



# Safety Data Sheet

## Paintsol H3D

Version 1.01

Revision Date 14.12.2016

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

#### Product identifier

##### Trade name

Paintsol H3D

##### Product code

7729

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

##### Use

Solvent. Paint related material.

#### Manufacturer or supplier's details

##### Company

Sasol Chemicals, a division of Sasol South Africa (Pty) Ltd

##### Address

Sasol Place, 50 Katherine Street  
Sandton  
2090  
South Africa  
+27103445000

##### Telephone

##### E-mail address

sasolchem.info.Rosebank@sasol.com

##### Emergency telephone number

+44 (0)1235 239 670 (Europe, Israel, Africa, Americas)

+44(0)1235 239 671 (Middle East, Arabic African countries)

+65 3158 1074 (Asia Pacific)

+86 10 5100 3039 (China)

+27 (0)17 610 4444 (South Africa)

+61 (2) 8014 4558 (Australia)

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### SECTION 2. Hazards identification

#### Classification of the substance or mixture

South Africa. GHS Classification and Labelling of Chemicals - SANS 10234		
Classification	Flammable Liquids	Category 2
	Eye irritation	Category 2A
	Skin irritation	Category 2
	Specific target organ toxicity - single exposure	Category 3

#### Label elements

South Africa. GHS Classification and Labelling of Chemicals - SANS 10234	
Pictogram	 
Signal word	Danger
Hazard statements	<p>H225: Highly flammable liquid and vapour.</p> <p>H319: Causes serious eye irritation.</p> <p>H315: Causes skin irritation.</p> <p>H335: May cause respiratory irritation.</p> <p>H336: May cause drowsiness or dizziness.</p>

#### Precautionary statements

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### Prevention

P210: Keep away from heat.  
P233: Keep container tightly closed.  
P240: Ground/bond container and receiving equipment.  
P241: Use explosion-proof electrical/ ventilating/ lighting/ equipment.  
P242: Use only non-sparking tools.  
P243: Take precautionary measures against static discharge.  
P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P264: Wash hands thoroughly after handling.  
P261: Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P271: Use only outdoors or in a well-ventilated area.

### Response

P303 + P361 + P353: IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
P370 + P378: In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide for extinction.  
P302 + P352: IF ON SKIN: Wash with plenty of soap and water.  
P321: Specific treatment (see supplemental first aid instructions on this label).  
P332+P313: If skin irritation occurs: Get medical advice/attention.  
P362+P364: Take off contaminated clothing and wash it before reuse.  
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313: If eye irritation persists: Get medical advice/ attention.  
P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P312: Call a POISON CENTER or doctor/ physician if you feel unwell.

### Storage

P403 + P233: Store in a well-ventilated place. Keep container tightly closed.

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P403 + P235: Store in a well-ventilated place. Keep cool.

### Disposal

P501: Dispose of as hazardous waste in compliance with local and national regulations.

### Other hazards

No data available

## SECTION 3. Composition/information on ingredients

### Mixture

#### Acetone

Contents: < 60.00 %W/W

CAS-No. 67-64-1

Index-No. 606-001-00-8

EC-No. 200-662-2

Hazard statements *H225 H319 H336*

#### Butanone; Methyl Ethyl Ketone

Contents: < 20.00 %W/W

CAS-No. 78-93-3

Index-No. 606-002-00-3

EC-No. 201-159-0

Hazard statements *H225 H319 H336*

#### Methyl Isobutyl Ketone

Contents: < 10.00 %W/W

CAS-No. 108-10-1

Index-No. 606-004-00-4

EC-No. 203-550-1

Hazard statements *H225 H332 H319 H335*

#### n-Butanol

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**Contents:** < 5.00 %W/W

**CAS-No.** 71-36-3

**Index-No.** 603-004-00-6

**EC-No.** 200-751-6

**Hazard statements** *H226 H302 H335 H315 H318 H336*

**2-Butoxyethanol; Ethylene glycol monobutyl ether butyl cellosolve**

**Contents:** < 5.00 %W/W

**CAS-No.** 111-76-2

**Index-No.** 603-014-00-0

**EC-No.** 203-905-0

**Hazard statements** *H302 H312 H315 H319 H332*

For the full text of the H-Statements mentioned in this Section, see Section 16.

