

# Material Safety Data Sheet

according to Regulation (EC) 1907/2006



**Product name :** Ralston Solvent 3-in-1  
**Revision :** 19.03.2009      **Version :** 1.0.0  
**Print date :** 18-06-2010

## 01. Identification of the substance/preparation and of the company/undertaking

### Product name

Ralston Solvent 3-in-1

### Use of the substance / preparation

Paints and lacquers.

### Manufacturer/Supplier

Van Wijhe Verf B.V.

### Street/P.O.Box

Russenweg 14

### Country code/Postal code/Town/City

8041 AL ZWOLLE

### Telephone / Telefax

0031 (0)38-4291100 / 0031 (0)38-4212621

### Emergency information

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## 02. Hazards identification

### Hazard designation

#### Directive 67/548/EEC or 1999/45/EC

Flammable. · Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Classification : R 10 · R 52/53

## 03. Composition/information on ingredients

Substances presenting a health or environmental hazard within the meaning of the Dangerous Substances Directive 67/548/EEC.

### Hazardous components

NAPHTHA (PETROLEUM), HYDRODESULFURIZED HEAVY ; EC-No. : 265-185-4; CAS-No. : 64742-82-1

Percentage : 5 - 10 %

Classification 67/548/EEC : N ; R51/53 Xn ; R65 R67 R66

NAPHTHA (PETROLEUM), HYDROTREATED HEAVY ; EC-No. : 265-150-3; CAS-No. : 64742-48-9

Percentage : 5 - 10 %

Classification 67/548/EEC : R10 Xn ; R65 R66

NAPHTHA (PETROLEUM), HYDROTREATED HEAVY ; EC-No. : 265-150-3; CAS-No. : 64742-48-9

Percentage : 1 - 5 %

Classification 67/548/EEC : Xn ; R65

1,2,4-TRIMETHYLBENZENE ; EC-No. : 202-436-9; CAS-No. : 95-63-6

Percentage : < 0,5 %

Classification 67/548/EEC : R10 N ; R51/53 Xn ; R20 Xi ; R36/37/38

2-BUTANONE OXIME ; EC-No. : 202-496-6; CAS-No. : 96-29-7

Percentage : < 0,5 %

Classification 67/548/EEC : Carc. Cat.3 ; R40 R43 Xi ; R41 Xn ; R21

For the wording of the listed risk phrases refer to section 16.

### Further components

Montmerilloniet samenstelling ; EC-No. : 273-219-4; CAS-No. : 68953-58-2

Percentage : < 0,5 %

## 04. First-aid measures

### General

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

### After inhalation

Take the casualty into the fresh air and keep warm. Keep at rest. Irregular breathing/no breathing: artificial respiration. Give nothing by mouth. Unconsciousness: lateral position - call a physician.

### After skin contact

Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.

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## After eye contact

Remove contact lenses, irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.

## After ingestion

If accidentally swallowed obtain immediate medical attention. Keep at rest. Do not induce vomiting.

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## 05. Fire-fighting measures

### Suitable extinguishing media

Alcohol resistant foam, CO<sub>2</sub>, powders, water spray.

### Unsuitable extinguishing media

Waterjet.

### Special risk posed by the substance or by the actual preparation, its combustion products or gases discharged

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

### Special protective equipment

Appropriate breathing apparatus may be required.

### Additional information

Cool closed containers exposed to fire with water. Do not allow run-off from the fire fighting to enter drains of water courses.

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## 06. Accidental release measures

### Personal precautions

Exclude sources of ignition and ventilate the area. Avoid breathing vapours. Refer to protective measures listed in sections 7 and 8.

### Environmental precautions

Do not empty into drains. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

### Methods for cleaning up/collecting

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent; avoid use of solvents.

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## 07. Handling and storage

### Information for safe handling

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Prevent the creation of inflammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the OEL (=Occupational Exposure Limit). Additionally, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. Floors should be of the conducting type. Preparation may charge electrostatically: always use earthing leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Keep the container tightly closed. Isolate from sources of heat, sparks and open flame. No sparking tools should be used. Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates and spray mist arising from the application of this preparation.

Avoid inhalation of dust from sanding.

Smoking, eating and drinking should be prohibited in application area.

For personal protection see Section 8.

Never use pressure to empty: container is not a pressure vessel.

Always keep in containers of same material as the original one.

Comply with the health and safety at work laws.

### Further information about storage conditions

Storage in accordance with CPR 15-1 or CPR 15-2. Observe label precautions. Store between 0 and 35 degrees C. in a dry, well ventilated place away from sources of heat and direct sunlight.

