

**SAFETY DATA SHEET**

According to EC-directive 2001/58/EC

ACCELERATOR NL-51P**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

Product label name Cobalt(II) 2-ethylhexanoate, 6% Co, in aliphatic ester	
Supplier Akzo Nobel Polymer Chemicals bv Stationsplein 4 PO Box 247 NL-3800 AE Amersfoort The Netherlands Tel.: +31-33 4676767 www.akzonobel-polymerchemicals.com	
Emergency telephone + 31 570679211 (Fax. + 31 570679801) Akzo Nobel Chemicals-Deventer-NL	
Intended use Auxiliaries for the Thermoset Industry	
Date of first issue 1993/07/14	Date of last issue / Revision # 2005/02/15 / 7.03

2. COMPOSITION/INFORMATION ON INGREDIENTS

This product is to be considered as a preparation in conformance to EC directives			
Information on hazardous ingredients			
Chemical description Cobalt(II) 2-ethylhexanoate, 6% Co, in aliphatic ester			
Composition / information on ingredients			
Number	% w/w	CAS-number	Chemical name
1	35.00	000136-52-7	Cobalt(II) 2-ethylhexanoate
2	40.00	006846-50-0	2,2,4-Trimethyl-1,3-pentanediol diisobutanoate
3	25.00	064742-48-9	Naphtha (petroleum), hydrotreated heavy

	Annex-1 number	EC-number	Symbol(s)	Risk-phrase(s)
1		205-250-6	Xi	R38 R43
2		229-934-9		none
3	649-327-00-6	265-150-3	Xn	R65

3. HAZARDS IDENTIFICATION

Irritating to skin. May cause sensitization by skin contact. Harmful: may cause lung damage if swallowed.

4. FIRST AID MEASURES

Symptoms and effects Irritating to skin. May cause sensitization by skin contact.
First aid
General In all cases of doubt, or when symptoms persist, seek medical attention.
Inhalation Move to fresh air, rest, half upright position, loosen clothing. In all cases of doubt, or when symptoms persist, seek medical attention.



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Skin

In case of skin eruption seek medical advice. Seek medical advice if irritation or skin eruption develops.

Eye

Rinse thoroughly with plenty of water. Eyelids should be held away from the eyeball to ensure thorough rinsing. Seek medical advice if irritation develops.

Ingestion

Only when conscious, rinse mouth, give plenty of water to drink. DO NOT induce vomiting. Seek medical advice.

Advice to physician

No additional information available.

5. FIRE-FIGHTING MEASURES

Extinguishing media

waterspray. foam. fire-extinguishing powder. Carbon dioxide.

Unsuitable extinguishing media

halones.

**Hazardous decomposition/
combustion products**

not determined

Protective equipment

Wear suitable protective clothing.

Other information

Cool closed containers with water.

Fire and explosion hazard

In case of fire and/or explosion do not breathe fumes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Avoid contact with skin. For personal protection see Section 8.

Environmental precautions

Collect as much as possible in a clean container for (preferable) reuse or disposal. Do not empty into drains.

Methods for cleaning up

Absorb the remainder with e.g. vermiculite.

Other information

For personal protection see Section 8.

7. HANDLING AND STORAGE

Handling

Do not pipet by mouth. Do not mix with organic peroxides.

Storage requirements

Store in a cool, dry place, separated from food. Do not mix with organic peroxides. Keep container upright to prevent leakage.

Other information

When using do not eat, drink or smoke. Wash thoroughly after handling. Keep working clothing separately and do not take them home.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls

Provide adequate ventilation. The usual precautionary measures for handling chemicals should be observed.

Personal protection

**ACCELERATOR NL-51P****Respiratory**

The usual precautionary measures for handling chemicals should be observed. Provide adequate ventilation.

Hand

Wear suitable protective gloves of neoprene or synthetic rubber.

Eye

Wear eye/face protection.

Skin and body

Wear suitable protective clothing and gloves. Take off contaminated clothing immediately.

Other information

Launder clothes before reuse.