### SECTION 4. First aid measures

#### Description of necessary first-aid measures

<b>Inhalation</b>	Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. Consult a physician.
<b>Skin contact</b>	Wash off immediately with plenty of water for at least 15 minutes. If symptoms persist, call a physician.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Call a physician immediately.
<b>Ingestion</b>	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Call a physician immediately.

#### Most important symptoms/effects, acute and delayed

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Refer to SECTION 11

#### SECTION 5. Firefighting measures

<b>Suitable extinguishing media</b>	Alcohol-resistant foam. Water spray. Dry powder.
<b>Special hazards arising from the substance or mixture</b>	Flash back possible over considerable distance. Do not allow run-off from fire fighting to enter drains or water courses.
<b>Special protective equipment for firefighters</b>	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

#### SECTION 6. Accidental release measures

<b>Personal precautions</b>	Keep people away from and upwind of spill/leak. Remove all sources of ignition. Do not breathe vapours or spray mist.
<b>Environmental precautions</b>	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	Soak up with inert absorbent material and dispose of as hazardous waste.
<b>Reference to other sections</b>	Refer to Section 8 and 13

#### SECTION 7. Handling and storage

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<b>Safe handling advice</b>	Do not breathe vapours or spray mist. Wear personal protective equipment.
<b>Advice on protection against fire and explosion</b>	Keep away from open flames, hot surfaces and sources of ignition. Use explosion-proof equipment.
<b>Requirements for storage areas and containers</b>	Keep containers tightly closed in a cool, well-ventilated place.
<b>Advice on common storage</b>	No data available

## SECTION 8. Exposure controls/personal protection

### Components with workplace control parameters

#### NATIONAL OCCUPATIONAL EXPOSURE LIMITS

Components	Type	Control parameters	Update	Basis
ACETONE	TWA	1,780 mg/m3	1995	South Africa RELs
ACETONE	TWA	750 ppm	1995	South Africa RELs
ACETONE	STEL	3,560 mg/m3	1995	South Africa RELs
	STEL	1,500 ppm	1995	South Africa RELs
METHYL ETHYL KETONE (MEK)	TWA	590 mg/m3	1995	South Africa RELs
	TWA	200 ppm	1995	South Africa RELs
BUTAN-2-ONE	STEL	885 mg/m3	1995	South Africa RELs
	STEL	300 ppm	1995	South Africa RELs

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ISOBUTYL METHYL KETONE	TWA	205 mg/m <sup>3</sup>	1995	South Africa RELs
METHYL ISOBUTYL KETONE (MIBK)	TWA	50 ppm	1995	South Africa RELs
HEXONE	STEL	300 mg/m <sup>3</sup>	1995	South Africa RELs
HEXONE	STEL	75 ppm	1995	South Africa RELs
BUTAN-1-OL	STEL	150 mg/m <sup>3</sup>	1995	South Africa RELs
N-BUTYL ALCOHOL	STEL	50 ppm	1995	South Africa RELs
BUTAN-1-OL				
2-BUTOXYETHANOL	TWA	120 mg/m <sup>3</sup>	1995	South Africa Control Limits
2-BUTOXYETHANOL	TWA	25 ppm	1995	South Africa Control Limits
ETHYLENE GLYCOL	TWA	120 mg/m <sup>3</sup>	1995	South Africa RELs
MONOBUTYL ETHER	TWA	25 ppm	1995	South Africa RELs
ETHYLENE GLYCOL				
MONOBUTYL ETHER				

### Exposure controls

#### Engineering measures

Provide sufficient air exchange and/or exhaust in work rooms.

#### Personal protective equipment

**Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment.

**Hand protection** Solvent-resistant gloves

**Eye protection** Safety glasses with side-shields





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<b>Skin and body protection</b>	Protective suit. Safety shoes.
<b>Hygiene measures</b>	Wash hands immediately after handling the product.

