

MasterSet DELVO

Version 1.1 Revision Date: 01/04/2021 SDS Number: 000000247307 Date of last issue: 04/23/2020
Date of first issue: 04/23/2020

SECTION 1. IDENTIFICATION

Product name : MasterSet DELVO
Product code : 000000000051451752 000000000051451752

Manufacturer or supplier's details

Company name of supplier : Master Builders-Construction Systems
US, LLC
Address : 23700 CHAGRIN BLVD
Beachwood OH 44122
Emergency telephone : ChemTel: +1-813-248-0585 USA: +1-800-255-3924 Contract
Number MIS9240420

Recommended use of the chemical and restrictions on use

Recommended use : Product for construction chemicals
Restrictions on use : Reserved for industrial and professional use.

SECTION 2. HAZARDS IDENTIFICATION**GHS classification in accordance with 29 CFR 1910.1200**

Skin corrosion/irritation : Category 2
Serious eye damage/eye irritation : Category 2A
Skin sensitization : Category 1B

GHS label elements

Hazard pictograms :



Signal Word : Warning
Hazard Statements : H319 Causes serious eye irritation.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.

Precautionary Statements : **Prevention:**
P280 Wear protective gloves/ protective clothing/ eye protection/
face protection.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P272 Contaminated work clothing should not be allowed out of
the workplace.
P264 Wash face, hands and any exposed skin thoroughly after
handling.
Response:
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water
for several minutes. Remove contact lenses, if present and easy
to do. Continue rinsing.

MasterSet DELVO

Version 1.1 Revision Date: 01/04/2021 SDS Number: 000000247307 Date of last issue: 04/23/2020
 Date of first issue: 04/23/2020

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
 P302 + P352 IF ON SKIN: Wash with plenty of water.
 P332 + P313 If skin irritation occurs: Get medical advice/attention.
 P362 + P364 Take off contaminated clothing and wash it before reuse.
 P337 + P313 If eye irritation persists: Get medical advice/attention.

Disposal:

P501 Dispose of contents/container to appropriate hazardous waste collection point.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Solution based on:
 Organic acids
 in water

Components

Chemical name	CAS-No.	Concentration (% w/w)
Nitriлотrimethylenetris(phosphonic acid)	6419-19-8	>= 0 - < 15
sodium hydroxide	1310-73-2	>= 0 - < 1
phosphonic acid	13598-36-2	>= 0.1 - < 0.3
4-chloro-3-methyl phenol	59-50-7	>= 0 - < 0.3

SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.
 Show this material safety data sheet to the doctor in attendance.
 Do not leave the victim unattended.

If inhaled : If unconscious, place in recovery position and seek medical advice.
 If symptoms persist, call a physician.

In case of skin contact : If skin irritation persists, call a physician.
 If on skin, rinse well with water.
 If on clothes, remove clothes.

In case of eye contact : Immediately flush eye(s) with plenty of water.
 Remove contact lenses.
 Protect unharmed eye.
 Keep eye wide open while rinsing.
 If eye irritation persists, consult a specialist.

If swallowed : Clean mouth with water and drink afterwards plenty of water.
 Keep respiratory tract clear.
 Do not give milk or alcoholic beverages.
 Never give anything by mouth to an unconscious person.
 If symptoms persist, call a physician.

MasterSet DELVO

Version	Revision Date:	SDS Number:	Date of last issue: 04/23/2020
1.1	01/04/2021	000000247307	Date of first issue: 04/23/2020

Most important symptoms and effects, both acute and delayed
Notes to physician

: Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
: Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Foam
Water spray
Dry powder
Carbon dioxide (CO₂)

Unsuitable extinguishing media : water jet

Specific hazards during fire fighting : See SDS section 10 - Stability and reactivity.

Hazardous combustion products : harmful vapours
nitrogen oxides
fumes/smoke
carbon black
carbon oxides

Further information : Standard procedure for chemical fires.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.

Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Neutralize with chalk, alkali solution or ammonia.
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Advice on safe handling : Do not breathe vapors/dust.
Avoid exposure - obtain special instructions before use.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Dispose of rinse water in accordance with local and national

MasterSet DELVO

Version 1.1 Revision Date: 01/04/2021 SDS Number: 000000247307 Date of last issue: 04/23/2020
 Date of first issue: 04/23/2020

- regulations.
 Persons susceptible to skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
- Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.
 Electrical installations / working materials must comply with the technological safety standards.
- Further information on storage conditions : Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Protect from direct sunlight.
- Materials to avoid : No applicable information available.
 Do not store near acids.
- Further information on storage stability : No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
sodium hydroxide	1310-73-2	CLV	2 mg/m ³	ACGIHTLV
		Ceil_Time	2 mg/m ³	NIOSH
		PEL	2 mg/m ³	29 CFR 1910.1000 (Table Z-1)
		CLV	2 mg/m ³	29 CFR 1910.1000 (Table Z-1-A)
		C	2 mg/m ³	ACGIH
		C	2 mg/m ³	NIOSH REL
		TWA	2 mg/m ³	OSHA Z-1
		C	2 mg/m ³	OSHA P0

Engineering measures : No applicable information available.

Personal protective equipment

Respiratory protection : When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators.

Hand protection

Remarks : Wear chemical resistant protective gloves. Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection : Eye wash bottle with pure water
 Tightly fitting safety goggles
 Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection : Impervious clothing

MasterSet DELVO

Version	Revision Date:	SDS Number:	Date of last issue: 04/23/2020
1.1	01/04/2021	000000247307	Date of first issue: 04/23/2020

Protective measures	: Choose body protection according to the amount and concentration of the dangerous substance at the work place. Do not inhale gases/vapours/aerosols. Avoid contact with the skin, eyes and clothing. Avoid exposure - obtain special instructions before use. Handle in accordance with good building materials hygiene and safety practice.
Hygiene measures	: Wearing of closed work clothing is recommended. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Color	: light brown
Odor	: odorless
pH	: 2.1 - 4 (77 °F / 25 °C)
Freezing point	: 27 °F / -3 °C
Melting point	: 27 °F / -3 °C
Boiling point	: 221 °F / 105 °C
Flash point	: does not flash
Evaporation rate	: not determined
Upper explosion limit / Upper flammability limit	: No applicable information available.
Relative vapor density	: Heavier than air.
Density	: approx. 1.075 g/cm ³ (68 °F / 20 °C)
Solubility(ies)	
Water solubility	: soluble (68 °F / 20 °C)
Solubility in other solvents	: No applicable information available.
Partition coefficient: n-octanol/water	: Not applicable
Autoignition temperature	: Based on the water content the product does not ignite.
Decomposition temperature	: No decomposition if stored and handled as prescribed/indicated.
Viscosity	
Viscosity, dynamic	: not determined
Viscosity, kinematic	: No applicable information available.

MasterSet DELVO

Version	Revision Date:	SDS Number:	Date of last issue: 04/23/2020
1.1	01/04/2021	000000247307	Date of first issue: 04/23/2020

Explosive properties	:	Not explosive
Oxidizing properties	:	not fire-propagating
Sublimation temperature	:	No applicable information available.
Molecular weight	:	No data available.
Metal corrosion rate	:	Corrosive effect on: Mild steel Aluminium The product is not to be labelled as corrosive for transport purposes.

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	No decomposition if stored and applied as directed.
Conditions to avoid	:	See SDS section 7 - Handling and storage.
Incompatible materials	:	Strong acids Strong bases Strong oxidizing agents Strong reducing agents
Hazardous decomposition products	:	phosphines carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Not classified based on available information.

Product:

Acute inhalation toxicity : Remarks: No applicable information available.

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitization**Skin sensitization**

May cause an allergic skin reaction.

Respiratory sensitization

Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

MasterSet DELVO

Version 1.1 Revision Date: 01/04/2021 SDS Number: 000000247307 Date of last issue: 04/23/2020
Date of first issue: 04/23/2020

Reproductive toxicity

Not classified based on available information.

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Further information**Product:**

Remarks : The product has not been tested. The statement has been derived from the properties of the individual components.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Product:**

Toxicity to fish : LC0 (trout, rainbow): 5,000 mg/l
Exposure time: 96 h

Toxicity to daphnia and other : LC0 (Daphnia magna): 400 mg/l
aquatic invertebrates Exposure time: 48 h

Persistence and degradability

No data available

Bioaccumulative potential**Components:****Nitritotrimethylenetris(phosphonic acid):**

Partition coefficient: n- : log Pow: -4.55
octanol/water Method: other (calculated)

sodium hydroxide:

Partition coefficient: n- : Remarks: Study scientifically not justified.
octanol/water

phosphonic acid:

