

# Material Safety Data Sheet

# **HUNTSMAN**

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product name:** ACCELERATOR NO. 2

**Other names:** Cobalt salt of 2-ethylhexanoic acid in combustible petroleum hydrocarbons (6% cobalt)  
Cobalt octoate in combustible petroleum hydrocarbons (6% cobalt)  
Cobalt octoate 6% ("Combustible")

**Recommended use:** Accelerator or promoter in curing of unsaturated polyester resins. Supplied in 200 L drums. May also be repacked into smaller containers for use by industry and the public.

**Manufacturer /Supplier:** Huntsman Chemical Company Australia Pty Limited

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Brooklyn, Victoria 3012  
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## 2. HAZARDS IDENTIFICATION

### Health Hazard classification

This material is classified as hazardous according to the health criteria of NOHSC Australia.

### Hazard category

Xn Harmful

### Risk phrase(s)

R65 Harmful: may cause lung damage if swallowed.  
R43 May cause sensitisation by skin contact  
R36/38 Irritating to eyes and skin

### Safety phrase(s)

S(2) Keep out of reach of children  
S23 Do not breathe vapour  
S24 Avoid contact with skin  
S62 If swallowed do not induce vomiting; seek medical advice immediately and show this container or label.

### Dangerous Goods classification

Not classified as Dangerous Goods by the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

**Poisons schedule (Aust):** 5

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name   | CAS No.                  | Proportion, % wt. |
|---|--------------------------|-------------------|
| Cobalt octoate (Note)   | 136-52-7                 | Approx. 36        |
| Naphtha (petroleum), hydrotreated heavy.<br>or Solvent naphtha (petroleum), heavy light | 64742-48-9<br>64742-96-7 | Approx. 64        |

Note: Also known as cobalt salt of 2-ethylhexanoic acid.

## 4. FIRST AID MEASURES

For advice, contact Poisons Information centre (Phone Australia 13 1126) or a doctor at once.

### Ingestion:

If swallowed, do NOT induce vomiting. Give a glass of water. Never give drink to an unconscious person. Lean patient's head forward lower than hips to prevent breathing vomitus into the lungs. Transport to a doctor or hospital quickly. For further advice call Poisons Information Centre.

### Eye contact:

Immediately flush with plenty of water for at least 15 minutes, with eyelids held open. Seek immediate medical advice.

### Skin contact:

Wash skin thoroughly with soap and water. Remove contaminated clothing. Wash clothing before re-use.

### Inhalation:

If inhaled, remove to fresh air. Seek medical assistance if discomfort persists.

### First aid facilities:

Provide eye baths and safety showers close to areas where there is potential for eye and skin contact.

### Medical attention and Special Treatment:

Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

Combustible liquid.

### Suitable extinguishing media:

Foam, carbon dioxide and dry chemical extinguishers may be used.

### Hazards from combustion products:

Combustion products include carbon monoxide and carbon dioxide.

### Precautions for fire fighters and special protective equipment:

Fire-fighters and others exposed to the products of combustion should wear self-contained breathing apparatus. Equipment should be thoroughly decontaminated after use.

There is a possibility of pressure build-up in closed containers leading to violent rupture of containers when heated. Use water spray to cool exposed closed containers.

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## 6. ACCIDENTAL RELEASE MEASURES

### Emergency procedures:

Keep unprotected people away. Wear appropriate protective equipment to prevent skin and eye contact and inhalation of vapours (See "Personal Protection" section). Remove all ignition sources. Increase ventilation. Contain and absorb spill with dry absorbent such as sand, earth, vermiculite or other inert absorbent and seal in properly labelled drums for disposal. Keep out of sewer, stormwater drains and waterways.

### Methods and materials for containment and clean up procedures:

Contain and absorb spill with absorbent such as sand, earth, vermiculite or other inert absorbent and seal in properly labelled drums for disposal in an approved manner.

The product is a potential environmental pollutant. If feasible, recycle. Otherwise, dispose of by burning in an approved incinerator. In all cases, disposal should be in accordance with regulations.

## 7. HANDLING AND STORAGE

### Precautions for safe handling:

Not classified as a Dangerous Good for transport.

Classified as a Combustible Liquid (AS1940 Class C1). Keep away sources of ignition and strong heat. Store and handle in accordance with State and Territory regulations.

### Conditions for safe storage:

Combustible liquid. Keep away sources of ignition and strong heat.

Store under cover, in a well ventilated area, away from sources of ignition sources and strong heat. Keep containers closed when not in use. Keep away from food, drinks and animal feedstuffs. Keep away from strong oxidisers such as organic peroxide catalysts. Cobalt accelerators must never be mixed directly with organic peroxides as an explosion and/or fire may result.

Refer AS1940 for further information on the storage and handling of flammable and combustible liquids.

The material is a Schedule 5 Poison and must be stored, maintained and used in accordance with relevant regulations.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### National exposure standards:

NOHSC has not established an exposure standard for this product.

Suppliers of the petroleum hydrocarbon solvents recommend the following exposure limits:

Petroleum hydrocarbon vapour TWA 8-hour: 100 ppm

Oil mist TWA 8-hour: 5 mg/m<sup>3</sup>

Keep exposures as low as practicable within exposure standards.

### Biological limit values

None established by NOHSC.

### Engineering controls:

Special ventilation is not normally required. Nevertheless, adequate ventilation to minimise exposure levels within the exposure standards and/or to prevent worker discomfort should be provided.