## SECTION 9. Physical and chemical properties

### Information on basic physical and chemical properties

<b>Form</b>	Liquid
<b>State of matter</b>	Liquid; at 20 ° C; 1,013 hPa
<b>Colour</b>	Colourless
<b>Odour Threshold</b>	No data available
<b>Boiling point/boiling range</b>	56 ° C
<b>Flash point</b>	-20 ° C; closed cup
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Relative vapour density</b>	No data available
<b>Density</b>	0.800 g/cm <sup>3</sup> ; 20 ° C
<b>Viscosity, dynamic</b>	0.80 mPa.s

## SECTION 10. Stability and reactivity

<b>Reactivity</b>	Stable under normal conditions.
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<b>Chemical stability</b>	No data available
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	Heat, flames, sparks and other combustion sources.
<b>Materials to avoid</b>	Oxidizing agents. Acids and bases
<b>Hazardous decomposition products</b>	Carbon oxides.

## SECTION 11. Toxicological information

<b>Acute oral toxicity</b>	Acetone: LD50 Rat: > 2,000 mg/kg; (literature value)
<b>Acute oral toxicity</b>	n-Butanol: LD50 Rat: 200 - 2,000 mg/kg; OECD Test Guideline 401; GLP: no (literature value)
<b>Acute oral toxicity</b>	Methyl Isobutyl Ketone: LD50 Rat: > 2,000 mg/kg; (literature value)
<b>Acute oral toxicity</b>	Butanone; Methyl Ethyl Ketone: LD50 Rat: 2,000 mg/kg; (literature value)
<b>Acute oral toxicity</b>	2-Butoxyethanol; Ethylene glycol monobutyl ether butyl cellosolve: LD50 Rat: ca.1,950 mg/kg; (literature value)
<b>Acute inhalation toxicity</b>	Acetone: LC50 Rat: 4 h; > 20 mg/l; GLP: no; (literature value)

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<b>Acute inhalation toxicity</b>	2-Butoxyethanol; Ethylene glycol monobutyl ether butyl cellosolve: LC50 Rat: 4 h; 2.21 mg/l; (literature value)
<b>Acute inhalation toxicity</b>	Methyl Isobutyl Ketone: LC50 Rat: 4 h; 2 - 20 mg/l; (literature value)
<b>Acute dermal toxicity</b>	Acetone: LD50 Rabbit: > 2,000 mg/kg; (literature value)
<b>Acute dermal toxicity</b>	2-Butoxyethanol; Ethylene glycol monobutyl ether butyl cellosolve: LD50 Rat: 400 mg/kg; (literature value)
<b>Acute dermal toxicity</b>	Butanone; Methyl Ethyl Ketone: LD50 Rabbit: > 2,000 mg/kg; (literature value)
<b>Acute dermal toxicity</b>	Methyl Isobutyl Ketone: LD50 Rat: > 2,000 mg/kg; (literature value)
<b>Acute dermal toxicity</b>	n-Butanol: LD50 Rat: > 2,000 mg/kg; OECD Test Guideline 402; GLP: no; (literature value)
<b>Skin irritation</b>	Acetone: Rabbit: moderately irritating; GLP: no; (literature value)
<b>Skin irritation</b>	Butanone; Methyl Ethyl Ketone: Rabbit: moderately irritating; (literature value)
<b>Skin irritation</b>	n-Butanol: Rabbit: Irritating; OECD Test Guideline 404 GLP: no; (literature value)
<b>Skin irritation</b>	Methyl Isobutyl Ketone: Rabbit: slightly irritating; (literature value)

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<b>Eye irritation</b>	Acetone: Rabbit: Irritating GLP: no; (literature value)
<b>Eye irritation</b>	Butanone; Methyl Ethyl Ketone: Rabbit: Highly irritating (literature value)
<b>Eye irritation</b>	n-Butanol: Rabbit: Risk of serious damage to eyes. OECD Test Guideline 405 GLP: no; (literature value)
<b>Eye irritation</b>	Methyl Isobutyl Ketone: Rabbit: Irritating (literature value)
<b>Sensitisation</b>	Methyl Isobutyl Ketone: Maximisation Test (GPMT); Guinea pig: Not sensitizing; OECD Test Guideline 406; (literature value)
<b>Sensitisation</b>	Butanone; Methyl Ethyl Ketone: Guinea pig: Not sensitizing; Maximisation Test (GPMT); (literature value)
<b>Mutagenicity</b>	Acetone: Ames test: Salmonella typhimurium; with and without; Not mutagenic; GLP: no; (literature value)
<b>Mutagenicity</b>	Methyl Isobutyl Ketone: Ames test: Salmonella typhimurium; with and without; Not mutagenic; (literature value)
<b>Mutagenicity</b>	n-Butanol: Ames test: Salmonella typhimurium; with and without; Not mutagenic; OECD Test Guideline 471; GLP: no; (literature value)

