

VAPORTEK

VAPOR TEK LIMITED

Material Safety Data Sheet

Revision 2.0 December 2019

Product: VCI SOLUTION N45

Section 1: Identification of the substance/preparation and of the company/undertaking.

Application: VCI Solution N45 is a Corrosion preventive compound/fluid (LIQUID)

1.1 Product identifier:

Product name: VCI SOLUTION N45.

1.2 Supplier

Supplier: Vapor-Tek Ltd

Fairclough Street

Bolton. BL3 2AF

United Kingdom

Telephone Number

+44 (0)1204 521795

Fax

+44 (0)1204 364576

E-mail

info@vapor-tek.co.uk

Emergency Telephone Number:

+44(0) 07773160675

2 Hazards Identification

2.1 Classification of the Substance or Mixture:

This mixture is not classified as dangerous according to Directive 1999/45/EC

GHS Classification

This mixture is not classified as dangerous according to Regulations (EC) No. 1272/2008

2.2 Label elements according to Regulation (EC) No 1272/2008 as amended.

Signal word: WARNING 

May cause irritation to eyes and skin.

May cause respiratory irritation

Harmful if swallowed

Harmful if inhaled

2.3 Other Hazards:

None identified

3. Composition/Information on ingredients

3.1 Mixture (chemical characterization)

An ionic blend of corrosion inhibitors, antioxidants, metals deactivators.

Registration number (REACH)	
EU Index Number	
EC Number	N/A
CAS	
Content %	Active Content 45+%
Contains 15% Sodium Nitrate	CAS No: 7632-00-0

4 First aid measures

4.1 Description of First Aid Measures

General Information

Change contaminated clothing

4.2 After Inhalation

In case of inhalation of mist or spray, **the** affected person should be moved into fresh air and kept Still.

4.3 After Contact with skin.

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

Cool in contact with hot product, affected area immediately with plenty of lukewarm water (dip or rinse)

4.4 After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult Ophthalmologist.

4.5 After Ingestion

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a physician immediately.

4.6 Indication of any immediate medical attention and special treatment needed.

No Information available

5. Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing media

N/A

Unsuitable extinguishing media

N/A

5.2 Special hazards arising from the substance or mixture:

Toxic fumes or irritating vapour/fumes may be released.

5.3 Advice for firefighters:

N/A water-based product non-flammable

Additional Information

Containers externally cooled with water, let water out.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Wear suitable protective clothing and gloves – oil resistant

On vapour and aerosol formation use respirator filter type A2, A2P2

6.2 Environmental precautions:

Do not allow to enter into surface water or drains

6.3 Methods and material for containment and cleaning up:

Absorb with liquid binding material (e.g. sand, diatomaceous earth or universal binding agents)

6.4 Reference to other sections:

Section 13: Disposal considerations

7. Handling and storage

7.1 Precautions for safe handling:

Avoid release to the environment

Avoid Skin contact, Eye Contact

Advice of protection against fire and explosion

N/A

Avoid aerosol or mist formation

Further information on handling

Avoid: overheating of containers

7.2 Conditions for safe storage, including any incompatibilities:

Requirements for storage rooms and vessels

Keep container tightly closed. Keep container dry

Avoiding non-ferrous metals, including galvanised steel drums.

Advice on storage compatibility

Avoiding non-ferrous metals, including galvanized steel.

Do not store with strong oxidizing agents.

Further information on storage conditions

Maximum Storage Temperature 40 C

Do not allow material to freeze.

8. Exposure Controls/Personal Protection

8.1 Control Parameters:

Additional advice on limit values

To date, no national critical limit values exist

8.2 Exposure controls:

Protective hygiene measures

Remove contaminated, saturated clothing immediately. Protect skin by using skin protective cream.

When using do not eat or drink. Wash hands before breaks and after work.

General information:

Use personal protective equipment as required.

Eye/Face Protection

Wear eye/face protection

Hard Protection

Wear protective gloves, liquid-tight, oil resistant.

