

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the preparation CH150A

Synonym(s) HP SC101 Cleaning Solution

Use of the Substance/Preparation Inkjet printing.

Revision date 23-Feb-2011

CAS # 112-07-2

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2. HAZARDS IDENTIFICATION

Regulation (EC) No. 1272/2008



Regulation (EC) No. 1272/2008

Health hazards

Acute toxicity Category 4 Harmful if inhaled.
Acute toxicity Category 4 Harmful in contact with skin.

Classification Xn;R20/21

Emergency Overview Harmful by inhalation and in contact with skin. Irritating to eyes and skin.

Acute health effects

Skin contact Harmful in contact with skin. Contact causes skin irritation. Avoid contact with the skin.
Eye contact Causes eye irritation. Avoid contact with eyes.
Inhalation Harmful by inhalation.
Ingestion May be harmful if swallowed.

Potential health effects

Routes of exposure Potential routes of exposure under normal use conditions are skin, eye contact and inhalation.
2-Butoxyethyl acetate
Not available.

Physical hazards Not classified as a physical hazard.

Health hazards Harmful by inhalation and in contact with skin.

Environmental hazards Not classified as an environmental hazard.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	Classification	CAS-No.	%	EC-No. / REACH Registration No.	Notes
2-Butoxyethyl acetate	67/548: Xn;R20/21 CLP: Acute Tox. 4;H312, Acute Tox. 4;H332	112-07-2	< 100	203-933-3 01-2119475112-47-0005	#

4. FIRST AID MEASURES

Inhalation	In case of accident by inhalation: remove casualty to fresh air and keep at rest. If not breathing, give artificial respiration or give oxygen by trained personnel. Get medical attention immediately.
Skin contact	In case of contact, immediately remove contaminated clothing and flush skin with copious amounts of water. Get medical attention. Wash clothing separately before reuse.
Eye contact	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately.
Ingestion	Rinse mouth out with water. Give several glasses of water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Get medical attention immediately.

5. FIRE-FIGHTING MEASURES

Flash point	78 °C (172.4 °F) closed cup
Fire fighting equipment/instructions	Firefighters should wear full protective clothing including self contained breathing apparatus. Cool containers with flooding quantities of water until well after fire is out. Avoid runoff into storm sewers and ditches which lead to waterways.
Suitable extinguishing media	Dry chemical, CO ₂ , sand, earth, water spray or regular foam.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Avoid inhalation of vapors or mists. Avoid contact with skin. Do not touch or walk through spilled material. Wear appropriate protective equipment and clothing during clean-up.
Environmental precautions	Do not flush into surface water or sanitary sewer system.
Methods for cleaning up	Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Clean up in accordance with all applicable regulations. Ventilate the contaminated area. Eliminate ignition sources including sources of electrical, static or frictional sparks.

7. HANDLING AND STORAGE

Handling	Avoid contact with skin, eyes and clothing. Avoid breathing vapours or mists of this product. Use personal protective equipment as required. Use only with adequate ventilation. When using, do not eat, drink or smoke.
Storage	Keep tightly closed in a dry, cool and well-ventilated place. Store at room temperature. Keep away from heat, sparks and flame. Keep away from oxidizers. Keep out of the reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit values

Portugal

Components	Type	Value
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2-Butoxyethyl acetate (112-07-2)	STEL	333.0000 mg/m ³ 50.0000 ppm
	TWA	133.0000 mg/m ³ 20.0000 ppm

Additional exposure data

Portugal OELs: Short Term Exposure Limit (STEL)

2-Butoxyethyl acetate (CAS 112-07-2) 333 MGM3 - 50 PPM

Portugal OELs: Time Weighted Average (TWA)