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### Mutagenicity

Butanone; Methyl Ethyl Ketone:  
Ames test: Salmonella typhimurium; with and without; Not  
mutagenic; (literature value)

## SECTION 12. Ecological information

### Toxicity to fish

Acetone:  
Static test; Salmo gairdneri; 96 h; LC50; > 100 mg/l; (literature  
value)

### Toxicity to fish

2-Butoxyethanol; Ethylene glycol monobutyl ether butyl  
cellosolve:  
Static test; Carassius auratus (goldfish); 24 h; LC50; (literature  
value)

### Toxicity to fish

Methyl Isobutyl Ketone:  
Static test; Pimephales promelas; 96 h; LC50; > 100 mg/l;  
(literature value)

### Toxicity to fish

Butanone; Methyl Ethyl Ketone:  
Leuciscus idus; 48 h; LC50; > 100 mg/l; (literature value);

### Toxicity to fish

n-Butanol:  
flow-through test; Pimephales promelas; 96 h; LC50; > 100  
mg/l; OECD Test Guideline 203; GLP: no; (literature value)

### Toxicity to daphnia and other aquatic invertebrates

Acetone:  
Static test; Daphnia magna (Water flea); 48 h; > 100  
mg/l(literature value)

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<b>Toxicity to daphnia and other aquatic invertebrates</b>	2-Butoxyethanol; Ethylene glycol monobutyl ether butyl cellosolve: Daphnia magna; 96 h; LC50; 550 - 950 mg/l(literature value)
<b>Toxicity to daphnia and other aquatic invertebrates</b>	Methyl Isobutyl Ketone: Static test; Daphnia magna; 48 h; EC50; > 100 mg/l(literature value)
<b>Toxicity to daphnia and other aquatic invertebrates</b>	Butanone; Methyl Ethyl Ketone: Static test; Daphnia magna; 48 h; EC50; > 100 mg/l
<b>Toxicity to daphnia and other aquatic invertebrates</b>	n-Butanol: flow-through test; Daphnia magna; 7 d; EC50; > 100 mg/lGLP: no; (literature value)
<b>Toxicity to algae</b>	Acetone: Static test; Pseudokirchneriella subcapitata (green algae)EC50; > 100 mg/l; (literature value)
<b>Toxicity to algae</b>	Methyl Isobutyl Ketone: Static test; Desmodesmus subspicatus (green algae)EC50; > 100 mg/l; (literature value)
<b>Toxicity to algae</b>	Butanone; Methyl Ethyl Ketone: Static test; Desmodesmus subspicatus (green algae)7 d; EC50; > 100 mg/l; (literature value);
<b>Biodegradability</b>	Acetone: Readily biodegradable; (literature value)
<b>Biodegradability</b>	Methyl Isobutyl Ketone: Aerobic; activated sludge, domestic, non-adapted; 100 mg/l; Biochemical oxygen demand; > 70 %; 7 d; Readily biodegradable; OECD Guideline 301 E; (literature value)
<b>Biodegradability</b>	Butanone; Methyl Ethyl Ketone:

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<b>Biodegradability</b>	Aerobic; 98 %; 28 d; Readily biodegradable; (literature value);
	n-Butanol: Aerobic; activated sludge of a predominantly domestic sewage; > 70 %; 9 d; Readily biodegradable; OECD Guideline 301 E; GLP: no; literature value
<b>Mobility in soil</b>	No data available
<b>Results of PBT and vPvB assessment</b>	This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

### SECTION 13. Disposal considerations

<b>Product</b>	Dispose of in accordance with local regulations.
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### SECTION 14. Transport information

#### ADR

<b>UN number:</b>	1263
<b>Class:</b>	3
<b>Packaging group:</b>	II; F1;
<b>Proper shipping name:</b>	PAINT RELATED MATERIAL  (acetone, methyl ethyl ketone)

