

Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 01/01/2014

Reviewed on 01/01/2014

1 Identification of the substance/mixture and of the company/undertaking

MANUFACTURER: Munro Products
DISTRIBUTOR: 9150 Clarence Center Road
 Clarence Center, NY 14032

INFORMATION: 716/741-9450
EMERGENCY: CHEMTREC 1-800-424-9300

PRODUCT CLASS: Topcoat Accelerator
TRADE NAME: Miracle Cure CX-77

CODE: CX-77


Application of the substance / the preparation:

Catalyst for blocked isocyanate and two component urethane coatings

2 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** bismuth carboxylate (75-80%) in solution

· Dangerous components:

149-57-5	2-ethylhexanoic acid	 H361	20-25%
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3 Hazards identification

- **Classification of the substance or mixture**



GHS08 Health hazard

H361 Suspected of damaging fertility or the unborn child.

- **Label elements**
- **Hazard-determining components of labeling:**
2-ethylhexanoic acid
- **Risk phrases:**
Possible risk of harm to the unborn child
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Health = 2
 Fire = 1
 Reactivity = 0

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· HMIS-ratings (scale 0 - 4)

HEALTH	2	Health = 2
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

* 4 First aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.

* 5 Firefighting measures

- **Suitable extinguishing agents:** CO₂, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture**
In case of fire, sulfur oxides and other toxic gases may form.
- **Protective equipment:** Wear self-contained respiratory protective device.

* 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.
- **Environmental precautions:**
Do not allow product to reach sewage system or any water course.
- **Methods and material for containment and cleaning up:**
Absorb spills with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

* 7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Product should be handled in accordance with good Industrial Hygiene and Safety practices. Adequate exhaust ventilation should be provided in work areas. Prevent formation of aerosols.
- **Information about protection against explosions and fires:**
No special measures required.

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- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store tightly sealed original container in a cool, dry place away from any direct source of heat, light and moisture.
- **Information about storage in one common storage facility:**
See "Requirements to be met by storerooms and receptacles"

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

- **Components with limit values that require monitoring at the workplace:**

149-57-5 2-ethylhexanoic acid

TLV	5* mg/m ³ *as inhalable fraction and vapor
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- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Avoid contact with the eyes and skin.
- **Breathing equipment:**
If the above noted exposure limits are exceeded, use a suitable respiratory filter device.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Eye protection:**



Tightly sealed goggles

- **Body protection:** Impervious protective clothing

9 Physical and chemical properties

- **Appearance:**
 - Form:** Liquid
 - Color:** Light yellow
- **Odor:** Characteristic
- **pH-value at 20°C (68 °F):** 4.5 (80% IPA)
- **Boiling point/Boiling range:** 227°C (441 °F)
- **Flash point:** >118°C (>244 °F) (ASTM D 93 PMCC)

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· Ignition temperature:	310.0°C (590 °F)
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard when handled properly.
· Density at 20°C (68 °F):	1.200 g/cm ³ (10.014 lbs/gal) (ASTM D 4052)
· Solubility in / Miscibility with water:	Soluble in aliphatics, aromatics, glycol ethers; limited solubility in alcohols, esters; insoluble in water

* 10 Stability and reactivity

- **Incompatible materials:**
Avoid contact with strong acids, strong bases (e.g. alkalis) and oxidizers
- **Hazardous decomposition products:**
No dangerous decomposition products known if used according to product recommendations.

* 11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** *may be irritating to skin upon prolonged or repeated contact*
- **in the eye:** *may be irritating to eyes upon prolonged or repeated contact*
- **Sensitization:** *no sensitizing effects known*
- **Additional toxicological information:**
*The product shows the following dangers according to internally approved calculation methods for preparations:
The product can cause heritable damage.*

* 12 Ecological information

- **Aquatic toxicity:** *No further relevant information available.*
- **Behavior in environmental systems:**
- **Bioaccumulative potential** *No further relevant information available.*
- **Additional ecological information:**
- **General notes:**
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach ground water, water course or sewage system.

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- **Uncleaned packagings:**
- **Recommendation:** *Disposal must be made according to official regulations.*

14 Transport information

- **UN-Number**
- **DOT, ADR, ADN, IMDG, IATA** *Void*
- **UN proper shipping name**
- **DOT, ADR, ADN, IMDG, IATA** *Void*
- **Transport hazard class(es)**
- **DOT, ADR**
- **Class** *Void*
- **ADN/R Class:** NOT REGULATED
Void
- **Packing group**
- **DOT, ADR, IMDG, IATA** *Void*
- **Environmental hazards:**
- **Marine pollutant:** *No*
- **Special precautions for user** *Not applicable.*
- **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** *Not applicable.*
- **UN "Model Regulation":** -

15 Regulatory information

- **SARA**

- **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

- **Section 313 (Specific toxic chemical listings):**

None of the ingredients are listed.

- **Proposition 65**

- **Chemicals known to cause cancer:**

None of the ingredients are listed.

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

- **Chemicals known to cause developmental toxicity:**

149-57-5 | 2-ethylhexanoic acid

- **Carcinogeny categories**

- **EPA (Environmental Protection Agency)**

None of the ingredients are listed.

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· **IARC (International Agency for Research on Cancer)**

None of the ingredients are listed.

· **NTP (National Toxicology Program)**

None of the ingredients are listed.

· **TLV (Threshold Limit Value established by ACGIH)**

149-57-5	2-ethylhexanoic acid	5 mg/m ³	276.0 g/l
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· **MAK (German Maximum Workplace Concentration)**

None of the ingredients are listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients are listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients are listed.

· **Hazard-determining components of labelling:**

2-ethylhexanoic acid

· **Risk phrases:**

Possible risk of harm to the unborn child

· **National regulations:**

Product is listed or in compliance with: US TSCA, CANADA DSL, EEC EINECS, EEC REACb, AUSTRALIA AICS, CHINA IECSC, JAPAN MITI, KOREA ECL, PHILIPPINES PICCS, NEW ZEALAND NZIoC, TAIWAN ECN.

16 Other information

To the best of our knowledge, the information contained herein is accurate. However, neither King Industries nor any of its distributors assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.

· **Relevant phrases**

H361 Suspected of damaging fertility or the unborn child.

· **Department issuing MSDS:** Regulatory

· **Contact:** Peni Nicholas

USA

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