# MasterLife 300D 5BU



 Version
 Revision Date:
 SDS Number:
 Date of last issue: 07/28/2023

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 08/15/2023
 000000260230
 Date of first issue: 01/01/2023

**SECTION 1. IDENTIFICATION** 

Product name : MasterLife 300D 5BU

Product code : 00000000050676260 000000000050676260

Manufacturer or supplier's details

Company name of supplier : Master Builders-Admixtures US,LLC

Address : 23700 Chagrin Blvd

Beachwood OH 44122

Emergency telephone : ChemTel: +1-813-248-0585

National Emergency Tele-

phone Number

USA: +1-800-255-3924 ChemTel contract no. 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 the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation : Category 2

Serious eye damage/eye

irritation

Category 1

Specific target organ toxicity

- single exposure

Category 3 (respiratory tract irritation)

Carcinogenicity (Inhalation) : Category 1A (Lungs)

Specific target organ toxicity

- repeated exposure (Inhala-

tion)

Category 1 (Lungs)

Specific target organ toxicity

- repeated exposure (Inhala-

tion)

Category 2 (Kidney, Immune system)

# **GHS** label elements

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Hazard pictograms







Signal Word : Danger

Hazard Statements : H318 Causes serious eye damage.

H315 Causes skin irritation.

H335 May cause respiratory irritation. H350i May cause cancer by inhalation.

H372 Causes damage to organs (Lungs) through prolonged or

repeated exposure if inhaled.

H373 May cause damage to organs (Kidney, Immune system)

through prolonged or repeated exposure if inhaled.

Precautionary Statements

#### Prevention:

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P201 Obtain special instructions before use.

P271 Use only outdoors or in a well-ventilated area.

P260 Do not breathe dusts or mists.

P202 Do not handle until all safety precautions have been read

and understood.

P270 Do not eat, drink or smoke when using this product. 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.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P302 + P352 IF ON SKIN: Wash with plenty of water.

P362 + P364 Take off contaminated clothing and wash it before

reuse.

P310 Immediately call a POISON CENTER or doctor/physician.

# Storage:

P403 + P233 Store in a well-ventilated place. Keep container

tightly closed.

P405 Store locked up.

#### Disposal:

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

#### Other hazards

In combination with water, repeated or prolonged dermal exposure can cause moderate to severe alkali burns.

#### **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

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Chemical nature : modified cement mortar

## Components

Chemical name	CAS-No.	Concentration (% w/w)
Cement, portland, chemicals	65997-15-1	>= 50 - < 75
crystalline silica	14808-60-7	>= 25 - <= 50
sodium carbonate	497-19-8	>= 7 - < 15
Iron oxide	1309-37-1	>= 0 - < 10
Tartaric acid	87-69-4	>= 1 - < 3
Limestone	1317-65-3	>= 1 - <= 7
Gypsum (Ca(SO4).2H2O)	13397-24-5	>= 1 - <= 3
Titanium dioxide	13463-67-7	>= 1 - <= 3

#### **SECTION 4. FIRST AID MEASURES**

General advice : First aid personnel should pay attention to their own safety.

Remove contaminated clothing.

If inhaled : After inhalation of dust.

Keep patient calm, remove to fresh air.

If difficulties occur: Seek medical attention.

In case of skin contact : After contact with skin, wash immediately with plenty of water

and soap.

Under no circumstances should organic solvent be used.

If irritation develops, seek medical attention.

In case of eye contact : In case of contact, immediately flush eyes with plenty of water

for at least 15 minutes.

Keep eye wide open while rinsing.

Remove contact lenses. Seek medical advice.

If eye irritation persists, consult a specialist.

If swallowed : Immediately rinse mouth and then drink 200-300 ml of water,

seek medical attention.

Do not induce vomiting unless told to by a poison control cen-

ter or doctor.

Most important symptoms and effects, both acute and

delayed

Causes skin irritation.

Causes serious eye damage. May cause respiratory irritation.

May cause cancer.

Causes damage to organs through prolonged or repeated

exposure if inhaled.

May cause damage to organs through prolonged or repeated

exposure.

Notes to physician : Treat symptomatically.

