



MATERIAL SAFETY DATA SHEET

PART NUMBER 11 10 81 and 11 10 82

SECTION 1 PRODUCT IDENTIFICATION AND MANUFACTURE

Company Metprep Limited
Curriers Close
Charter Avenue
Coventry
CV4 8AW

Telephone 02476 421222

Fax 0 2476 421192

PRODUCT KLEER SET ACCELERATOR

SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NATURE: Cobalt(II) 2-ethylhexanoate, 1% Co, in aliphatic ester

INGREDIENT (S):	CAS NUMBER:	%:	HAZARD SYMBOL:	R PHRASES:
Cobalt (II) 2-ethylhexanoate	136-52-7	6	X _i	R43
2,2,4-Trimethyl-1,3-pentadiol diisobutanoate	6846-50-0	89	none	none
Mixture of aliphatic & aromatic Hydrocarbon solvents	64742-82-1	5	none	none

SECTION 3 SUBSTANCE HAZARD IDENTIFICATION

May cause sensitisation by skin contact

SECTION 4 FIRST AID MEASURES

GENERAL INFORMATION: Harmful if swallowed. Causes burns. Risk of serious damage to eyes. Seek medical advice immediately.

INHALATION: Remove to fresh air, keep patient warm and at rest, if breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious place in recovery position and seek medical advice.

SKIN: Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.

EYE: Irrigate copiously with clean, fresh water for at least 10 minutes, holding eyelids apart. Seek medical advice.

INGESTION: Only when conscious, rinse mouth, give plenty of water to drink (approx 500ml). DO NOT induce vomiting. Seek medical attention.



SECTION 5 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: alcohol resistant foam, CO₂, powders, water spray. Keep fire exposed containers cool by spraying with water.

UNSUITABLE MEDIA: Halones

FIRE & EXPLOSION HAZARDS: In case of fire and/or explosion do not breathe fumes.

FIRE FIGHTING PROTECTIVE EQUIPMENT: Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or watercourses.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid contact with skin and eyes. 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: The waste should not be confined. Absorb the remainder with e.g. vermiculite.

SECTION 7 HANDLING AND STORAGE

Handling Do not pipette by mouth. Do not mix with organic peroxides. No smoking.

Storage Keep away from food and drink. Store in the original container securely closed at room temperature. Do not mix with organic peroxides.

STORAGE TEMPERATURE: Preferably not exceeding 20 °C.

INDUSTRIAL HYGIENE PRACTICES:

Wash face and hands thoroughly with the soap and water after use and before eating, drinking, smoking or applying cosmetics.

SECTION 8 EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Measures.

Ensure good ventilation and local exhaustion of the working area. Explosion proof ventilation recommended.

Exposure Limits.

Personal Protection.

Respiratory protection: Do not breathe vapour. Ensure good ventilation and local exhaustion of the working area.
Hand protection: Wear suitable gloves of neoprene or synthetic rubber.
Eye protection: Wear eye/face protection. A face shield is preferred to goggles.
Skin protection: Wear suitable protective clothing and gloves. Take off contaminated clothing immediately



SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	liquid
Colour:	clear purple
Odour:	faint
Boiling point:	not determined
Melting point:	-20 °C
Flash point:	89 °C (Setaflash ISO 3679)
Flammability:	not determined (DIN 51794)
Auto-ignition temperature:	not determined
Explosive properties:	no
Explosion limits:	not applicable
Oxidising properties:	not applicable
Vapour pressure:	not determined
Density:	933 kg/m ³ (20 °C)
Solubility in water:	immiscible
Solubility in other solvents:	phthalates
pH value	neutral character
Viscosity	6.6 mPa. s (20 °C)
Active oxygen content	not applicable
Peroxide content	not applicable
SADT	not relevant

SECTION 10 STABILITY AND REACTIVITY PROPERTIES

Stability:	No typical hazardous reactions known
Conditions to avoid:	Might react violently with (organic) peroxides. Therefore it is not allowed to store or transport the products in the presence of peroxides.
Materials to avoid:	No specific recommendations.
Hazardous decomposition products:	Not determined

SECTION 11 TOXICOLOGICAL INFORMATION

Name	Cobalt (II) 2-ethylhexanoate
LD50 Acute oral toxicity in rats:	> 2000 mg/kg
Eye irritation:	Non-irritating
Skin irritation:	Moderately irritating
Skin sensitisation:	May cause sensitisation by skin contact

SECTION 12 ECOLOGICAL INFORMATION

No experimental ecological data are available on the preparation as such

SECTION 13 DISPOSAL CONSIDERATIONS

Waste disposal in accordance with local regulations. Contaminated packaging materials should be disposed of identically to the product itself. Packaging materials that are not contaminated should be treated as household waste or as recycling material.

SECTION 14 TRANSPORT INFORMATION



Land Transport

ADR Class:	not restricted	Number/letter:	not relevant
RID Class:	not restricted	Number/letter:	not relevant
Hazard Identification No.		Substance identification No.	
TREM-Card	not relevant	UN Number	none
Proper shipping name	No dangerous good according to national and international transport regulations.		
National regulations			
Other information			

Sea Transport

IMDG Code:		Class:	not restricted
Packing group	not relevant	UN number	none
EMS	not relevant	MFAG	not relevant
Proper shipping name	No dangerous good according to national and international transport regulations.		
Other information			

Air Transport

ICAO-TI/IATA-DGR: Class	not restricted	UN Number Packing group	none not relevant
-------------------------	----------------	----------------------------	----------------------

Proper shipping name No dangerous good according to national and international transport regulations.
Other information

SECTION 15

REGULATORY INFORMATION

EC REGULATIONS –

Danger classification:	labelling required
Hazard labels:	(X) Irritant
R phrases:	R-43 May cause sensitisation by skin contact.
S phrases	S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S-28 After contact with skin, wash immediately with plenty of soap and water.
	S-50 Do not mix with organic peroxides.

SECTION 16

OTHER INFORMATION

This data sheet was prepared in accordance with Directive 91/155/EEC.

The above information has been gathered from reliable sources and is believed to be correct. However, the information is provided without any warranty, either expressed or implied. MetPrep Ltd shall not be held liable for any damage resulting from the handling of or contact with the above product..