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## Personal protective equipment:

Avoid breathing vapours and/or mist. If inhalation risk exists, wear respiratory protection equipment meeting AS/NZS1716 in accordance with AS/NZS1715. For low vapour concentrations, an air-purifying respirator fitted with appropriate filters may be suitable. Air-purifying respirators do not provide protection in oxygen-deficient atmospheres. Consult respirator supplier. High or unknown airborne concentrations and/or confined spaces may require the use of self-contained breathing apparatus or supplied air respirator.

Wear chemical splash goggles or safety glasses with side-shields, impervious gloves (eg. nitrile rubber or neoprene), coveralls and safety boots. Protective equipment/clothing should meet, and be selected and used in accordance with, the relevant Australian Standards (including those above). Consult protective equipment/clothing supplier for appropriate equipment/clothing for a given application.

Use only in well ventilated areas. Wash thoroughly after handling. When using, do not eat, smoke or drink. Protective equipment/clothing should be decontaminated before storage or reuse.

Wear work trousers and long-sleeved shirt and safety boots where potential for skin contact is low. Wear impervious clothing, such as PVC splashsuit or apron and PVC or rubber boots, for operations where the potential for skin contact is high.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Form / colour / odour:** Dark blue liquid with typical hydrocarbon odour.

|  |   |
|--|---|
| pH: N App  | Flash Point (°C): >61 deg. C                |
| Vapour Pressure (20°C): <0.1kPa                                      | Flammability Limits (%): 0.7-6%             |
| Rel Vapour Density (air=1): N Av                                     | Autoignition Temp (°C): N Av                |
| Boiling Point (°C): 150-280 @760 mm Hg                               | Evaporation Rate: (n-Butyl acetate=1): N Av |
| Melting Point (°C): N App  | Octanol/water partition coefficient: N Av   |
| Solubility in water: Immiscible                                      | Decomp. Point (°C): N Av                    |
| Solubility in organic solvents: Miscible with most organic solvents. |   |
| Specific Gravity (25°C): 0.9   |   |

(Typical values only - consult specification sheet)  
N Av = Not available N App = Not applicable

## 10. STABILITY AND REACTIVITY

### Chemical stability:

Stable under normal storage conditions.

### Conditions to avoid:

Keep away from strong oxidisers such as organic peroxide catalysts.  
Keep away from sources of ignition and strong heat.

### Incompatible materials:

Keep containers closed when not in use. Keep away from strong oxidisers such as organic peroxide catalysts. Cobalt accelerators must never be mixed directly with organic peroxides as an explosion and/or fire may result.

### Hazardous decomposition products:

Combustion products include carbon monoxide and carbon dioxide.

### Hazardous reactions:

Cobalt accelerators must never be mixed directly with organic peroxides as an explosion and/or fire may result.

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms that may arise if the product is mishandled are:

### Acute Effects

#### Ingestion:

Harmful if swallowed. This material may be aspirated (drawn into the lungs) by swallowing or following vomiting of stomach contents, and can cause severe and potentially fatal chemical pneumonitis (inflammation of the lungs). May cause nausea, vomiting, cough and irritation of the lungs. If a large amount (>1 ml/kg body weight) is swallowed symptoms of central nervous system (CNS) depression occur and include weakness, dizziness, unconsciousness and convulsions.

#### Eye contact:

May cause mild eye irritation.

#### Skin contact:

Irritating to skin. Prolonged or repeated skin contact may result in irritant and/or allergic contact dermatitis.

#### Inhalation:

May cause irritation to the respiratory system. Inhalation of high concentrations of vapour, mists or fumes can have effects on the central nervous system (CNS) resulting in headaches, dizziness, unco-ordination, nausea, loss of appetite and possibly loss of consciousness.

### Chronic Effects:

Prolonged or repeated skin contact may result in irritant and/or allergic contact dermatitis.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Not available.

### Persistence/degradability

Not available.

### Mobility

Not available.

## 13. DISPOSAL CONSIDERATIONS

### Disposal methods:

The product is a potential environmental pollutant. If feasible, recycle. Otherwise, dispose of by burning in an approved incinerator. In all cases, disposal should be in accordance with regulations.

### Special precautions for landfill or incineration:

Emptied containers retain product residue. Observe safeguards on label and in this MSDS until container is cleaned, reconditioned or destroyed. In all cases, disposal should be in accordance with regulations.

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## 14. TRANSPORT INFORMATION

**Road and Rail Transport (ADG Code)**  
Not classified as Dangerous Goods.

**Marine Transport (IMDG Code)**  
Not classified as Dangerous Goods.

**Air Transport (IATA Regulations)**  
Not classified as Dangerous Goods.

## 15. REGULATORY INFORMATION

| Country/Region | Inventory | Status                     |
|----------------|-----------|----------------------------|
| Australia      | AICS      | All components are listed. |

Poisons schedule (Aust): 5

## 16. OTHER INFORMATION

**Reason(s) for Issue:** Change to NOHSC 16-part MSDS format.

**Abbreviations:**

AICS: Australian Inventory of Chemical Substances  
IMDG Code: International Maritime Dangerous Goods Code  
IATA Regulations: International Air Transport Association Regulations  
IARC: International Agency for Research on Cancer  
NOHSC: National Occupational Health and Safety Commission Australia

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