## **SECTION 5. FIRE-FIGHTING MEASURES**

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Suitable extinguishing media : Foam

Water spray Dry powder

Carbon dioxide (CO2)

Product itself is non-combustible. Only the packaging materials can catch fire. The extinguishing agents normally used are

sufficient.

Unsuitable extinguishing

media

water jet

Specific hazards during fire

fighting

Product is not combustible or explosive.

Hazardous combustion prod: :

ucts

harmful vapours

Further information : Product itself is non-combustible; fire extinguishing method of

surrounding areas must be considered.

The degree of risk is governed by the burning substance and

the fire conditions.

Dispose of fire debris and contaminated extinguishing water in

accordance with official regulations.

Special protective equipment

for fire-fighters

Wear self-contained breathing apparatus and chemical-

protective clothing.

#### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protec- :

tive equipment and emer-

gency procedures

Avoid dust formation.

Avoid contact with skin and eyes.

Do not inhale dusts.

Use personal protective clothing. Wear appropriate respiratory protection.

Handle in accordance with good building materials hygiene

and safety practice.

Environmental precautions : Do not discharge into drains/surface waters/groundwater.

Methods and materials for

containment and cleaning up

Sweep up and shovel into suitable containers for disposal.

Avoid dust formation.

Keep in suitable, closed containers for disposal.

Rinse with plenty of water.

#### **SECTION 7. HANDLING AND STORAGE**

Advice on protection against

fire and explosion

Avoid dust formation.

Provide appropriate exhaust ventilation at places where dust

is formed.

Advice on safe handling : Avoid formation of respirable particles.

Do not breathe vapors/dust.

Avoid exposure - obtain special instructions before use.

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Avoid contact with skin and eyes. For personal protection see section 8.

Smoking, eating and drinking should be prohibited in the ap-

plication area.

Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with local and national

regulations.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated

place.

Observe label precautions.

Electrical installations / working materials must comply with

the technological safety standards.

Further information on stor-

age conditions

Containers should be stored tightly sealed in a dry place.

Materials to avoid : Keep away from water.

Segregate from metals.

Segregate from acids and bases.

Segregate from oxidants.

Segregate from foods and animal feeds.

Further information on stor-

age 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	Control parame-	Basis
		(Form of	ters / Permissible	
		exposure)	concentration	
calcium oxide	1305-78-8	TWA	2 mg/m3	ACGIH
		TWA	2 mg/m3	NIOSH REL
		TWA	5 mg/m3	OSHA Z-1
		TWA	5 mg/m3	OSHA P0
Iron oxide	1309-37-1	TWA (Res-	5 mg/m3	ACGIH
		pirable par-		
		ticulate mat-		
		ter)		
		TWA (Res-	5 mg/m3	ACGIH
		pirable par-		
		ticulate mat-		
		ter)		
		TWA (dust	5 mg/m3	NIOSH REL
		and fume)	(Iron)	
		TWA (dust	5 mg/m3	NIOSH REL
		and fume)	(Iron)	
		TWA	10.000000 mg/m3	OSHA Z-1
		(Fumes)		
		TWA	10 mg/m3	OSHA Z-1
		(Fumes)		
		TWA (total	15 mg/m3	OSHA Z-1

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I	1		I	1
		dust)	45	00114.7.4
		TWA (total dust)	15 mg/m3	OSHA Z-1
		TWA (respirable fraction)	5 mg/m3	OSHA Z-1
		TWA (respir-	5 mg/m3	OSHA Z-1
		able fraction)	40 / 0	00114 50
		TWA (Fumes)	10 mg/m3	OSHA P0
		TWA	10 mg/m3	OSHA P0
Limostono	4047.05.0	(Fumes)	45	00114.7.4
Limestone	1317-65-3	TWA (total dust)	15 mg/m3	OSHA Z-1
		TWA (respirable fraction)	5 mg/m3	OSHA Z-1
		TWA (Total dust)	15 mg/m3	OSHA P0
		TWA (respirable dust fraction)	5 mg/m3	OSHA P0
		TWA (Respirable)	5 mg/m3 (Calcium car- bonate)	NIOSH REL
		TWA (total)	10 mg/m3 (Calcium car- bonate)	NIOSH REL
Gypsum (Ca(SO4).2H2O)	13397-24-5	TWA (Respirable)	5 mg/m3	NIOSH REL
		TWA (total)	10 mg/m3	NIOSH REL
		TWA (total dust)	15 mg/m3	OSHA Z-1
		TWA (respirable fraction)	5 mg/m3	OSHA Z-1
		TWA (Total dust)	15 mg/m3	OSHA P0
		TWA (respirable dust fraction)	5 mg/m3	OSHA P0
		TWA (Inhal- able particu- late matter)	10 mg/m3 (Calcium)	ACGIH
Titanium dioxide	13463-67-7	TWA (total dust)	15 mg/m3	OSHA Z-1
		TWÁ (Total dust)	10 mg/m3	OSHA P0
		TWA (Respirable particulate matter)	0.2 mg/m3 (Titanium dioxide)	ACGIH
		TWA (Respirable particulate matter)	2.5 mg/m3 (Titanium dioxide)	ACGIH
Quartz (SiO2)	14808-60-7	TWA (Res-	0.05 mg/m3	OSHA Z-1

