
1. Identification of the substance/preparation and company

1.1 Commercial product name

TH-60

1.2 Information manufacturer/supplier

Hitachi Europe GmbH
Am Seestern 18
D40547 Düsseldorf
Telephone : +49 (0) 211 52 83-0
Telefax : +49 (0) 211 52 83-649
Inquiry office : GBK Gefahrgutbüro GmbH
Emergency telephone number : ++49 (0) 6132-84463

2. Composition/information on ingredients

Chemical characterization : (preparation)

Makeup for printing ink

Hazardous components

(Full text of each relevant R phrase can be found in heading 16)

EC No.	CAS No.	Components	Value	Symbols	R-phrases
200-578-6	64-17-5	ethanol	80 - 90 %	F R11	
200-661-7	67-63-0	propan-2-ol	5 - 10 %	F, Xi	R11-36-67

3. Hazards identification

Symbols : Highly flammable

R-phrases :

Highly flammable.

4. First aid measures

General information

Remove contaminated soaked clothing immediately.
In the event of persistent symptoms receive medical treatment.

After inhalation

Move to fresh air in case of accidental inhalation of vapours.
If you feel unwell, seek medical advice.

After contact with skin

Wash off immediately with soap and plenty of water.
Consult a doctor if skin irritation persists.

After contact with eyes

If eye irritation persists, consult a specialist.
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

After ingestion

Induce vomiting only upon the advice of a physician.
Attention! Beware, danger of aspiration!
Do not induce vomiting.
Summon a doctor immediately.

5. Fire-fighting measures

Suitable extinguishing media

Foam, carbon dioxide (CO₂), dry chemical, water-spray

Extinguishing media that must not be used for safety reasons

Full water jet

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

Carbon monoxide and carbon dioxide.
Vapours are heavier than air and spread along ground.
The vapour/air mixture is explosive, even in empty, uncleaned receptacles.

Special protective equipment for firefighters

Use breathing apparatus with independent air supply.

Additional information

Cool containers at risk with water spray jet.

6. Accidental release measures

Personal precautions

In case of vapour formation use respirator.
Ensure adequate ventilation.
Use personal protective clothing.

Environmental precautions

Do not discharge into the drains or bodies of water.

Methods for cleaning up/taking up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).
Shovel into suitable container for disposal.

7. Handling and storage

7.1 Handling

Advice on safe handling

Keep container tightly closed.
Ensure adequate ventilation, especially in confined areas.
Avoid contact with skin, eyes and clothing.

Advice on protection against fire and explosion

Do not smoke - volatile.
Keep away from heat and sources of ignition.
Take precautionary measures against static discharges (earthing (grounding) at pouring)

7.2 Storage

Requirements for storage rooms and vessels

Keep container tightly closed in a dry, cool and well-ventilated place.

Advice on storage compatibility

Incompatible with oxidizing agents.

Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

Storageclass (VCI): 3 A

8. Exposure controls/personal protection

8.1 Exposure limit values

Exposure limits (EH40)

Components CAS No.	Exposure limit ml/m ³	mg/m ³	F/ml	Category	Origin
Ethanol 64-17-5	1000	1920		TWA (8 h) STEL (15 min)	OES OES
Propan-2-ol 67-63-0	400 500	999 1250		TWA (8 h) STEL (15 min)	OES OES

8.2 Exposure controls

Occupational exposure controls

Ensure adequate ventilation, especially in confined areas.
Pay attention to explosion protection rules.

Protective and hygiene measures

Wash hands before breaks and at the end of workday.
When using, do not eat, drink or smoke.
Avoid contact with skin, eyes and clothing.

Respiratory protection

In case of vapour formation use respirator.
Breathing apparatus in the event of high concentrations.

Hand protection

Protective gloves resistant to chemicals made off viton, Minimum coat thickness 0,7 mm, Permeation resistance (wear duration) approx. 10 minutes, i.e. protective glove <Vitoject 890> made by www.kcl.de
This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.
Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

Eye protection

safety goggles with side protection

12. Ecological information

Additional information

Do not flush into surface water or sanitary sewer system.
Slightly water hazardous.

13. Advice on disposal

Dispose

Can be incinerated, when in compliance with local regulations.
Where possible recycling is preferred to disposal

Waste disposal number of Waste from residues / unused product : 080312

WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of printing inks; waste ink containing dangerous substances
Classified as hazardous waste.

Contaminated packaging

Empty containers should be taken for local recycling, recovery or waste disposal.

14. Transport information

14.1 Land transport (ADR/RID)

ADR/RID:	3
Hazard-no.:	33
UN number:	1210
Hazard label:	3
ADR packaging group:	II

Description of the goods:

PRINTING INK

Remarks

"LQ 6: combination packaging: 5 I / 20 I; trays: 1 I / 20 I (20 kg total gross mass)"

14.2 Inland waterways transport

14.3 Marine transport

IMDG-Code:	3
UN number:	1210
EMS:	F-E, S-D
Packaging group:	II
Marine pollutant:	No

Description of the goods

PRINTING INK

Hazard label:	3
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14.4 Air transport

ICAO/IATA-DGR: 3
UN/ID number: 1210
Hazard label: 3

ICAO-packaging group: II

Description of the goods
PRINTING INK

Remarks

PAC 305 (1 L), CAC 307 (5 L)

14.5 Further Information

15. Regulatory information

15.1 Labelling

Indication of danger

F - Highly flammable

Labelling according to EC-guidelines

According to EC-regulations the product is to be labelled as follows:

R phrases

11
Highly flammable.

S phrases

02
Keep out of the reach of children.

15.2 National regulations

Water contaminating class: 1 - slightly water contaminating
1999/13/EC (VOC): < 90 %

16. Other information

List of relevant R phrases

11 Highly flammable.
36 Irritating to eyes.
67 Vapours may cause drowsiness and dizziness.

Other data

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

The delivery specifications are contained in the corresponding product sheet.

"(n.a. = not applicable; n.d. = not determined)"

Changes

This data sheet contains changes from the previous version in section(s) 8.1, 15.2
