

D-ZOLV Concentrate Safety Data Sheet

according to OSHA Hazard Communication

29 CFR Part 1910.1200

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

. Product identifier

Date:1/5/16

Product form : Mixture

Product name :D-ZOLV Concentrate

Product code : D-ZOLV Concentrate

Relevant identified uses of the substance or mixture and uses advised against
Ink Dissolver

Details of the supplier of the safety data sheet

AM-TECH

211 Dayton Street

Ridgewood, NJ. 07450

Emergency telephone number

Emergency number : INFOTRAC: 800-535-5053

SECTION 2: Hazards identification

Classification of the substance or mixture

Causes skin irritation.

Causes serious eye irritation

Harmful if swallowed

Label Elements

Hazard Pitograms (GHS-US)



Signal word (GHS-US) : Warning

Precautionary Statements Wear eye protection/face protection Wear protective gloves

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

If eye irritation persists: Get medical advice/attention IF ON SKIN: Wash with plenty of water

If skin irritation occurs: Get medical advice/attention Take off contaminated clothing and wash it before reuse

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell Rinse mouth

Specific treatment (see First Aid information on product label and/or Section 4 of the SDS)

Dispose of contents and container in accordance with applicable local, regional, national, and/or international regulations.

Other hazards

No additional information available

Other hazards

No additional information available

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SECTION 3: Composition/information on ingredients		
Name	Product identifier (cas#)	% Range
Sodium Hydroxide	1310-583	Prop
Silicate Acid Salt	Mixture	<50
Nonyl Phenol Ethoxolate	9016-45-9	10-20
*Surfactant mixture inorganic/organic compound	Mixture Prop	<10

Partial contents or exact percentage are trade secret

*Mixture Does not contain ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

SECTION 4: First aid measures

Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove to fresh air and keep at rest in a position comfortable for breathing.
First-aid measures after skin contact	: Wash with plenty of soap and water. Wash contaminated clothing before reuse. Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call doctor/physician if any irritation occurs.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor/physician.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Immediately call a POISON CENTER or doctor/physic

SECTION 5 Firefighting Measures

Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

Special hazards arising from the substance or mixture

Reactivity : Thermal decomposition generates : Corrosive vapors.

Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

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SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

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Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage.
Store away from other materials.

Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe dust/mist/spray. Avoid contact during pregnancy/while nursing.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands and forearms thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Technical measures : Comply with applicable regulations.

Storage conditions : Keep only in the original container in a cool, well ventilated place away from
: Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition.

Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

Control parameters

No exposure limit values known

Acute Toxicity

No other exposure limit values known

Sodium Hydroxide

Sodium hydroxide (1310-73-2) US. ACGIH Threshold Limit Values Ceiling Limit Value: 2 mg/m³ US.

Toxicity Data for Sodium hydroxide Acute oral toxicity LD50: 140 - 340 mg/kg (Rat)

Acute dermal toxicity LD50: 1,350 mg/kg (rabbit)

Silicate Mixture

> 5000 mg/kg body weight (Rat; Read-across; OECD 402: Acute Dermal Toxicity)

Inorganic/Organic mixture

> 5000 mg/kg body weight (Rat; Read-across; OECD 402: Acute Dermal Toxicity)

Exposure controls

Personal protective equipment : Avoid all unnecessary exposure.

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Hand protection : Wear protective gloves
Eye protection : Chemical goggles or safety glasses.
Skin and Body Protection :Wear suitable protective clothing.
Respiratory protection : Not required
Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Color : Blue
Odor : Characteristic
Odor threshold : No data available
pH : 11.5-12.0
Relative evaporation rate (butyl acetate=1) : No data available
Melting point : Not Applicable
Freezing point : No data available
Boiling point : 212 - 220 °F
Flash point : ≥ 200 °F
Voc : Not tested
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Flammability (solid, gas) : No data available
Vapor pressure : No data available
Voc content : 0
Relative vapor density at 20 °C : Same as water
Relative density : No data available
Solubility : Soluble in water. :
Water: Solubility in water of component(s) of the mixture : Complete
Log Pow : No data available
Log Kow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidizing properties : No data available
Explosive limits : No data available

Other information
No additional information available

SECTION 10: Stability and reactivity

Reactivity :
Chemical stability :Stable under normal conditions. Not established.
Possibility of hazardous reactions :Not established.
Conditions to avoid :Extremely high or low temperatures.
Incompatible materials :Strong acids.
Hazardous decomposition : products fume.

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SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity : Harmful if swallowed. Harmful in contact with skin.

Complex Silicate	: The acute oral toxicity of this product has not been tested. Similar systems were tested on a 100% solids basis, their single dose acute oral LD50 in rats ranged from 1500 mg/kg to 3200 mg/kg.
Nonylphenol, ethoxylated	LD50 DERMAL rabbit >3000 mg/kg LD ORAL Rat 3314 mg/kg

SECTION 12: Ecological information

Toxicity

Silicate Mixture: : Not specifically tested, however based on similar tests we expect the following: : The following data is reported for chemically similar material on a 100% solids basis: A 96 hour median tolerance for fish (*Gambusia affinis*) of 2320 ppm; a 96 hour median tolerance for water fleas (*Daphnia magna*) of 247 ppm; a 96 hour median tolerance for snail eggs (*Lymnea*) of 632 ppm; and a 96 hour median tolerance for Amphipoda of 160 ppm.

Sodium Hydroxide: LC50 fish 1: 28.6 mg/l (24 h; Pisces; Pure substance), LC50 other aquatic organisms 1 100 - 1000 mg/l (96 h)
LC50 fish 2 80 mg/l (96 h; *Gambusia affinis*; Pure substance), Threshold limit other aquatic organisms 1 100 - 1000,96 h

Persistence and degradability : Not established.
Bioaccumulative potential : Not established.
Mobility in soil : No additional information available
Other adverse effects : Effect on ozone layer : No additional information available
Effect on the global warming : No known ecological damage caused by this product.
Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

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SECTION 14: Transport information

In accordance with DOT

Shipping Name: Not regulated

Other information : No supplementary information available.

ADR

Transport document description :

Transport by sea :No additional information available

Air transport :No additional information available

Other information : No supplementary information available.

ADR

Transport document description :

Transport by sea :No additional information available

Air transport :No additional information available

SECTION 15: Regulatory information

US Federal regulations

California Prop 65 :

Ingredient Name: Cancer Reproductive

International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

National regulations

No additional information available

US State regulations

SECTION 16: Other information

Other information : None.

Full text of H-phrases: see section 16:

HMIS III Rating

Health : 1

Flammability : 0 Minimal Hazard

Physical : 0 Minimal Hazard

Personal Protection : B

Revision date : 01/5/2016 rev1: Reason: Update

Other information : None.

SDS US (GHS HazCom 2012)