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		pirable dust)		
		TWA (respirable)	10 mg/m3 / %SiO2+2	OSHA Z-3
		TWA (respirable)	250 mppcf / %SiO2+5	OSHA Z-3
		TWA (respirable dust fraction)	0.1 mg/m3	OSHA P0
		TWA (Respirable particulate matter)	0.025 mg/m3 (Silica)	ACGIH
		TWA (Respirable dust)	0.05 mg/m3 (Silica)	NIOSH REL
Cement, portland, chemicals	65997-15-1	TWA (Respirable particulate matter)	1 mg/m3	ACGIH
		TWA (Respirable)	5 mg/m3	NIOSH REL
		TWA (total)	10 mg/m3	NIOSH REL
		TWA (total dust)	15 mg/m3	OSHA Z-1
		TWA (respirable fraction)	5 mg/m3	OSHA Z-1
		TWA (Total dust)	10 mg/m3	OSHA P0
		TWA (respirable dust fraction)	5 mg/m3	OSHA P0
		TWA (Dust)	50 Million parti- cles per cubic foot	OSHA Z-3

**Engineering measures** : Provide local exhaust ventilation to maintain recommended

P.E.L.

Personal protective equipment

Respiratory protection : Wear appropriate certified respirator when exposure limits

may be exceeded.

Wear a NIOSH-certified (or equivalent) particulate respirator.

Hand protection

Remarks : Chemical resistant protective gloves. Manufacturer's direc-

tions for use should be observed because of great diversity of

types.

Eye protection : Tightly fitting safety goggles (chemical goggles).

Skin and body protection : Body protection must be chosen based on level of activity

and exposure.

Protective measures : Do not inhale vapours or dust.

Avoid contact with the skin, eyes and clothing.

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In order to prevent contamination while handling, closed working clothes and working gloves should be used. Handle in accordance with good building materials hygiene

and safety practice.

Hygiene measures : When using, do not eat, drink or smoke.

Hands and/or face should be washed before breaks and at

the end of the shift.

At the end of the shift the skin should be cleaned and skin-

care agents applied.

Gloves must be inspected regularly and prior to each use.

Replace if necessary (e.g. pinhole leaks).

Remove contaminated clothing immediately and clean before

re-use or dispose it if necessary.

## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : powder

Color : gray

Odor : earthy

Odor Threshold : Not determined due to potential health hazard by inhalation.

pH : approx. 12 - 13

(as aqueous suspension)

Melting temperature :  $> 1,832 \, ^{\circ}\text{F} \, / > 1,000 \, ^{\circ}\text{C}$ 

boiling temperature : Not applicable

Flash point : does not flash

Evaporation rate : No applicable information available.

Flammability (solid, gas) : not flammable

Upper explosion limit / Upper

flammability limit

: As a result of our experience with this product and our

knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance

with the intended use.

Lower explosion limit / Lower

flammability limit

As a result of our experience with this product and our

knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance

with the intended use.

Vapor pressure : No applicable information available.

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Relative vapor density : No applicable information available.

Relative density : No applicable information available.

Bulk density : approx. 1,800 - 2,400 kg/m3

Solubility(ies)

Water solubility : dispersible (68 °F / 20 °C)

Solubility in other solvents : No applicable information available.