2-Butoxyethyl acetate (CAS 112-07-2) 133 MGM3 - 20 PPM

Occupational exposure controls

Respiratory protection	Use personal protective equipment as required. Provide adequate ventilation.
Eye protection	Wear safety glasses; chemical goggles (if splashing is possible). Provide an emergency eye wash fountain and quick drench shower in the immediate work area.
Skin and body protection	Wear appropriate chemical resistant clothing. Wear appropriate chemical resistant gloves.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing.
When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.
Launder contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Not available.
Physical state	Liquid
Form	Liquid.
Color	Not available.
Odor	fruity solvent.
Odour threshold	Not available.
pH	Not available.
Boiling point	184 °C (363.2 °F)
Flash point	78 °C (172.4 °F) closed cup
Flammability limits in air, upper, % by volume	< 8.54 %
Flammability limits in air, lower, % by volume	> 0.88 %
Vapor pressure	0.31 hPa @ 20°C
Relative density	Not available.
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available
Viscosity	Not available.
Vapor density	Not available.
Evaporation rate	Not available.
Melting point	Not available.
Freezing point	-64 °C (-83.2 °F)
Auto-ignition temperature	280 °C (536 °F)
Specific gravity	0.935 @ 20°C
VOC	< 940 g/l

10. STABILITY AND REACTIVITY

Conditions to avoid	Avoid high temperatures.
Hazardous decomposition products	peroxides.
Stability	Stable under normal storage conditions.
Materials to avoid	This product may react with strong oxidizing agents. Reacts with air to form peroxides. oxidizing agents

11. TOXICOLOGICAL INFORMATION

Routes of exposure	Potential routes of exposure under normal use conditions are skin and eye contact; and inhalation.
Serious eye damage/eye irritation	Not available.
Skin sensitization	Not available.
Local effects	Harmful by inhalation and in contact with skin. Contact with skin and eyes may result in irritation. Repeated or prolonged inhalation may cause toxic effects. Inhalation of high vapour concentrations can cause CNS-depression and narcosis.
Symptoms and target organs	Major effects of exposure: Skin disorders, Allergic reactions.

12. ECOLOGICAL INFORMATION

Aquatic toxicity	May cause long-term adverse effects in the aquatic environment.
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13. DISPOSAL CONSIDERATIONS

Disposal instructions	Dispose of in compliance with federal, state, and local regulations. Do not allow this material to drain into sewers/water supplies.
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14. TRANSPORT INFORMATION

Further information	Not a dangerous good under United States DOT, IATA, ADR, IMDG, or RID.
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ADR

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

RID

Not regulated as dangerous goods.

15. REGULATORY INFORMATION**Labeling****Regulation (EC) No. 1272/2008****Hazard statement**

Harmful in contact with skin. Harmful if inhaled.

16. OTHER INFORMATION**Hazard statement**

Harmful in contact with skin. Harmful if inhaled.

**Precautionary statement****Prevention**

P280 - Wear protective gloves/protective clothing/eye protection/face protection. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P271 - Use only outdoors or in a well-ventilated area.

Response

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water. P312 - Call a POISON CENTRE/doctor/physician if you feel unwell. P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Wording of the R-phrases in sections 2 and 3

R20/21 Harmful by inhalation and in contact with skin.

Portugal OELs: Short Term Exposure Limit (STEL)

2-Butoxyethyl acetate (CAS 112-07-2)

333 MGM3 - 50 PPM

Portugal OELs: Time Weighted Average (TWA)

2-Butoxyethyl acetate (CAS 112-07-2)

133 MGM3 - 20 PPM

Disclaimer

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Issue date

23-Feb-2011

This data sheet contains changes from the previous version in section(s):

Product and Company Identification: Synonyms
Composition / Information on Ingredients: Ingredients
Physical & Chemical Properties: Physical & Chemical Properties

Explanation of abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstracts Service
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CFR	Code of Federal Regulations
COC	Cleveland Open Cup
DOT	Department of Transportation
EPCRA	Emergency Planning and Community Right-to-Know Act (aka SARA)
IARC	International Agency for Research on Cancer
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation and Recovery Act
REC	Recommended
REL	Recommended Exposure Limit
SARA	Superfund Amendments and Reauthorization Act of 1986
STEL	Short-term exposure limit
TCLP	Toxicity Characteristics Leaching Procedure
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
VOC	Volatile Organic Compounds