

# The Kindt-Collins Company LLC

# 12651 Elmwood Ave Cleveland, Chie 44111

# **Dynacast Part A**

DATE PREPARED:

4/1/04

LAST REVISION:

4/1/04

# 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER: KI

Kindt-Collins Company LLC

INFORMATION PHONE:

(216) 252-4122

12651 Elmwood Ave

EMERGENCY PHONE:

(800) 424-9300

Cleveland, OH 44111

(Chemtrec)

PRODUCT NAME:

Dynacast Part A

**PRODUCT NUMBER:** 

**UPC NUMBER:** 

SYNONYMS:

Dynacast A

PREPARED BY

Kathy Louney-Bilski

# 2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name

CAS#

Ingredient % OSH

OSHA PEL

ACGIH TLV

METHYLENE BISPHENYL ISOCYANATE

101688

15

3

PEL = (C)0.02 ppm((C)0.2mg/M3)

TLV = 0.005ppm(0)

(3) mg/M3)

AROMATIC PETROLEUM HYDROCARBON

64742956

50 ppm

## 3. HAZARDOUS IDENTIFICATION

## **EMERGENCY OVERVIEW:**

## POTENTIAL HEALTH EFFECTS

**EYE CONTACT:** 

May Cause Tearing

INHALATION:

Breathlessness, severe coughing, chest discomfort

INGESTION:

Oral LD50 for rats is >15000 MG/KG on MDI

SKIN CONTACT:

Minor Irritation May Occure

## SIGNS AND SYMPTOMS OF EXPOSURE:

Eye, skin, or respiratory imitation.

## 4. FIRST AID MEASURES

**EYE CONTACT:** 

Flush with Copious Amounts of water for 15 minutes; Contact Physician

INHALATION:

Remove victim to fresh air (away from source) if symptoms of over exposure develop, get medical

attention.

INGESTION:

Do Not Induce Vomiting, Give one Glass of Water or Milk, Contact Physician immediately

SKIN CONTACT:

Wash affected area with soap and water. If irritation persists, get medical attention.

Dynacast Part A Page 1 of 4

# AGGRAVATED MEDICAL CONDITIONS:

None Known

# SUPPLEMENTAL HEALTH INFORMATION:

Small % of population may develop allergic sensitivity leading to asthma-like symtoms on subsequent exposure below the TLV of MDI

## 5. FIRE FIGHTING MEASURES

**FLAMMABLE PROPERTIES** 

FLASH POINT: >300°F COC

FLASH POINT METHOD USED: COC

AUTOIGNITION: N

N/A

LEL: N/A

UEL: N/A

**EXTINGUISHING MEDIA:** 

Use type ABC extinguisher

# SPECIAL FIRE FIGHTING PROCEDURES:

Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece in positive pressure mode. Move containers from fire area if it can be done without risk. Use water to keep fire-exposed containers cool.

## UNUSUAL FIRE AND EXPLOSION HAZARDS:

Avoid water contaminiation in closed containers or confined areas (carbon dioxide evolved-exothermic, dangerous pressure can develop).

## COMBUSTION PRODUCTS:

@500°F- Carbon Nonoxide, Nitrogen Oxides, Traces of Hydrogen Cyanide

# 6. ACCIDENTAL RELEASE MEASURES

# STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED:

Avsorb on absorbent material

## 7. HANLDING AND STORAGE

## PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Use good industrial hygiene and safety practices employed with any industrial chemical

### OTHER PRECAUTIONS:

Practice good houskeeping. Clean up spills promptly.

# 8. EXPOSURE CONTROL/PERSONAL PROTECTION

## RESPIRATORY PROTECTION:

Dust respirations are only necessary when performing operations such as grinding, machining or polishing the cast products

VENTILATION: F

Face Velocity-60PPM: Use only with adequate ventilation

PROTECTIVE GLOVES:

Chemical resistant protective gloves

**EYE PROTECTION:** 

A face shelld is recommended

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

A chemical resistant apron and other protective gear may be

used as needed to reduce chances of contact

## **WORK / HYGENIC PRACTICES:**

Wash thoroughly with soap and water before eating, after ech shift, or after any contact with product. Launder work clothes frequently

ENGINEERING CONTROLS: CONTAINERS CONTAMINATED BY MOISTURE SHOULD BE LEFT VENTED

**EXPOSURE GUIDELINES:** 

# 9. PHYSICAL AND CHEMICAL PROPERTIES

SOLUABILITY IN WATER: N/A APPEARANCE AND ODOR: Brown liquid, slight erometic odor

BOILING POINT: >300°F FREEZING POINT: N/A

VAPOR PRESSURE <10mmHg @25°C PERCENT VOLATILE: 5-10%

EVAPORATION: (Butyl Acetate=1) <.2 PH: N/A

POUNDS PER GALLON N/A MOLECULAR WEIGHT: N/A

SPECIFIC GRAVITY: 1.7 VAPOR DENSITY: 8.0

MELTING POINT: N/A OTHER PROPERTIES: VOC 2.9%

## 10. STABILITY AND REACTIVITY

STABLE: Stable INCOMPATIBILITY: Water, Strong Bases, Alcohols, and Metal Compounds.

