

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : Ralston Solvent 4S High-Gloss
Revision date : 09-08-2016
Print date : 29-09-2016

Version (Revision) : 2.0.0 (1.0.0)

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

1.1 Product identifier

Ralston Solvent 4S High-Gloss

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

Paints and lacquers.

1.3 Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor)

Ralston Colour & Coatings B.V.
part of Royal Van Wijhe Verf

Street : Russenweg 14

Postal code/city : 8041 AL ZWOLLE

Telephone : +31 (0)38-4291100

Telefax : +31 (0)38-4210414

Contact : MSDS@ralstoncolour.com

1.4 Emergency telephone number

+31 (0)38-4291100(During office hours).

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Flam. Liq. 3 ; H226 - Flammable liquids : Category 3 ; Flammable liquid and vapour.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



Flame (GHS02)

Signal word

Warning

Hazard statements

H226 Flammable liquid and vapour.

Precautionary statements

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P370+P378 In case of fire: Use ... to extinguish.

P501 Dispose of contents/ container according to national/ international regulations.

2.3 Other hazards

None

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : Ralston Solvent 4S High-Gloss
Revision date : 09-08-2016
Print date : 29-09-2016

Version (Revision) : 2.0.0 (1.0.0)

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

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

Weight fraction : $\geq 10 - < 15$ %
Classification 1272/2008 [CLP] : Asp. Tox. 1 ; H304

NAPHTHA (PETROLEUM), HYDROTREATED HEAVY ; REACH registration No. : 01-2119463258-33 ; EC No. : 265-150-3; CAS No. : 64742-48-9

Weight fraction : $\geq 5 - < 10$ %
Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Asp. Tox. 1 ; H304 STOT SE 3 ; H336

Isotridecylalcohol, ethoxylated, phosphated, compd. with N,N-dimethylcyclohexanamine ; EC No. : 605-358-7; CAS No. : 164383-18-0

Weight fraction : $\geq 1 - < 5$ %
Classification 1272/2008 [CLP] : Skin Irrit. 2 ; H315 Eye Irrit. 2 ; H319 Aquatic Chronic 2 ; H411

2-Pentanone oxime ; REACH registration No. : 01-2119980079-27 ; EC No. : 484-470-6; CAS No. : 623-40-5

Weight fraction : $< 0,5$ %
Classification 1272/2008 [CLP] : Acute Tox. 4 ; H302 Eye Irrit. 2 ; H319 Aquatic Chronic 3 ; H412

Calcium isononanoate ; EC No. : 258-901-1; CAS No. : 53988-05-9

Weight fraction : $< 0,5$ %
Classification 1272/2008 [CLP] : Eye Irrit. 2 ; H319

Calcium dipropionate ; REACH registration No. : 2119978298-17-0000 ; EC No. : 223-795-8; CAS No. : 4075-81-4

Weight fraction : $< 0,5$ %
Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318

Further ingredients

Quaternary ammonium compounds ; EC No. : 273-219-4; CAS No. : 68953-58-2

Weight fraction : $< 0,5$ %

Additional information

Full text of R-, H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person or a person with cramps. If unconscious place in recovery position and seek medical advice.

Following inhalation

Remove casualty to fresh air and keep warm and at rest. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

In case of skin contact

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. Do NOT use solvents or thinners.

After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

Trade name : Ralston Solvent 4S High-Gloss
Revision date : 09-08-2016
Print date : 29-09-2016

Version (Revision) : 2.0.0 (1.0.0)

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

alcohol resistant foam Extinguishing powder Water spray Water mist

Unsuitable extinguishing media

Strong water jet

5.2 Special hazards arising from the substance or mixture

Burning produces heavy smoke. Exposure to decomposition products may cause a health hazard. Use suitable breathing apparatus.

5.3 Advice for firefighters

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

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Provide adequate ventilation. Avoid breathing vapours. See protective measures under point 7 and 8.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3 Methods and material for containment and cleaning up

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 with detergents. Avoid solvent cleaners.