#### RID



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**UN number:** 1263

**Class:** 3

**Packaging group:** II; F1

**Proper shipping name:** PAINT RELATED MATERIAL  
(acetone, methyl ethyl ketone)

#### ADNR

**UN number:** 1263

**Class:** 3

**Packaging group:** II; F1

**Proper shipping name:** PAINT RELATED MATERIAL  
(acetone, methyl ethyl ketone)

#### IMDG

**UN number:** 1263

**Class:** 3

**EmS:** F-E, S-E

**Packaging group:** II



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**Proper shipping name:** PAINT RELATED MATERIAL  
(acetone, methyl ethyl ketone)

### ICAO/IATA

**UN number :** 1263

**Class:** 3

**Packaging group:** II

**Proper shipping name:** PAINT RELATED MATERIAL  
(acetone, methyl ethyl ketone)

## SECTION 15. Regulatory information

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

<b>Registration, Evaluation and Authorisation of Chemicals (REACH)</b>	All chemical constituents are listed in: Registration, Evaluation and Authorisation of Chemicals (REACH) (See chapter 3)
<b>Registration, Evaluation and Authorisation of Chemicals (REACH)</b>	All chemical constituents are listed in: Registration, Evaluation and Authorisation of Chemicals (REACH) (See chapter 3)
<b>Inv. of Exist. Chem. Substances in China</b>	All chemical constituents are listed in: Inv. of Exist. Chem. Substances in China (See chapter 3)
<b>USA TSCA Inventory</b>	All chemical constituents are listed in: USA TSCA Inventory (See chapter 3)

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<b>Canadian Domestic Substances List (DSL)</b>	All chemical constituents are listed in: Canadian Domestic Substances List (DSL) (See chapter 3)
<b>Australian Inv. of Chem. Substances (AICS)</b>	All chemical constituents are listed in: Australian Inv. of Chem. Substances (AICS) (See chapter 3)
<b>New Zealand Inventory of Chemicals (NZIoC)</b>	All chemical constituents are listed in: New Zealand Inventory of Chemicals (NZIoC) (See chapter 3)
<b>Jap. Inv. of Exist. &amp; New Chemicals (ENCS)</b>	All chemical constituents are listed in: Jap. Inv. of Exist. & New Chemicals (ENCS) (See chapter 3)
<b>Japan. Industrial Safety &amp; Health Law (ISHL)</b>	All chemical constituents are listed in: Japan. Industrial Safety & Health Law (ISHL) (See chapter 3)
<b>Korea. Existing Chemicals Inventory (KECI)</b>	All chemical constituents are listed in: Korea. Existing Chemicals Inventory (KECI) (See chapter 3)
<b>Philippines Inventory of Chemicals and Chemical Substances (PICCS)</b>	All chemical constituents are listed in: Philippines Inventory of Chemicals and Chemical Substances (PICCS) (See chapter 3)
<b>China Inv. Existing Chemical Substances (IECSC)</b>	All chemical constituents are listed in: China Inv. Existing Chemical Substances (IECSC) (See chapter 3)

## SECTION 16. Other information

### Full text of H-Statements

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.



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- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.

All reasonable efforts were exercised to compile this SDS in accordance with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The SDS only provides information regarding the health, safety and environmental hazards at the date of issue, to facilitate the safe receipt, use and handling of this product in the workplace and does not replace any product information or product specifications. Since Sasol and its subsidiaries cannot anticipate or control all conditions under which this product may be handled, used and received in the workplace, it remains the obligation of each user, receiver or handler to, prior to usage, review this SDS in the context within which this product will be received, handled or used in the workplace. The user, handler or receiver must ensure that the necessary mitigating measures are in place with respect to health and safety. This does not substitute the need or requirement for any relevant risk assessments to be conducted. It further remains the responsibility of the receiver, handler or user to communicate such information to all relevant parties that may be involved in the receipt, use or handling of this product.

Although all reasonable efforts were exercised in the compilation of this SDS, Sasol does not expressly warrant the accuracy of, or assume any liability for incomplete information contained herein or any advice given. When this product is sold, risk passes to the purchaser in accordance with the specific terms and conditions of sale.