment indicates the need for a higher degree of protection.

Skin protection:

Personal protective equipment for the body must be chosen according to the risks expected for the task performed and approved by qualified personnel before their use for handling. Use suitable protective clothing.

Hand protection:

Use protective gloves that guarantee total protection, for example in PVC, neoprene or rubber.

Respiratory protection:

In case of insufficient ventilation use respiratory equipment. The choice of respirator must be based on known or anticipated exposure levels, the risks of the product and the safe functioning limits of the chosen respirator.

Thermal risks:

Nobody

Environmental exposure controls:

Nobody

Suitable technical checks:

Nobody

SECTION 9. Physical and chemical properties.

9.1. Information on basic physical and chemical properties

Property	Value	Method:	Note:
Appearance and color:	liquid, light yellow	--	--
Smell:	Light	--	--
Odor threshold:	Not relevant	--	--
pH:	Not relevant	--	--
Melting / freezing point:	Not relevant	--	--
Initial boiling point and boiling range:	Not relevant	--	--
Flash point:	74 + _3.7 ° C	EN ISO 2719	Closed jar
Evaporation rate:	Not relevant	--	--
Solid / gas flammability:	Not relevant	--	--
Upper / lower flammability or explosion limit:	Not relevant	--	--
Steam pressure:	Not relevant	--	--
Vapor density:	Not relevant	--	--
Relative density:	1.02 + _0.05 kg / l	--	--
Water solubility:	Not relevant	--	--
Solubility in oil:	Not relevant	--	--
Partition coefficient (n-octanol / water):	Not relevant	--	--
Auto-ignition temperature:	Not relevant	--	--
Decomposition temperature:	Not relevant	--	--
Viscosity:	400 mPas	--	Brookfield
Explosive properties:	Not relevant	--	--
Oxidizing properties:	Not relevant	--	--

9.2. Other information

Property	Value	Method:	Note:
Miscibility:	In organic compounds	--	--
Lipid:	Not relevant	--	--
Conductivity:	Not relevant	--	--
Characteristic properties of the groups of substances	Not relevant	--	--

SECTION 10. Stability and reactivity.

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of dangerous reactions

Nobody

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

None in particular.

10.6. Hazardous decomposition products

Nobody.

SECTION 11. Toxicological information.

11.1. Information on toxicological effects

Toxicological information concerning the product:

N.A.

Toxicological information concerning the main substances present in the product:

BENZYL ALCOHOL - CAS: 100-51-6

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat > 4178 mg / m³ - Duration: 4h - Notes: Inhalation of dust and mist

Test: LD50 - Via: Oral - Species: Male Rat = 1620 mg / kg

b) skin corrosion / irritation:

Test: OECD - Via: Skin - Species: Negative Rabbit

c) Serious eye damage / irritation:

Test: OECD - Via: eyes - Species: Positive Rabbit

d) respiratory or skin sensitization:

Test: Skin sensitization - Via: Skin - Species: Negative guinea pig

e) germ cell mutagenicity:

Test: Negative OECD

f) carcinogenicity:

Test: OECD - Via: Oral - Species: Negative Rat - Duration: 12360

g) reproductive toxicity:

Test: NOAEL - Species: Mouse = 550 mg / kg

i) specific target organ toxicity (STOT) - repeated exposure:

Test: NOAEL = 400 mg / kg - Notes: central nervous system (CNS)

Test: NOAEC - Route: Inhalation = 1072 mg / m³ - Notes: 28 or 14 study days

3-aminomethyl-3,5,5-trimethylcyclohexylamine - CAS: 2855-13-2

a) acute toxicity:

Test: LD50 - Via: Oral - Species: Male Rat = 1030 mg / kg

b) skin corrosion / irritation:

Test: Irritating to skin - Route: Skin - Species: Positive Rabbit

c) Serious eye damage / irritation:

Test: OECD - Via: eyes - Species: Positive Rabbit

d) respiratory or skin sensitization:

Test: OECD - Path: Skin - Species: Positive guinea pig

e) germ cell mutagenicity:

Test: N.A. - Species: Generic Bacteria Negative

Test: NOAEL - Species: female rat > 250 mg / kg

i) specific target organ toxicity (STOT) - repeated exposure:

Test: NOAEL - Species: Rodents = 60 mg / kg - Notes: Target Organs: Kidneys

Unless otherwise specified, the data required by Regulation (EU) 2015/830 indicated below are to be understood as N.A. :

a) acute toxicity;

b) skin corrosion / irritation;

c) Serious eye damage / irritation;

d) respiratory or skin sensitization;

e) germ cell mutagenicity;

f) carcinogenicity;

g) reproductive toxicity;

h) specific target organ toxicity (STOT) - single exposure;

i) specific target organ toxicity (STOT) - repeated exposure;

j) danger in case of aspiration.