6.4 Reference to other sections

None

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

Measures to prevent fire

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. Only use the material in places where open light, fire and other flammable sources can be kept away. Electrical equipment should be protected to the appropriate standard. Vapours are heavier than air, spread along floors and form explosive mixtures with air. Vapours may form explosive mixtures with air.

Measures to prevent aerosol and dust generation

Avoid inhalation of vapour and spray mist. Avoid inhalation of dust from sanding.

Environmental precautions

Do not allow to enter drains or water courses.

Specific requirements or handling rules

Mixture may charge electrostatically: always use earthing leads when transferring from one container to another.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : Ralston Solvent 4S High-Gloss
Revision date : 09-08-2016
Print date : 29-09-2016

Version (Revision) : 2.0.0 (1.0.0)

Wear anti-static footwear and clothing Isolate from sources of heat, sparks and open flame. No sparking tools should be used. Avoid skin and eye contact. Never use pressure to empty container.

Advices on general occupational hygiene

When using do not eat, drink, smoke, sniff. Wear personal protection equipment (refer to section 8). Comply with the health and safety at work laws.

7.2 Conditions for safe storage, including any incompatibilities

Packaging materials

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

Hints on joint storage

Materials to avoid

Store away from oxidising agents, from strongly alkaline and strongly acid materials.

Further information on storage conditions

Observe label precautions. Keep container tightly closed. Keep away from sources of ignition. - No smoking. Only allow access to authorised staff. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

None

8.2 Exposure controls

Appropriate engineering controls

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 and solvent vapour below the OEL, suitable respiratory protection must be worn.

Personal protection equipment

Eye/face protection

Use safety eyewear designed to protect against splash of liquids.

Skin protection

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

Hand protection

Use chemical-resistant gloves (according to EN 374).

By short-term hand contact : For short-term contact use gloves with adequate chemical protection, thickness \geq 0.2 mm, performance level \geq 1 (breakthrough time \geq 10 minutes).

By long-term hand contact : For prolonged and repeated contact use gloves with adequate chemical protection, thickness 0.4 mm, performance level 6 (breakthrough time \geq 480 minutes).

Suitable material : NBR (Nitrile rubber)

Additional hand protection measures : Always ensure that gloves are free from defects and that they are stored and used correctly. Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred. After contact with skin, wash immediately with plenty of water and soap.

Respiratory protection

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

Environmental exposure controls

Do not allow to enter drains or water courses.

SECTION 9: Physical and chemical properties

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : Ralston Solvent 4S High-Gloss
Revision date : 09-08-2016
Print date : 29-09-2016

Version (Revision) : 2.0.0 (1.0.0)

9.1 Information on basic physical and chemical properties

Safety relevant basis data

Physical state :				liquid
Odeur:				Typical paint odour.
Odeur threshold:				Unknown
pH :				not applicable
Melting point/melting range :	<		-15	°C
Initial boiling point and boiling range :	(1013 hPa)		135 - 220	°C
Lower explosion limit :			0,6	Vol-%
Upper explosion limit :			7	Vol-%
Vapour pressure :	(50 °C / 122 °F)			No data available
Vapour density:				No data available
Density :	(20 °C / 68 °F)	approx.	1,12	g/cm ³
Solvent separation test :	(20 °C / 68 °F)			No data available
Ignition temperature :	>		200	°C
Decomposition temperature :				No data available
Viscositeit KU :	(20 °C / 68 °F)	approx.	88	KU
Flow time :	(20 °C / 68 °F)	>	90	s
Evaporation rate (n-butylacetate = 1):				No data available
Flash point :		approx.	42	°C
Flammability:				No data available
Explosive properties:				None
Solubility:				No data available
Oxidising properties:				None

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

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

10.3 Possibility of hazardous reactions

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

10.4 Conditions to avoid

When exposed to high temperatures may produce hazardous decomposition products.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

Carbon monoxide Carbon dioxide. Nitrogen oxides (NOx).

SECTION 11: Toxicological information

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly. See Sections 2 and 15 for details.

