

Safety Data Sheet (SDS)

OSHA Haz Com Standard 29 CFR 1910.1200. Prepared to GHS Rev03.

Printing date 02/21/2014

Reviewed on 02/17/2014

* 1 Identification

- **Product identifier**
- **Trade name:** Coldpour Hardener
- **Product number:** CP-H
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Adalet
4801 West 150th Street
Cleveland, Ohio 44135
216-267-9000
216-267-6710
www.adalet.com

2 Hazard(s) identification

- **Classification of the substance or mixture**



Health hazard

Causes damage to organs.



Corrosion

Causes serious eye damage.



Environment

Toxic to aquatic life with long lasting effects.



Causes skin irritation.

- **Label elements**
- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS05



GHS08



GHS09

- **Signal word** Danger
- **Hazard-determining components of labeling:**
iron trichloride
tris(methylphenyl) phosphate
- **Hazard statements**
Causes skin irritation.

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Causes serious eye damage.
Causes damage to organs.
Toxic to aquatic life with long lasting effects.

Precautionary statements

Do not breathe dust/fume/gas/mist/vapours/spray.
Wear protective gloves/protective clothing/eye protection/face protection.
Avoid release to the environment.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor/physician.
Specific treatment (see on this label).
IF exposed: Call a POISON CENTER or doctor/physician.
Take off contaminated clothing and wash before reuse.
If skin irritation occurs: Get medical advice/attention.
IF ON SKIN: Wash with plenty of soap and water.
Collect spillage.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

Classification system:

NFPA ratings (scale 0 - 4)



HMS-ratings (scale 0 - 4)



3 Composition/information on ingredients

Description: Mixture of the substances listed below with nonhazardous additions.

Dangerous components:

1330-78-5	tris(methylphenyl) phosphate STOT SE 1, H370; Aquatic Chronic 2, H411	5-10%
7705-08-0	iron trichloride Skin Corr. 1C, H314; Eye Dam. 1, H318; Acute Tox. 4, H302	2-12%
25155-23-1	trixyllyl phosphate Aquatic Acute 1, H400; Aquatic Chronic 1, H410	2-12%

4 First-aid measures

Description of first aid measures

- After inhalation:** In case of unconsciousness, place patient securely in side position for transportation.
- After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing:** Give large amounts of water. If symptoms persist consult doctor.
- Most important symptoms and effects, both acute and delayed** No further relevant information available.

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- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:**
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (ie. sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
- **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

- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

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

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

7705-08-0 iron trichloride

REL	Long-term value: 1 mg/m ³ as Fe
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TLV	Long-term value: 1 mg/m ³ as Fe
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- **Additional information:** The lists that were valid during the creation were used as basis.

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- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the skin.
Avoid contact with the eyes and skin.
- **Breathing equipment:** Not required.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Select glove material based on penetration times, rates of diffusion and degradation.

- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.
- **Eye protection:** Tightly sealed goggles

* 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	Liquid
Color:	Clear
Odor:	Mild
- **pH-value:** Not determined.
- **Change in condition**

Melting point/Melting range:	Not determined.
Boiling point/Boiling range:	Undetermined.
- **Flash point:** 94 °C (201 °F)
- **Flammability (solid, gaseous):** Not applicable.
- **Ignition temperature:**

Decomposition temperature:	Not determined.
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- **Auto igniting:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.

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- **Explosion limits:**
 - Lower: Not determined.
 - Upper: Not determined.
- **Vapor pressure:** Not determined.
- **Density @ 20 °C (68 °F):** 1.011 g/cm³ (8.437 lbs/gal)
- **Relative density** Not determined.
- **Vapour density** Not determined.
- **Evaporation rate** Not determined.
- **Solubility in / Miscibility with Water:** Not miscible or difficult to mix.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - Dynamic: Not determined.
 - Kinematic: Not determined.
- **Solvent content:**
 - Organic solvents: 0.0 %
 - Solids content: 4.5 %
- **Other information** No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
 - **on the skin:** Irritant to skin and mucous membranes.
 - **on the eye:** Strong irritant with the danger of severe eye injury.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant
- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

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12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:**
Water hazard class 2 (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