Partition coefficient: n- : log Pow: 1.15
octanol/water Method: other (calculated)

4-chloro-3-methyl phenol:

Partition coefficient: n- : log Pow: 2.7 (77 °F / 25 °C)
octanol/water Method: other (calculated)

MasterSet DELVO

Version 1.1 Revision Date: 01/04/2021 SDS Number: 000000247307 Date of last issue: 04/23/2020
Date of first issue: 04/23/2020

Mobility in soil

No data available

Other adverse effects**Product:**

Additional ecological information : There is a high probability that the product is not acutely harmful to aquatic organisms. The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues : Dispose of in accordance with national, state and local regulations. Residues should be disposed of in the same manner as the substance/product. Do not discharge into drains/surface waters/groundwater.

Contaminated packaging : Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned. Packs that cannot be cleaned should be disposed of in the same manner as the contents.

SECTION 14. TRANSPORT INFORMATION**International Regulations****UNRTDG**

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation**49 CFR**

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION**US State Regulations****Pennsylvania Right To Know**

sodium hydroxide

1310-73-2

New Jersey Right To Know

MasterSet DELVO

Version	Revision Date:	SDS Number:	Date of last issue: 04/23/2020
1.1	01/04/2021	000000247307	Date of first issue: 04/23/2020

sodium hydroxide

1310-73-2

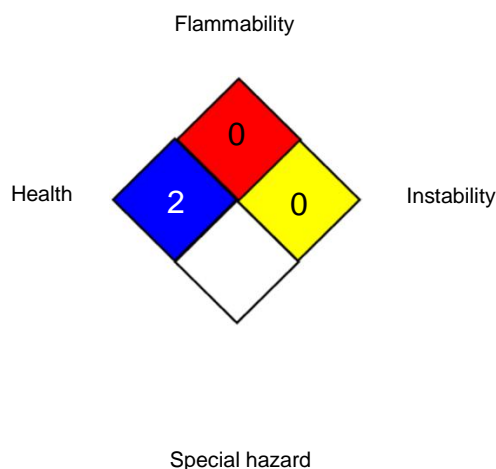
California Prop. 65

WARNING: This product can expose you to chemicals including formaldehyde, which is/are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

The ingredients of this product are reported in the following inventories:

TSCA : All chemical substances in this product are either listed as active on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

DSL : This product contains the following components listed on the Canadian NDSL. All other components are on the Canadian DSL.
2,2-Dibromo-2-cyanoacetamide

SECTION 16. OTHER INFORMATION**Further information****NFPA 704:****HMIS® IV:**

HEALTH	/	2
FLAMMABILITY		0
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Full text of other abbreviations

29 CFR 1910.1000 (Table Z-1-A) : OSHA - Table Z-1-A (29 CFR 1910.1000)

29 CFR 1910.1000 (Table Z-1) : OSHA - Table Z-1 (Limits for Air Contaminants) 29 CFR 1910.1000

ACGIH : USA. ACGIH Threshold Limit Values (TLV)

ACGIHTLV : American Conference of Governmental Industrial Hygienists - threshold limit values (US)

NIOSH : NIOSH Pocket Guide to Chemical Hazards (US)

NIOSH REL : USA. NIOSH Recommended Exposure Limits

OSHA P0 : USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000

OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1 Lim-

MasterSet DELVO

Version	Revision Date:	SDS Number:	Date of last issue: 04/23/2020
1.1	01/04/2021	000000247307	Date of first issue: 04/23/2020

its for Air Contaminants
 29 CFR 1910.1000 (Table Z-1-A) / CLV : Ceiling Limit Value:
 29 CFR 1910.1000 (Table Z-1) / PEL : Permissible exposure limit
 ACGIH / C : Ceiling limit
 ACGIHLV / CLV : Ceiling Limit Value:
 NIOSH / Ceil_Time : Ceiling Limit Value and Time Period (if specified):
 NIOSH REL / C : Ceiling value not be exceeded at any time.
 OSHA P0 / C : Ceiling limit
 OSHA Z-1 / TWA : 8-hour time weighted average

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Revision Date : 01/04/2021

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MasterSet DELVO

Version	Revision Date:	SDS Number:	Date of last issue: 04/23/2020
1.1	01/04/2021	000000247307	Date of first issue: 04/23/2020

our operations on society and the environment during production, storage, transport, use and disposal of our products.

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