SECTION 12. Ecological information.

12.1. Toxicity

Use according to good working practices, avoiding to disperse the product in the environment.

BENZYL ALCOHOL - CAS: 100-51-6

a) Acute aquatic toxicity:

Endpoint: EC50 - Species: Dafnie = 230 mg / l - Duration h: 48

Endpoint: EgC50 - Species: Algae = 770 mg / l - Duration h: 72

Endpoint: LC50 - Species: Fish = 460 mg / l - Duration h: 96

b) Chronic aquatic toxicity:

Endpoint: NOEC - Species: Algae = 310 mg / l - Duration h: 72
Endpoint: NOEC - Species: Dafnie = 51 mg / l - Duration h: 504
3-aminomethyl-3,5,5-trimethylcyclohexylamine - CAS: 2855-13-2
a) Acute aquatic toxicity:
Endpoint: EC50 - Species: Algae = 37 mg / l - Duration h: 72
Endpoint: EC50 - Species: Dafnie = 23 mg / l - Duration h: 48
Endpoint: LC50 - Species: Fish = 110 mg / l - Duration h: 96
c) Toxicity to bacteria:
Endpoint: EC10 - Species: bacteria = 1120 mg / l - Duration h: 18 - Notes: Acute toxicity
12.2. Persistence and degradability
N.A.
12.3. Bioaccumulative potential
N.A.
12.4. Mobility in the soil
N.A.
12.5. Results of the PBT and vPvB assessment
VPvB Substances: None - PBT Substances: None
12.6. Other adverse effects
Nobody

SECTION 13. Disposal considerations.

13.1. Waste treatment methods

Recover if possible. Operate according to local and national regulations.

Additional disposal information:

The generation of waste should be avoided or minimized wherever possible. This product is considered hazardous by the European directive on hazardous waste. Provide for disposal in accordance with applicable national and local regulations. Untreated waste should not be disposed of in the sewage system unless it is fully compliant with the requirements of each institution and the legislation. Spilled, unused, contaminated and similar items must be placed in a fireproof container. The European Waste Code (EWC) is indicated below.

European Waste Catalogu (European Waste Catalog): 08 01 11 *

Waste packaging must be recycled.

Incineration or landfilling should only be considered when recycling is not practicable.

SEZIONE 14. Informazioni sul trasporto.



14.1. UN number

ADR-UN Number: 2289

IATA-UN Number: 2289

IMDG-UN Number: 2289

14.2. UN shipping name

ADR-Shipping Name: ISOFORONDIAMMINA

IATA-Shipping Name: ISOFORONDIAMMINA

IMDG-Shipping Name: ISOFORONDIAMMINA

14.3. Danger classes related to transport

ADR-Class: 8

ADR - Hazard identification number: 80

IATA class: 8

IATA-Label: 8

IMDG class: 8

14.4. Packing group

ADR-Packing Group: III

IATA-Packing group: III

IMDG-Packing group: III
14.5. Dangers for the environment
ADR-Environmental pollutant: No
IMDG-Marine pollutant: No
14.6. Special precautions for users
ADR-Subsidiary risks: -
ADR-S.P .: -
ADR-Transport Category (Tunnel Restriction Code): 3 (E)
IATA-Passenger Aircraft: 852
IATA-Subsidiary risks: -
IATA-Cargo Aircraft: 856
IATA-S.P .: A803
IATA-ERG: 8L
IMDG-EMS: F-A, S-B
IMDG-Subsidiary risks: -
IMDG-Stowage and handling: Category A
IMDG-Segregation: -
14.7. Transport in bulk according to Annex II of MARPOL and the IBC code
N.A.

SECTION 15. Regulatory information.

