

MSA Clear Pilot

D050021101

Revision No: 5,00

Revision date: 29.06.2015

Print date: 31.08.2015

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

- 1.1. Product identifier:** MSA Clear Pilot
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
- Use of the substance/mixture:** Cleaning product
- Uses advised against:** The product is to be used exclusively for the applications named in the technical leaflet or in the processing instructions.

1.3. Details of the supplier of the safety data sheet

- Company name:** MSA Deutschland GmbH
- Street:** Thiemannstrasse 1
- Place:** D-12059 Berlin
- Telephone:** ++49-30-6886-0
- Telefax:** ++49-30-6886-1558
- 1.4. Emergency telephone number:** 1-800-255-3924 USA/CDN
++1-813-248-0585 internat.

Further Information: Apply Safety data sheet to the following products:

10032164

2. Hazards identification

- 2.1. Classification of the substance or mixture:** This mixture is not classified as hazardous according to Directive 1999/45/EC.
- 2.2. Label elements**
- Precautionary statements:** P102 Keep out of reach of children.
P210 Keep away from heat. No Smoking.
- Additional advice on labelling:** The product does not need to be labelled in accordance with EC directives or respective national laws.
- 2.3. Other hazards:** No data available.

3. Composition/information on ingredients

3.2. Mixtures

Chemical characterization: Cleaning product, contains water, alcohols, surfactants and colourings

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
200-661-7	Isopropanol	1 - 15 %
67-63-0	F - Highly flammable, Xi - Irritant R11-36-67	
603-117-00-0	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336	

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

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4. First aid measures

4.1. Description of first aid measures

General information:

After inhalation:

Remove soiled clothing.

Move to fresh air. Upon irritation of the respiratory tract or mucous membranes (e.g. coughing), indisposition or prolonged exposure, consult a doctor.

After contact with skin:

Wash contaminated skin areas thoroughly with soap and water.

After contact with eyes:

Rinse immediately with plenty of water, also under the eyelids.

After ingestion:

Clean mouth with water and drink plenty of water afterwards. - If you feel unwell, seek medical advice (show the label where possible).

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:

No information available.

5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Foam, carbon dioxide (CO₂), chemical fire extinguisher, water spray mist

Extinguishing media which must not be used for safety reasons:

High volume water jet

5.2. Special hazards arising from the substance or mixture:

Large quantities: Vapours may form explosive mixture with air. Do not breathe in the vapours and combustion gases. Vapours are heavier than air and spread at the soil. Pay attention to flashback.

5.3. Advice for firefighters:

Large quantities: In the event of fire, wear self-contained breathing apparatus.

Additional information:

Water mist may be used to cool closed containers.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures:

Avoid contact with eyes.

6.2. Environmental precautions:

Slipping hazard due to leakage.

6.3. Methods and material for containment and cleaning up:

Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system.

6.4. Reference to other sections:

Large quantities: Soak up with inert absorbent material.

Dispose of the material collected according to regulations.

Refer to safety instructions (see sections 7 and 8).

Suitable protective equipment: See section 8.

Dispose of as described in section 13.

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7. Handling and storage

7.1. Precautions for safe handling

Advice on safe handling:

No special action required if used correctly. Do not empty container with pressure, it is not a pressurised container. Keep away from sources of ignition - No smoking.

Advice on protection against fire and explosion:

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels:

Store sealed in the original container. Store in cool place.

Further information on storage conditions:

Protect from heat and direct sunlight.

7.3. Specific end use(s):

No information available.

8. Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

8.2. Exposure controls

Protective and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice.

Respiratory protection:

Not required.

Hand protection:

No special measures are necessary when normal, good hygiene is practised.
In the case of lengthy skin contact. Protective gloves made out of: PVC

Eye protection:

Not required. In case of risk of splashing, wear protective glasses.

Skin protection:

Not required.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:

liquid

Colour:

yellowish-orange

Odour:

alcohol

Test method

pH-Value:

approx. 7.5

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Changes in the physical state

Flash point:	> 90 °C
Vapour pressure: (at 20 °C)	<0.02 hPa
Density:	1.01 g/cm ³
Water solubility:	completely miscible
Viscosity / kinematic:	4.1 mm ² /s

10. Stability and reactivity

10.1. Reactivity:	No data available.
10.2. Chemical stability:	Stable at normal conditions.
10.3. Possibility of hazardous reactions:	No data available.
10.4. Conditions to avoid:	No decomposition if used as directed.
10.5. Incompatible materials:	No dangerous reactions are known.
10.6. Hazardous decomposition products:	No dangerous decomposition products known.