***14 Transport information**

- | | |
|----------------------------------|--|
| · UN-Number | |
| · DOT | Non-Regulated Material |
| · ADR, IATA | UN3082 |
| · IMDG | UN3082 |
| | Not Regulated |
| · UN proper shipping name | |
| · DOT | Non-Regulated Material |
| · ADR | UN3082 Environmentally hazardous substances, liquid, n.o.s.
(tris(methylphenyl) phosphate, trixylyl phosphate) |
| · IMDG | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S. (tris(methylphenyl) phosphate, trixylyl phosphate),
MARINE POLLUTANT |
| · IATA | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S. (tris(methylphenyl) phosphate, trixylyl phosphate) |

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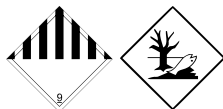
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· **Transport hazard class(es)**

- DOT
- Class

Non-Regulated Material

· **ADR**



- Class
- Label

9 (M6) Miscellaneous dangerous substances and articles
9

· **IMDG, IATA**



- Class
- Label
- Packing group
- DOT
- ADR, IMDG, IATA
- Environmental hazards:
- Marine pollutant:
- Special marking (ADR):
- Special marking (IATA):
- Special precautions for user
- Danger code (Kemler):
- EMS Number:
- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
- UN "Model Regulation":

9 Miscellaneous dangerous substances and articles.
9
Non-Regulated Material
III
Product contains environmentally hazardous substances: trixylyl phosphate
Yes
Symbol (fish and tree)
Symbol (fish and tree)
Symbol (fish and tree)
Warning: Miscellaneous dangerous substances and articles
90
F-A,S-F
Not applicable.
UN3082, Environmentally hazardous substances, liquid, n.o.s. (tris(methylphenyl) phosphate, trixylyl phosphate), 9, III

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

· Section 355 (extremely hazardous substances):	None of the ingredients is listed.
· Section 313 (Specific toxic chemical listings):	None of the ingredients is listed.
· TSCA (Toxic Substances Control Act):	All ingredients are listed.
· Proposition 65	
· Chemicals known to cause cancer:	None of the ingredients is listed.

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· Chemicals known to cause reproductive toxicity for females:
None of the ingredients is listed.
· Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed.
· Chemicals known to cause developmental toxicity:
None of the ingredients is listed.
· Carcinogenic categories
· EPA (Environmental Protection Agency)
None of the ingredients is listed.
· TLV (Threshold Limit Value established by ACGIH)
None of the ingredients is listed.
· NIOSH-Ca (National Institute for Occupational Safety and Health)
None of the ingredients is listed.
· OSHA-Ca (Occupational Safety & Health Administration)
Corrosive to eyes

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



GHS05 GHS08 GHS09

· **Signal word** Danger

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

iron trichloride
tris(methylphenyl) phosphate

· **Hazard statements**

Causes skin irritation.
Causes serious eye damage.
Causes damage to organs.
Toxic to aquatic life with long lasting effects.

· **Precautionary statements**

Do not breathe dust/fume/gas/mist/vapours/spray.
Wear protective gloves/protective clothing/eye protection/face protection.
Avoid release to the environment.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor/physician.
Specific treatment (see on this label).
IF exposed: Call a POISON CENTER or doctor/physician.
Take off contaminated clothing and wash before reuse.
If skin irritation occurs: Get medical advice/attention.
IF ON SKIN: Wash with plenty of soap and water.
Collect spillage.

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Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· National regulations:

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

· State Right to Know

1330-78-5	tris(methylphenyl) phosphate ⚠ STOT SE 1, H370; ⚠ Aquatic Chronic 2, H411	5-10%
7705-08-0	iron trichloride ⚠ Skin Corr. 1C, H314; ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302	2-12%
25155-23-1	trixyllyl phosphate ⚠ Aquatic Acute 1, H400; ⚠ Aquatic Chronic 1, H410	2-12%
None of the ingredients is listed.		

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Date of preparation / last revision 02/21/2014 / -

· Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Corr. 1C: Skin corrosion/irritation, Hazard Category 1C

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

STOT SE 1: Specific target organ toxicity - Single exposure, Hazard Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2

· * Data compared to the previous version altered.

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