15.1. Legislative and regulatory provisions on health, safety and environment specific to the substance or mixture
D.Lgs. 9/4/2008 n. 81
D. M. Job 02/26/2004 (Occupational Exposure Limits)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) 2015/830
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Restrictions related to the product or substances contained according to Annex XVII of Regulation (EC) 1907/2006 (REACH) and subsequent amendments:
Restrictions related to the product:
Restriction 3
Restrictions on the substances contained:
No restrictions.
Where applicable, refer to the following regulations:
Ministerial circulars 46 and 61 (aromatic amines).
Directive 2012/18 / EU (Seveso III)
Regulation 648/2004 / EC (Detergents).
D.L. 3/4/2006 n. 152 Environmental regulations
Dir. 2004/42 / EC (VOC Directive)

Provisions relating to EU Directive 2012/18 (Seveso III):
Seveso III category according to Annex 1, Part 1
Nobody

15.2. Evaluation of chemical safety
No chemical safety assessment has been performed for the mixture

SECTION 16. Other information.

Text of the sentences used in paragraph 3:

H302 Harmful if swallowed.

H332 Harmful if inhaled.

H319 Causes serious eye irritation.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

Class and category of danger	Code	Description
Acute Tox. 4	3.1/4/Dermal	Acute toxicity (dermal), Category 4
Acute Tox. 4	3.1/4/Inhal	Acute toxicity (inhalation), Category 4
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Skin Corr. 1B	3.2/1B	Skin corrosion, Category 1B
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Skin Sens. 1	3.4.2/1	Skin sensitization, Category 1
Aquatic Chronic 3	4.1/C3	Chronic (long-term) danger to the aquatic environment, Category 3

The information contained in this safety data sheet is based on our current knowledge and is supplied in compliance with the requirements of the EU and national regulations. The working conditions of the user final results are not our responsibility and control.

The product must not be used for purposes other than those indicated in section 1 without having obtained preventive measures written instructions. We do not take responsibility for improper use.

It is always the responsibility of the user to comply with the rules of hygiene, safety and protection of the environment provided for by the laws in force.

The information contained in this sheet is to be understood as a description of the characteristics of the product for safety purposes: guarantees of the properties of the product itself are not to be considered.

Paragraphs modified with respect to the previous revision:

SECTION 2: identification of hazards

SECTION 4: first aid measures

SECTION 9: physical and chemical properties

SECTION 11: Toxicological information

SECTION 13: Disposal considerations

SECTION 15: regulatory information

SECTION 16: other information

Classification and procedure used to derive it according to Regulation (EC) 1272/2008 [CLP] in relation to the mixtures:

Classification according to regulation (EC) n. 1272/2008	Classification procedure
Acute Tox. 4, H332	Calculation method
Skin Corr. 1B, H314	Calculation method
Eye Dam. 1, H318	Calculation method
Skin Sens. 1, H317	Calculation method
Aquatic Chronic 3, H412	Calculation method

This document was written by a competent SDS technician and has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Center, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

CCNL - Annex 1

Higher Institute of Health - National Inventory of Chemical Substances

The information contained therein is based on our knowledge at the date stated above. They refer only to the product indicated and do not constitute a guarantee of particular qualities.

The user is required to ensure the suitability and completeness of this information in relation to the specific use that he must make.

This sheet supersedes any previous edition.

ADR: European Agreement on the International Road Transport of Dangerous Goods.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CLP: Classification, Labeling, Packaging.

DNEL: Derived level without effect.

EINECS: European inventory of existing European chemical substances on the market.

GefStoffVO: Ordinance on hazardous substances in Germany.

GHS: Global harmonized classification and labeling system for chemical products.

IATA: International Air Transport Association.

IATA-DGR: Regulation on dangerous goods of the "Association for International Air Transport" (IATA).

ICAO: International organization for civil aviation.

ICAO-TI: Technical instructions of the "International Civil Aviation Organization" (ICAO).

IMDG: International Maritime Code for Dangerous Goods.

INCI: International nomenclature of cosmetic ingredients.

KSt: Explosion coefficient.

LC50: Lethal concentration for 50 percent of the test population.

LD50: Lethal dose for 50 percent of the test population.

PNEC: Expected concentration without effect.

RID: Regulations concerning the international transport of dangerous goods by rail.

STEL: Short-term exposure limit.

STOT: Organ-specific toxicity.

TLV: Threshold limit value.

TWA: Time weighted average

WGK: Hazard class for water (Germany).