

REVISION DATE: 19/01/07

SAFETY DATA SHEET

Standard Plate Cleaner

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME ORB GENRAL PURPOSE PLATE CLEANER

APPLICATION A Lithographic plate cleaner

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2 COMPOSITION/INFORMATION ON INGREDIENTS

EC No. Name Classification CAS-No. Content

202-436-9 1,2,4-TRIMETHYLBENZENE R10 Xn;R20 Xi;R36/37/38
N;R51/53

95-63-6 10-30%

201-069-1 CITRIC ACID Xi;R36/37/38. 77-92-9 1-5%

202-704-5 CUMENE R10 Xn;R65 Xi;R37 N;R51/53 98-82-8 1-5%

ETHOXYLATED ISOTRIDECYL

ALCOHOL (EINECS OECD Polymer)

Xn;R22. Xi;R41. 24938-91-8 1-5%

203-604-4 MESITYLENE R10 Xi;R37 N;R51/53 108-67-8 1-5%

231-633-2 PHOSPHORIC ACID ...% C;R34 7664-38-2 1-5%

265-199-0 SOLVENT NAPHTHA (PETROLEUM),

LIGHT AROMATIC

Xn;R65. N;R51/53. R10,R66,R67. 64742-95-6 30-50%

215-535-7 XYLENE R10 Xn;R20/21 Xi;R38 1330-20-7 < 1

The Full Text for all R-Phrases are Displayed in Section 16

COMPOSITION COMMENTS

An emulsion (aqueous/petroleum distillate)

3 HAZARDS IDENTIFICATION

Flammable. Vapours may cause drowsiness and dizziness. Irritating to eyes, respiratory system and skin. Toxic

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

CLASSIFICATION Xi;R36/37/38. N;R51/53. R10, R67.

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. For breathing difficulties oxygen may be necessary. If breathing

stops, provide artificial respiration. Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION

Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the

lungs. Remove victim immediately from source of exposure. Provide rest, warmth and fresh air.

Get medical

attention immediately!

SKIN CONTACT

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin

immediately with soap and water. Get medical attention if irritation persists after washing.

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EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Contact physician if irritation persists.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Fire can be extinguished using: Carbon dioxide (CO₂). Foam. Dry chemicals, sand, dolomite etc.

SPECIAL FIRE FIGHTING PROCEDURES

Avoid breathing fire vapours. Cool containers exposed to flames with water until well after the fire is out. Keep

run-off water out of sewers and water sources. Dike for water control.

6 ACCIDENTAL RELEASE MEASURES

SPILL CLEAN UP METHODS

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry

sand or earth and place into containers. Do not let washing down water contaminate ponds or waterways. Wear

necessary protective equipment.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Maintain good standards of hygiene and work practices. Avoid spilling, skin and eye contact.

Keep away from

heat, sparks and open flame. Ventilate well, avoid breathing vapours. Use approved respirator if air

contamination is above accepted level.

STORAGE PRECAUTIONS

Flammable/combustible - Keep away from oxidisers, heat and flames. Store in tightly closed original container in

a dry and cool place. Keep in original container. Protect against physical damage and/or friction.

May attack

some plastics, rubber and coatings.

STORAGE CLASS

Flammable liquid storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Std ST - ppm LT - ppm LT - mg/m³ ST - mg/m³ Name

25 ppm 125 mg/m³ WEL 1,2,4-TRIMETHYLBENZENE

25 ppm(Sk) 125

mg/m³(Sk)

WEL 50 ppm(Sk) 250

mg/m³(Sk)

CUMENE

20 ppm 100 mg/m³ WEL MESITYLENE

1 mg/m³ WEL 2 mg/m³ PHOSPHORIC ACID ...%

40 ppm 200 mg/m³ WEL SOLVENT NAPHTHA (PETROLEUM),

LIGHT AROMATIC

50 ppm(Sk) 220

mg/m³(Sk)

WEL 100 ppm(Sk) 441

mg/m³(Sk)

XYLENE

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT

ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

Respiratory protection must be used if air contamination exceeds acceptable level.