11. Toxicological information

11.1. Information on toxicological effects Toxicocinetics, metabolism and distribution:

No data is available on the product itself.

Acute toxicity

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	h
67-63-0	Isopropanol				
	Acute oral toxicity	LD50	4710 mg/kg	rats	
	Acute dermal toxicity	LD50	12800 mg/kg	rats	
	Acute inhalation toxicity	LC50	72.6 mg/l	rats	4

Irritation and corrosivity:

Contact with eyes may result in irritation.

12. Ecological information

12.1. Toxicity:

No data is available on the product itself.

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CAS No	Chemical name			
	Aquatic toxicity	Method	Dose	Species
67-63-0	Isopropanol			
	Acute fish toxicity	LC50	1400 mg/l	Lepomis macrochirus
	Acute algae toxicity	ErC50	> 1000 mg/l	Desmodesmus subspicatus
	Acute crustacea toxicity	EC50	13299 mg/l	Daphnia magna

12.2. Persistence and degradability:

No data is available on the product itself.
The surface active substances of the product correspond to the requirements of the EC Detergent Regulation (EC/648/2004) concerning ultimate aerobic biodegradation of tensides for washing and cleaning agents.

12.3. Bioaccumulative potential:

No data is available on the product itself.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
67-63-0	Isopropanol	0.05

12.4. Mobility in soil:

No data is available on the product itself.

12.5. Results of PBT and vPvB assessment:

The product does not contain any substance which meets the PBT criteria (persistent/bio-accumulative/toxic) or the vPvB criteria (very persistent/very bio-accumulative).

12.6. Other adverse effects:

No data is available on the product itself.

Further information:

Should not be released into the environment.

13. Disposal considerations

13.1. Waste treatment methods

Advice on disposal:

**Recommendation Waste disposal
number of waste from residues/unused
products:**

Disposal in accordance with the official regulations.

070601

WASTES FROM ORGANIC CHEMICAL PROCESSES;
wastes from the MFSU of fats, grease, soaps, detergents,
disinfectants and cosmetics; aqueous washing liquids and
mother liquors

Classified as hazardous waste.

Recommendation :

070601

WASTES FROM ORGANIC CHEMICAL PROCESSES;
wastes from the MFSU of fats, grease, soaps, detergents,
disinfectants and cosmetics; aqueous washing liquids and
mother liquors

Classified as hazardous waste.

**Recommendation Waste disposal
number of contaminated packaging:**

150102

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

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Contaminated packaging:

Disposal in accordance with the official regulations.

14. Transport information

Land transport (ADR/RID)

14.1. UN number:	not regulated
14.2. UN proper shipping name:	not regulated
14.3. Transport hazard class(es):	not regulated
14.4. Packing group:	not regulated
Other applicable information (land transport):	Not classified as dangerous regarding transport regulations.

Inland waterways transport (ADN)

14.1. UN number:	not regulated
14.2. UN proper shipping name:	not regulated
14.3. Transport hazard class(es):	not regulated
14.4. Packing group:	not regulated
Other applicable information (inland waterways transport):	Not classified as dangerous regarding transport regulations.

Marine transport (IMDG)

14.1. UN number:	not regulated
14.2. UN proper shipping name:	not regulated
14.3. Transport hazard class(es):	not regulated
Other applicable information (marine transport):	Not classified as dangerous regarding transport regulations.

Air transport (ICAO)

UN/ID number:	not restricted
14.2. UN proper shipping name:	not restricted
14.3. Transport hazard class(es):	not restricted
Other applicable information (air transport):	Not classified as dangerous regarding transport regulations.
14.5. Environmental hazards ENVIRONMENTALLY HAZARDOUS:	no
14.6. Special precautions for user:	Not applicable.
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not applicable.

15. Regulatory information

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

EU regulatory information

1999/13/EC (VOC):	< = 10%
Additional information:	No Substances of Very High Concern (SVHC) according REACH Article 57.

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National regulatory information

15.2. Chemical safety assessment:

For this substance a chemical safety assessment has not been carried out.

16. Other information

Changes:

Abbreviations and acronyms:

Relevant R phrases (number and full text):

Relevant H and EUH statements (number and full text):

Further Information:

Section 1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 14, 15

n.a. = not applicable

n.d. = not determined

11 Highly flammable.

36 Irritating to eyes.

67 Vapours may cause drowsiness and dizziness.

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

EUH210 Safety data sheet available on request.

The information is based on present levels of our knowledge.

It does not, however, give assurances of product properties and establishes no contract legal rights.

The product is to be used exclusively for the applications named in the technical data sheet or in the processing instructions.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

n.a. = not applicable

n.d. = not determined

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)