Keep away from oxidizing agents, from strongly alkaline and strongly acid materials. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Do not allow to enter drains.

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## 08. Exposure controls/personal protection

### Additional information about engineering measures

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

### Personal protective equipment

#### Respiratory protection

If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators.

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## Hand protection

For prolonged or repeated handling, solvent-resistant protective gloves must be worn.  
Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

## Eye protection

Use safety eyewear designed to protect against splash of liquids.

## Body protection

Personnel should wear anti-static clothing made of natural fibre or of high temperature resistant synthetic fibre.

## 09. Physical and chemical properties

### Relevant safety data

<b>Boiling point / range :</b>	( 1013 hPa )	ca.	120 °C	
<b>Flashpoint :</b>			42 °C	Closed cup
<b>Vapour pressure :</b>	( 50 °C / 122 °F )	<	1000 hPa	
<b>Density :</b>	( 20 °C / 68 °F )		1,2 g/cm <sup>3</sup>	
<b>Solvent-separation test :</b>	( 20 °C / 68 °F )	<	3 %	
<b>Flow time :</b>	( 20 °C / 68 °F )	>	90 s	DIN-cup 4 mm

## 10. Stability and reactivity

### Conditions to avoid

Stable under recommended storage and handling conditions(See section 7).

### Materials to avoid

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

### Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

## 11. Toxicological information

There are no data available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly. See sections 3 and 15 for details.

### Experience on practice

Exposure to component solvents vapours concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

The liquid splashed in the eyes may cause irritation and reversible damage.

## 12. Ecological information

There are no data available on the preparation itself.

The product should not be allowed to enter drains or water courses.

## 13. Disposal considerations

Do not empty into waters or drains. Contaminated packaging .....

## 14. Transport information

### Land transport ADR/RID

#### Classification

<b>Class :</b>	3	<b>Kemlercode :</b>	30
<b>UN number :</b>	1263	<b>Classification-Code :</b>	F1

ADR : - (<= 450 l) · Special provisions : 640E · LQ 7 · Tunnel restriction code : E

### Proper shipping name

PAINT

### Packaging

**Packaging group :** III

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**Label :** 3  
**Maritime transport IMDG/GGVSea Classification**  
**IMDG-Code :** 3      **EmS number :** F-E / S-E  
**UN number :** 1263      **Marine Poll. :** -  
IMDG 2.3.2.5 (<= 30 l) · LQ 5 I  
**Proper shipping name**  
PAINT  
**Packaging**  
**Packaging group :** III  
**Label :** 3  
**Air transport ICAO-TI and IATA-DGR Classification**  
**Class :** 3  
**UN number :** 1263  
**Proper shipping name**  
PAINT  
**Packaging**  
**Packaging group :** III  
**Label :** 3

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## 15. Regulatory information

### Labelling (67/548/EEC or 1999/45/EC)

#### R-phrases

10 Flammable.  
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### S-phrases

57 Use appropriate container to avoid environmental contamination.  
61 Avoid release to the environment. Refer to special instructions/Safety data sheets.  
35 This material and its container must be disposed of in a safe way.  
51 Use only in well-ventilated areas.

#### Special designation for certain preparations

99 Contains 2-BUTANONE OXIME ; Hexanoic acid, 2-ethyl-, cobalt salt. May produce an allergic reaction.

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## 16. Other information

### Further information

The details in this material safety data sheet satisfy national and EC legislation. The product is not to be used for other purposes than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The user is responsible for the observance of all required statutory provisions.

### Relevant changes

03. Hazardous components · 03. Further components · 08. Components with critical values that require monitoring at the workplace (exposure limits) · 14. Land transport ADR/RID and GGVS/GGVE · 14. Classification (ADR) · 14. Proper shipping name (ADR) · 14. Maritime transport IMDG/GGVSea · 14. Classification (IMDG) · 14. Proper shipping name (IMDG) · 14. Air transport ICAO-TI and IATA-DGR · 14. Proper shipping name (ICAO) · 15. Hazard-determining components of labelling · 15. R-phrases · 15. S-phrases · 15. Special designation for certain preparations

### R-Phrases of components

10 Flammable.  
20 Harmful by inhalation.  
21 Harmful in contact with skin.  
36/37/38 Irritating to eyes, respiratory system and skin.  
40 Limited evidence of a carcinogenic effect.  
41 Risk of serious damage to eyes.  
43 May cause sensitisation by skin contact.  
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
65 Harmful: may cause lung damage if swallowed.  
66 Repeated exposure may cause skin dryness or cracking.

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67                      Vapours may cause drowsiness and dizziness.

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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.

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