11.1 Information on toxicological effects

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : Ralston Solvent 4S High-Gloss
Revision date : 09-08-2016
Print date : 29-09-2016

Version (Revision) : 2.0.0 (1.0.0)

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 mixture 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. Ingestion may cause nausea, diarrhoea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Sensitisation

In case of inhalation

SECTION 12: Ecological information

There are no data available on the mixture itself. Do not allow to enter drains or water courses.

12.1 Toxicity

No information available.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

No information available.

12.7 Additional ecotoxicological information

None

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Do not allow to enter drains or water courses. Empty containers must be scrapped or reconditioned. Not emptied containers are hazardous waste (waste code number 150110).

SECTION 14: Transport information

14.1 UN number

UN 1263

14.2 UN proper shipping name

Land transport (ADR/RID)

PAINT

Sea transport (IMDG)

PAINT

Air transport (ICAO-TI / IATA-DGR)

PAINT

14.3 Transport hazard class(es)

Land transport (ADR/RID)

Class(es) : 3

Classification code : F1

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : Ralston Solvent 4S High-Gloss
Revision date : 09-08-2016
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Version (Revision) : 2.0.0 (1.0.0)

Hazard identification number (Kemler No.) : 30

Tunnel restriction code : D/E

Special provisions : 640E · LQ 5 I · E 1 · Transport in containers with max. 450 litres contents are not subject to the regulations of ADR/RID.

Hazard label(s) : 3

Sea transport (IMDG)

Class(es) : 3

EmS-No. : F-E / S-E

Special provisions : LQ 5 I · E 1 · IMDG 2.3.2.5 (<= 30 l)

Hazard label(s) : 3

Air transport (ICAO-TI / IATA-DGR)

Class(es) : 3

Special provisions : E 1

Hazard label(s) : 3

14.4 Packing group

III

14.5 Environmental hazards

Land transport (ADR/RID) : No

Sea transport (IMDG) : No

Air transport (ICAO-TI / IATA-DGR) : No

14.6 Special precautions for user

Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.8 Additional information

Air transport (ICAO-TI / IATA-DGR)

The "viscosity exemption" provision does not apply to air transport.

SECTION 15: Regulatory information

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

None

15.2 Chemical safety assessment

Chemical safety assessments for substances in this preparation were not carried out.

SECTION 16: Other information

16.1 Indication of changes

02. Classification of the substance or mixture · 02. Label elements · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 02. Special rules for supplemental label elements for certain mixtures · 03. Hazardous ingredients · 14. Transport hazard class(es) - Land transport (ADR/RID)

16.2 Abbreviations and acronyms

ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road

ASTM = American Society of Testing and Materials (US)

CAS No = Chemical Abstracts Service Number (see ACS - American Chemical Society)

DNEL = Derived No-Effect Level

DT50 = Time for 50% loss; half-life

EbC50 = Median effective concentration (biomass, e.g. of algae)

EC50 = Median effective concentration

EINECS = European Inventory of Existing Commercial Chemical Substances

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ELINCS = European List of Notified (New) Chemicals (see Tab 7, Background - Guide)
ErC50 = Median effective concentration (growth rate, e.g. of algae)
EWC = European Waste Catalogue
IATA = International Air Transport Association
IC50 = Concentration that produces 50% inhibition
IMDG = International Maritime Dangerous Goods Code
IMO = International Maritime Organization
LC50 = Concentration required to kill 50% of test organisms
LD50 = Dose required to kill 50% of test organisms
LEL = Lower Explosive Limit/Lower Explosion Limit
LOAEL = Lowest observed adverse effect level
MRL = Maximum Residue Limit
NOAEL = No Observed Adverse Effect Level
NOEC = No observed effect concentration
NOEL = No Observable Effect Level
OEL = Occupational Exposure Limits
PBT = Persistent, Bioaccumulative or Toxic
PNEC = Previsible Non Effect Concentration
STEL = Short-Term Exposure Limit
TWA = Time-Weighted Average
vPvB = Very Persistent and Very Bioaccumulative

16.3 Key literature references and sources for data

None

16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

No information available.

16.5 Relevant H- and EUH-phrases (Number and full text)

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

16.6 Training advice

None

16.7 Additional information

None

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 the 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.
