

MSDS Material Safety Data Sheet

ATLAS

MSDS Number: 2130

ATLAS CURE & HARD

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Revision Date: 5/14/2010

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PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

ATLAS TECH PRODUCTS

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Product Name: Atlas Cure & Hard
Revision Date: 05/14/2010
MSDS Number: 2130
Product Code: Atlas Cure & Hard
Product Use: Curing Compound

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COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization

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

Dangerous Components

CAS# 1344-09-8	Silicic acid, sodium salt	≤ 10%
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Additional Information: For the wording of the listed risk phrases refer to section 15.

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HAZARDS IDENTIFICATION

Hazard description: May cause eye irritation.

Information pertaining to particular dangers for man and environment:

The product has to be labeled due to internationally acknowledged calculation procedures using the latest valid versions.

Classification system:

The classification system was made according to the latest editions of international substances lists, and expanded upon from company and literature data.



NFPA ratings (scale 0-4)

Health = 1
Fire = 0
Reactivity = 0

HMIS II ratings (scale 0-4)

Health = 1
Fire = 0
Reactivity = 0

HMIS III ratings (scale 0-4)

Health = 1
Fire = 0
Physical Hazard = 0

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FIRST AID MEASURES

After inhalation: Supply fresh air; consult a doctor in case of complaints.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing: Seek medical treatment.

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FIRE FIGHTING MEASURES

Suitable extinguishing agents:

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Protective equipment:

Because fire may produce thermal decomposition of products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode.

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ACCIDENTAL RELEASE MEASURES

Person-related safety precautions: Wear protective equipment. Keep unprotected persons away.

Measures for environmental protection: Dilute with plenty of water.

Measure for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

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HANDLING AND STORAGE

Handling:

Information for safe handling: Wear appropriate personal protective clothing to prevent eye and skin contact. Avoid breathing vapors or mists of this product. Use with adequate ventilation. Do not take internally.

Information about protection against explosions and fires: No special measure required.

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: Keep in receptacle tightly sealed.

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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: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists that were valid during the creation were used as basis.

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 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.

Material of gloves

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 found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Wear appropriate eye protection to prevent eye contact.

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PHYSICAL AND CHEMICAL PROPERTIES

General Information

Form:	Liquid
Color:	According to product specification
Odor:	Characteristic
Change in condition	
Melting point/Melting range:	Undetermined
Boiling Point/Boiling range:	100° C (212° F)
Flash point:	Not Applicable
Auto igniting:	Product is not self igniting
Danger of explosion:	Product does not present an explosion hazard.
Vapor pressure at 20 °C	23.0 hPa (17 mm Hg)
Density at 20 °C	1.088 g/cm ³
Solubility in / Miscibility	
With water:	Fully miscible.
Solvent Content:	
Organic solvents:	0.0%
Water:	91.5%
Solids content:	8.5%
Volatile Organic Compounds:	Contains 0 g/L.

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STABILITY AND REACTIVITY

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Dangerous reactions: No dangerous reactions known.

Dangerous products of decomposition: No dangerous decomposition of products known.

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TOXICOLOGICAL INFORMATION

Acute toxicity:**Primary irritant effect:**

On the skin: No irritating effect.

On the eye: Irritating effect.

Sensitization: No sensitizing effects known.

Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations: Irritant

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ECOLOGICAL INFORMATION

General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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DISPOSAL CONSIDERATIONS

Product Recommendation: Must not be disposed of as normal garbage. Do not allow product to reach sewage system. It is the generator's responsibility to determine if the waste meets applicable definitions of hazardous waste. State and local regulations may differ from federal disposal regulations. Dispose of waste material according to local, state, federal, and provincial environmental regulations.

Uncleaned packaging recommendation: Disposal must be made according to Federal, State and Local regulations.

Recommended cleansing agent: Water, if necessary with cleansing agents.

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TRANSPORT INFORMATION

Dot Regulations:	Not Regulated
Hazard class:	N/A
Limited Quantity Exemption:	No limited quantity exemption applies for this shipping class.
U.S. Domestic Ground Shipments:	Same as listed for standard shipments above.
U.S. Domestic Ground Non-Bulk (119 gal or less per container) Shipments:	Same as listed for standard shipments above.
Emergency Response Guide (ERG) Number:	Not determined
Land transport ADR/RID (cross-border):	Not Regulated
ADR/RID class:	N/A
Maritime transport IMDG:	Not Regulated
IMDG class:	N/A
Marine pollutant:	No
Air transport ICAO-TI and IATA-DGR:	Not Regulated
ICAO/IATA Class:	N/A

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REGULATORY INFORMATION

SARA

Section 355 (extremely hazardous substances):

75-21-8 ethylene oxide

Section 313 (Specific toxic chemical listings):

This product may contain 1 or more toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR part 372. If so, the chemicals are listed below.

123-91-1 1, 4 dioxane ≤ 0.01%

75-21-8 ethylene oxide ≤ 0.01%

TSCA (Toxic Substances Control Act):

All ingredients are listed.

Proposition 65**Chemicals known to the State of California (Prop. 65) to cause cancer:**

123-91-1 1, 4 dioxane

75-21-8 ethylene oxide

Chemicals known to cause reproductive toxicity in females:

123-91-1 1, 4 dioxane

Chemicals known to cause reproductive toxicity in males:

None of the ingredients listed.

Chemicals known to cause developmental toxicity:

None of the ingredients listed.

Carcinogen categories**EPA (Environmental Protection Agency)**

123-91-1 1, 4 dioxane B2

IARC (International Agency for Research on Cancer)

123-91-1 1, 4 dioxane 2B
75-21-8 ethylene oxide 1

NTP (National Toxicology Program)

123-91-1 1, 4 dioxane R
75-21-8 ethylene oxide K

TLV (Threshold Limit Value established by ACGIH)

123-91-1 1, 4 dioxane A3
75-21-8 ethylene oxide A2

MAK (German Maximum Workplace Concentration)

123-91-1 1, 4 dioxane 4
75-21-8 ethylene oxide 2

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

123-91-1 1, 4 dioxane
75-21-8 ethylene oxide

OSHA-Ca (Occupational Safety & Health Administration)

75-21-8 ethylene oxide

Product related hazard information:

The product has been classified and marked in accordance with directives on hazardous materials.

Hazard-determining components of labeling:

Xi Irritant

Risk Phrases:

36 Irritating to the eyes.

Safety phrases:

24/25 Avoid contact with skin and eyes
26 In case of contact with eyes, rinse immediately with plenty of soap and water.
28 After contact with skin, wash immediately with plenty of soap and water.
37-39 Wear suitable gloves and eye/face protection.
46 If swallowed, seek medical advice immediately and show this container or label.
64 If swallowed, rinse mouth with water (only if the person is conscious).

National Regulations:

Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

16**OTHER INFORMATION**

The information contained in this data sheet is furnished in good faith and without any warranty, representation, or inducement or license of any kind, except that it is accurate to the best of our knowledge, or was obtained from sources believed by us to be reliable. The accuracy, adequacy or completeness of health and safety precautions set forth herein cannot be guaranteed, and the buyer is solely responsible for ensuring the product used, handled, stored and disposed of safely and in compliance with applicable federal, state or provincial and local laws. Atlas Construction Supply, Inc. disclaims liability for any loss, damage or personal injury that arises from, or is in any way related to, use of the information contained in this data sheet.

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