Cobalt(II) 2-ethylhexanoate

Agency MEL-TWA

0.100 mg/m³

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour

liquid
clear violet
odour: faint

Boiling point/range

not determined

Melting point/range

-10 °C

Flash point

72 °C (Abel-Pensky closed cup)

Flammability

not determined

Explosive properties

no

Oxidizing properties

not determined

Vapour pressure

not determined

Density

963 kg/m³ (20 °C)

Bulk density

not applicable

Solubility in water

immiscible

Solubility in other solvents

Miscible in aromatic solvents pure phthalates

pH value

neutral character

Partition coefficient n-octanol/water

not determined

Relative vapour density (air=1)

not determined

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Viscosity 16.5 mPa.s (20 °C)
Active oxygen content not applicable
Peroxide content not applicable
Autoignition temperature not determined
SADT not relevant °C. See also Section 10.
Explosion limits not applicable
Specific conductivity not determined

10. STABILITY AND REACTIVITY

Stability SADT - (Self accelerating decomposition temperature) is the lowest temperature at which self accelerating decomposition may occur with a substance in the packaging as used in transport. A dangerous self-accelerating decomposition reaction and, under certain circumstances, explosion or fire can be caused by thermal decomposition at and above the following temperature: not relevant °C. Contact with incompatible substances can cause decomposition at or below the SADT not relevant °C.
Conditions to avoid Might react violently with (organic) peroxides. Therefore it is not allowed to store or transport the product in the presence of peroxides.
Stability No typical hazardous reactions known.
Incompatibilities No specific recommendations.
Decomposition not determined

11. TOXICOLOGICAL INFORMATION

Cobalt(II) 2-ethylhexanoate
Acute toxicity Oral LD50 rat:> 2000 mg/kg
Irritation Skin Moderately irritating Eye Non-irritating Sensitization May cause sensitization by skin contact. Genotoxicity Ames test: Not mutagenic

12. ECOLOGICAL INFORMATION



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No experimental ecological data are available on the preparation as such.

13. DISPOSAL CONSIDERATIONS

Product

Waste disposal in accordance with regulations. Absorb the remainder with e.g. vermiculite.

Contaminated packaging

Waste disposal in accordance with regulations.

14. TRANSPORT INFORMATION

Land transport (ADR/ RID) and / or DOT

TREM-Card or ERG Number

not relevant

Proper Shipping Name

Not classified as dangerous for land transport.

Sea transport (IMDG-code/ IMO)

IMO/IMDG code

not restricted

EMS

not relevant

Marine pollutant

no

Proper Shipping Name

Not classified as dangerous for sea transport.

Air transport (ICAO-TI/ IATA-DGR)

Proper Shipping Name

Not classified as dangerous for air transport.

15. REGULATORY INFORMATION

Chemical description

Cobalt(II) 2-ethylhexanoate, 6% Co, in aliphatic ester

Labelling according to EC directives

EC-number

not applicable

R(isk) phrase(s)

Code	Description
R38.	Irritating to skin.
R43.	May cause sensitization by skin contact.
R65.	Harmful: may cause lung damage if swallowed.

S(afety) phrase(s)


Code	Description
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S23.	Do not breathe fumes.
S24.	Avoid contact with skin.
S26.	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28.	After contact with skin, wash immediately with plenty of soap and water.
S50A.	Do not mix with organic peroxides.
S62.	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Symbol(s)	
	
HARMFUL	

16. OTHER INFORMATION

R-pharse information		
Chemical name	R(isk) phrase(s)	
Cobalt(II) 2-ethylhexanoate	R38 R43	Irritating to skin May cause sensitization by skin contact
2,2,4-Trimethyl-1,3-pentanediol diisobutanoate	none	none
Naphtha (petroleum), hydrotreated heavy	R65	Harmful: may cause lung damage if swallowed

History
Date of printing/ pdf file generated 2005/10/28
Revision 7.03
Composed by J.W. Wessels - Regulatory Affairs - Europe. J.M.G.M. Reijnders.
Changes were made in section 1
<small>This information only concerns the above mentioned product and does not need to be valid if used with other product(s) or in any process. The information is to our best present knowledge correct and complete and is given in good faith but without warranty. It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product.</small>