HAZARDOUS DECOMPOSITION Carbon Monoxide, Nitrogen Oxides, and trace amounts of Hydrogen Cyanide.

OR BY PRODUCTS:

HAZARDOUS May Occur

POLYMERIZATION:

# 11. TOXICOLOGY INFORMATION

THRESHOLD LIMIT VALUE: .02 PPM ON MDL MIXTURE

# 12. ECOLOGICAL INFORMATION

## 13. DISPOSAL CONSIDERATIONS

Any disposal practice must be in compliance with federal, state, and local regulations. Do not dump into sewers, on the ground, or in any body of water.

# 14. TRANSPORTATION INFORMATION

DOT CLASS: DIPHENYLMETHANE - 4,4, - DIISOC

HAZARD CLASS: N/A
UN NUMBER: N/A

PACKING: N/A
GUIDE NUMBER: N/A

PROPER SHIPPING NAME: DIPHENYLMETHANE - 4,4, - DIISOC

# 15. REGULATORY INFORMATION

## EC Classification:

### **SARA Title III**

per 40 CFR 372.45(f) toxic chemicals if so listed here in the mixture do not exceed the specified upper bound concentration value listed as Wt%

# Section 302 : Extremely Hazardous (if Section is blank - then it is N/A (not applicable))

Chemical Name

CAS number

Wt. %

# Section 311-312: Hazardous Catergorization (If Section is blank - then it is N/A (not applicable))

Chemical Name

CAS number

Wt. %

METHYLENE BISPHENYL

101688

15

ISOCYANATE

**HYDROCARBON** 

AROMATIC PETROLEUM

64742956

3

# Section 313: Toxic Chemical (if Section is blank - then it is N/A (not applicable))

Chemical Name

CAS number

Wt. %

METHYLENE BISPHENYL

101688

ISOCYANATE

15

WHIMIS

(If Section is blank - then it is N/A (not applicable))

Chemical name

CAS number

Wt. %

METHYLENE BISPHENYL

101688

15

ISOCYANATE

#### (If Section is blank - then it is N/A (not applicable)) **Proposition 65**

METHYLENE BISPHENYL

101688

15

ISOCYANATE Chemical name

**CAS** number

Wt. %

## 16. OTHER INFORMATON

HMIS INFORMATION:

HEALTH: 2

FLAMMABILITY:

REACTIVITY:

1

PROTECTIVE: F

## DISCLAIMER

The information contained herein is based on the data available to The Kindt-Coilins LLC and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. We assume no responsibilities for injury from the use of this product desribed herein.

We only warrant to you, but no other persons, that the product herein shall conform to our Quality Assurance specifications on the date of shipment to you. Any technical advise, information, or recommendations given to you is given gratis without any warranty, expressed or implied.



# The Kindt-Collins Company LLC

# 12651 Elmwood Ave Cloveland, Shio 44111

Dynacast Part B

DATE PREPARED:

4/2/04

LAST REVISION:

4/2/04

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER: Kindt-Collins Company LLC

INFORMATION PHONE:

(216) 252-4122

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PRODUCT NAME:

Dynacast Part B

PRODUCT NUMBER:

**UPC NUMBER:** 

SYNONYMS:

Dynacast B

PREPARED BY

Kathy Louney-Bilski

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name

CAS# In

Ingredient %

OSHA PEL ACGIH TLV

50 ppm

AROMATIC PETROLEUM HYDROCARBON

64742956

7

## 3. HAZARDOUS IDENTIFICATION

**EMERGENCY OVERVIEW:** 

Non-Regulated

POTENTIAL HEALTH EFFECTS

**EYE CONTACT:** 

May Cause Tearing

INHALATION:

N.E

INGESTION:

N.E

SKIN CONTACT:

Minor Irritation May Occur

SIGNS AND SYMPTOMS OF EXPOSURE:

Eye, skin, or respiratory irritation.

4. FIRST AID MEASURES

**EYE CONTACT:** 

Flush with Copious Amounts of water for 15 minutes; Contact Physician

INHALATION:

Remove From Contaminated Area, Administer Oxygen

INGESTION:

Do not induce vomiting, give one glass of water or milk: Contact Physician

SKIN CONTACT:

Wash with soap and water. Get medical attention if irritation develops or persists.