Skin Protection

Wear suitable protective clothing

Respiratory protection

On vapour and aerosol formation use respirator filter type A2, A2/P2 (If in doubt seek advice from your supplier of PPE)

**Hygiene measures**

Wash hands at the end of each work shift and before eating, smoking or using the toilet. Wash promptly with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

9: Physical and Chemical Properties

9.1	Appearance	Light amber liquid
9.2	Odour	Mild ammoniacal
9.3	PH	Aqueous dispersion 7.0 units
9.4	Boiling point/range	N/A
9.5	Melting point/range	N/A
9.6	Flashpoint	N/A

9.7	Flammability	N/A
9.8	Auto-flammability	N/A
9.9	Explosive properties	N/A
9.10	Oxidising Properties	None
9.11	Vapour pressure	N/A
9.12	Relative density	0.91 – 0.95
9.13	Solubility	N/A

10 Stability and reactivity

10.1 Reactivity

The product is stable under storage at normal ambient temperatures

10.2 Chemical Stability

The product is stable under storage at normal ambient temperatures

Avoid strong oxidising agents.

10.3 Possibility of hazardous reactions

No known hazardous reactions

10.4 Conditions to avoid

Strong oxidizing agents

Overheating

10.5 Incompatible materials

Strong oxidizing agents

Further information

No information available

11. Toxicological Information

11.1 Information on toxicological effects

Irritation and corrosivity

Slightly irritant - Irritating to eyes, respiratory system and skin

Sensitising effects

Not sensitising

STOT-single exposure

No target organ toxicity

Severe effects after repeated or prolonged exposure

No information available

Carcinogenic/mutagenic/toxic effects for reproduction

No information available

Aspiration Hazard

No Information available

Specific effects in experiment on an animal

No information available

Additional information on tests

No information available

Observations relevant to classification

No information available

Other Observations

No information available

Further Information

No information available

12. Ecological Information

12.1 Toxicity

No information available

12.2 Persistence and Degradability

Slowly biodegradable (according to OECD criteria)

12.3 Bioaccumulative potential

No information available

12.4 Mobility in Soil

No information available

12.5 Results of PBT and vPvB assessment

Not classified as PBT and VpVB

12.6 Other adverse effects.

No information available

13 Disposal Considerations

13.1 Waste treatment methods

Advice on disposal

Dispose of waste according to applicable legislation. Send to a licensed hazardous waste facility under the observation of official regulations.

Waste Disposal number of waste from residual/unused products

070199 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals; wastes not otherwise specified.

Waste Disposal number of used products

070199 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals; wastes not otherwise specified.

Waste Disposal number of contaminated packaging

150104 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); metallic packaging

Contaminated packaging

Remove according to the regulations.

14. Transport Information

14.1 Transportation by:

Land Transport (ADR/RID)

Other applicable information (land transport)

No dangerous goods in sense of this transport regulation.

Inland Waterways Transport (ADN)

Other applicable information (inland waterways transport)

No dangerous goods in sense of this transport regulation.

Marine Transport (IMDG)

Other applicable information (marine transport)

No dangerous goods in sense of this transport regulation

Air Transport (ICAO)

Other applicable information (air transport)

No dangerous goods in sense of this transport regulation

Dangerous for the environment: NO

14.3 Special Precautions for user

No. Not dangerous goods in the sense of this transport regulation

14.4 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No. Not dangerous goods in the sense of this transport regulation

15. Regulatory Information

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

National regulatory information

Water contaminating class (D) 1 – slightly water contaminating

Additional Information

No ingredient is listed in the SVHC List

16. Other Information

Changes

The format is REACH and it's amending Regulation (EC) 453/2010.

Added information in all areas.

Classification according to Regulation (EC) No. 1272/2008 CLP

Full text of R phrases referred to under Sections 2 and 3

R36/38 Irritating to eyes and skin.

Further information

Ingredients listed in the following national inventories:

TSCA

EINECS/ELINCS

KECL

IECSC

ENCS (Class 1 and 2)

AICS

DSL/NDSL

PICCS

DISCLAIMER: The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage processing, transport and disposal. The information cannot be transferred to other products. In case of mixing the product

with other products or in the case of processing, the information on this safety data-sheet is not necessarily valid for the new made-up material.

Date of Amendment	Amendment	Issue no.	Notes
30/09/2015	Labelling R-H Phrase R36/38 –H317/318 May cause skin& eye irritation.	1.0	C.Jones (M.D.)
15/03/2017	5.2: N/A 7.1: Advice of protection against fire & explosion N/A 10.2: avoid oxidising agents 12.2: not readily replaced by slowly	1B	C. Jones (M.D.)
19/12/2019	Format Standardised	2.0	S. Lambert