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HAND PROTECTION

Nitrile.

EYE PROTECTION

Use approved safety goggles or face shield.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE Emulsion

COLOUR White / off-white

ODOUR Solvent.

SOLUBILITY Forms an emulsion with water.

BOILING POINT (°C) > 100 760 mm Hg **RELATIVE DENSITY** 0.96 g/ml @ 20°C

VAPOUR PRESSURE 0.11 (excluding water content) kPa @ 20°C

FLASH POINT (°C) 49 CC (Closed cup).

10 STABILITY AND REACTIVITY

STABILITY

Avoid: Heat, sparks, flames. Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid contact with strong oxidisers. Avoid heat, flames and other sources of ignition.

HAZARDOUS DECOMPOSITION PRODUCTS

Not known.

11 TOXICOLOGICAL INFORMATION

HEALTH WARNINGS

INHALATION. Irritating to respiratory system. Vapours may cause drowsiness and dizziness.

SKIN CONTACT.

Irritating to skin. **EYE CONTACT.** Irritating to eyes. **INGESTION.** May cause discomfort.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Volatile Organic Content (%) is equal to 50 - 55

MOBILITY

Solubility in water: Forms an emulsion with water

BIOACCUMULATION

No data available.

DEGRADABILITY

No data available.

ACUTE FISH TOXICITY

No data available.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

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WASTE CLASS

Regulation 2000/532/EC - Chapter Heading: Waste from MFSU of fine chemicals and chemical products not

otherwise specified - 070704. Description: Other organic solvents, washing liquids and mother liquors.

14 TRANSPORT INFORMATION

PROPER SHIPPING NAME Petroleum Distillates N.O.S. (Refined Hydrocarbons)

1268 **UN NO. ROAD III UK ROAD PACK GR.**

Class 3: Flammable

liquids.

ADR CLASS 3 ADR LABEL NO.

3 **RID CLASS NO. 1268 UN NO. SEA**

3 **IMDG CLASS III IMDG PACK GR.**

F-E , S-E **EMS MARINE POLLUTANT**

15 REGULATORY INFORMATION

LABELLING

Irritant Dangerous for the environment

RISK PHRASES

R10 Flammable.

R36/37/38 Irritating to eyes, respiratory system and skin.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R67 Vapours may cause drowsiness and dizziness.

SAFETY PHRASES

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37 Wear suitable gloves.

S51 Use only in well-ventilated areas.

S57 Use appropriate containment to avoid environmental contamination.

S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

EU DIRECTIVES

Dangerous Substances Directive (67/548/EEC). Dangerous Preparations Directive (1999/45/EC).

Safety Data

Sheets Directive (91/155/EEC) (As amended).

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

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APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone

HSG(108).

16 OTHER INFORMATION

GENERAL INFORMATION

The Flow Time of the product is >30 seconds in a 3mm ISO Cup according to ISO 2431. The product is exempt to R65 Labelling.

REVISION COMMENTS

UPDATES

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REV. NO./REPL. SDS

GENERATED

29/09/05

SDS NO. 4

RISK PHRASES IN FULL

Flammable. R10

Harmful by inhalation. R20

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

Harmful if swallowed. R22

Causes burns. R34

Irritating to eyes, respiratory system and skin. R36/37/38

Irritating to respiratory system. R37

Irritating to skin. R38

Risk of serious damage to eyes. R41

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R51/53

Harmful: may cause lung damage if swallowed. R65

Repeated exposure may cause skin dryness or cracking. R66

Vapours may cause drowsiness and dizziness. R67

DISCLAIMER

The information in this material Safety Data Sheet is based on the present state of our knowledge and on the current EC and

National Regulations. The information relates to the specific product designated and may not be valid if it is used in combination with other materials or process. Nothing herein is to be construed as warranty, expressed or implied. It is always the

responsibility of the user to take the necessary steps in order to fulfil the demands laid down in the rules and legislation.

The

product is for Industrial use only.

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