AGGRAVATED MEDICAL CONDITIONS:

Dynacast Part B Page 1 of 4

N.E.

# SUPPLEMENTAL HEALTH INFORMATION:

N/A

# 5. FIRE FIGHTING MEASURES

# FLAMMABLE PROPERTIES

FLASH POINT: >300°F COC FLASH POINT METHOD USED: COC

AUTOIGNITION: N/A LEL: N/A UEL: N/A

**EXTINGUISHING MEDIA:** 

Use type ABC extinguisher

# SPECIAL FIRE FIGHTING PROCEDURES:

Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece in positive pressure mode. Move containers from fire area if it can be done without risk. Use water to keep fire-exposed containers cool.

# UNUSUAL FIRE AND EXPLOSION HAZARDS:

N/A

## **COMBUSTION PRODUCTS:**

Smoke, Furnes, Carbon Monoxide

# 6. ACCIDENTAL RELEASE MEASURES

# STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED:

Absorb on absorbent material

## 7. HANLDING AND STORAGE

# PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Use good industrial hygiene and safety practices employed with any insustrial chemical

### OTHER PRECAUTIONS:

Dispose of empty containers in accordance with local, state and federal regulations

# 8. EXPOSURE CONTROL/PERSONAL PROTECTION

## RESPIRATORY PROTECTION:

Use NIOSH approved equipment if airborne exposure is excessive

VENTILATION: 60 PPM: use only with adequete ventilation

PROTECTIVE GLOVES: Chemical resistant protective gloves

EYE PROTECTION: Face shield is recommended

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: A chemical resistant apron and other protective gear may be

used as needed to reduce chances of contact.

## **WORK / HYGENIC PRACTICES:**

Wash thoroughly with soap and water before eating, after each shift, or after any possible contact with this product. Launder work clothes frequently.

ENGINEERING CONTROLS: Use only with adequate ventilation

Dynacast Part B Page 2 of 4

# **EXPOSURE GUIDELINES:**

# 9. PHYSICAL AND CHEMICAL PROPERTIES

SOLUABILITY IN WATER: 15-25% APPEARANCE AND ODOR: Blue liquid slight aromatic odor

BOILING POINT: >300°F FREEZING POINT: N/A

VAPOR PRESSURE <10mmHg @ 25°C PERCENT VOLATILE: 5-10%

EVAPORATION: (,Butyl Acetate =1) <1 PH: N/A

EVAPORATION: (,Butyl Acetate =1) <1 PH: N/A

POUNDS PER GALLON N/A MOLECULAR WEIGHT: N/A

SPECIFIC GRAVITY: 1.6 VAPOR DENSITY: N/A

MELTING POINT: N/A OTHER PROPERTIES: VOC 8.9%

# 10. STABILITY AND REACTIVITY

STABLE: Stable INCOMPATIBILITY: N.E.

HAZARDOUS DECOMPOSITION Smoke, Furnes, Carbon Manoxide

OR BY PRODUCTS:

HAZARDOUS Will Not Occur

POLYMERIZATION:

## 11. TOXICOLOGY INFORMATION

# 12. ECOLOGICAL INFORMATION

Keep out of waterways and sewers.

## 13. DISPOSAL CONSIDERATIONS

Any disposal practice must be in compliance with federal, state, and local regulations. Do not dump into sewers, on the ground, or in any body of water.

# 14. TRANSPORTATION INFORMATION

DOT CLASS: HAZARD CLASS: UN NUMBER:

PACKING:

**GUIDE NUMBER:** 

PROPER SHIPPING NAME:

# 15. REGULATORY INFORMATION

EC Classification: Toxic Substances Control Ace (TSCA) all ingredients are on the TSCA chemical substance inventory

Dynacast Part B Page 3 of 4

2162525728 P.09/09

### **SARA Title Ili**

per 40 CFR 372.45(f) toxic chemicals if so listed here in the mixture do not exceed the specified upper bound concentration value listed as Wt% Section 302 : Extremely Hazardous (If Section is blank - then it is N/A (not applicable))

Chemical Name CAS number

Section 311-312: Hazardous Catergorization (If Section is blank - then it is N/A (not applicable))

Wt. %

Chemical Name CAS number Wt. % AROMATIC PETROLEUM 84742956 7

HYDROCARBON

Section 313: Toxic Chemical (If Section is blank - then it is N/A (not applicable))

Chemical Name CAS number Wt. %

WHIMIS (If Section is blank - then it is N/A (not applicable))

Chemical name CAS number Wt. %

Proposition 65 (If Section is blank - then it is N/A (not applicable))

Chemical name CAS number Wt. %

16. OTHER INFORMATON

HMIS INFORMATION: HEALTH: 2 FLAMMABILITY: 1 REACTIVITY: 0 PROTECTIVE: F

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