Partition coefficient: n-

octanol/water

Not applicable

Autoignition temperature : No applicable information available.

Decomposition temperature : No decomposition if stored and handled as pre-

scribed/indicated.

Viscosity

Viscosity, dynamic : Not applicable

Viscosity, kinematic : Not applicable

Explosive properties : Not explosive

Oxidizing properties : Based on its structural properties the product is not classified

as oxidizing.

Self-heating substances : No data available

Sublimation temperature : No applicable information available.

Molecular weight : No data available.

# **SECTION 10. STABILITY AND REACTIVITY**

Reactivity : No hazardous reactions if stored and handled as pre-

scribed/indicated.

Chemical stability : The product is stable if stored and handled as pre-

scribed/indicated.

Possibility of hazardous reac-

tions

No decomposition if stored and applied as directed.

Conditions to avoid : See SDS section 7 - Handling and storage.

Strong bases Strong acids

Hazardous decomposition

Incompatible materials

products

No hazardous decomposition products if stored and handled

as prescribed/indicated.

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#### **SECTION 11. TOXICOLOGICAL INFORMATION**

## **Acute toxicity**

Not classified based on available information.

#### Skin corrosion/irritation

Causes skin irritation.

# Serious eye damage/eye irritation

Causes serious eye damage.

#### Respiratory or skin sensitization

#### Skin sensitization

Not classified based on available information.

# Respiratory sensitization

Not classified based on available information.

#### **Product:**

Remarks : Chromate in this product has been reduced. Sensitization due

to chromate within stated shelf-live is unlikely.

## Germ cell mutagenicity

Not classified based on available information.

# Carcinogenicity

May cause cancer.

#### Reproductive toxicity

Not classified based on available information.

#### STOT-single exposure

May cause respiratory irritation.

# STOT-repeated exposure

Causes damage to organs through prolonged or repeated exposure if inhaled.

May cause damage to organs through prolonged or repeated exposure.

#### **Aspiration toxicity**

Not classified based on available information.

## **Experience with human exposure**

## **Product:**

Skin contact : Remarks: In combination with water, repeated or prolonged

dermal exposure can cause moderate to severe alkali burns.

## **Further information**

#### **Product:**

Remarks : The product has not been tested. The statements on toxicolo-

gy have been derived from the properties of the individual

components.

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#### **SECTION 12. ECOLOGICAL INFORMATION**

## **Ecotoxicity**

#### Product:

# **Ecotoxicology Assessment**

Acute aquatic toxicity : This product has no known ecotoxicological effects.

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

## Persistence and degradability

**Product:** 

Biodegradability : Remarks: Not applicable for inorganic substances.

#### Bioaccumulative potential

**Product:** 

Bioaccumulation : Remarks: The product will not be readily bioavailable due to

its consistency and insolubility in water.

#### Mobility in soil

## **Product:**

Distribution among environ-

mental compartments

Remarks: Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater

is not expected.

The substance will not evaporate into the atmosphere from

the water surface.

## Other adverse effects

#### **Product:**

Additional ecological infor-

mation

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 : Do not discharge into drains/surface waters/groundwater.

Dispose of in accordance with national, state and local regula-

tions.

Contaminated packaging : Completely emptied packagings can be given for recycling.

Packs that cannot be cleaned should be disposed of in the

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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

Limestone	1317-65-3
Gypsum (Ca(SO4).2H2O)	13397-24-5
Titanium dioxide	13463-67-7
Cement, portland, chemicals	65997-15-1
crystalline silica	14808-60-7

## **New Jersey Right To Know**

Limestone	1317-65-3
Titanium dioxide	13463-67-7
Cement, portland, chemicals	65997-15-1
crystalline silica	14808-60-7

# California Prop. 65

WARNING: This product can expose you to chemicals including Titanium dioxide, 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:

DSL : All components of this product are on the Canadian DSL

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.

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#### **SECTION 16. OTHER INFORMATION**

#### **Further information**

#### NFPA 704:

# Health 3 0 Instability

Special hazard

#### HMIS® IV:



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

ACGIH : USA. ACGIH Threshold Limit Values (TLV)
NIOSH REL : USA. NIOSH Recommended Exposure Limits

OSHA P0 : USA. Table Z-1-A Limits for Air Contaminants (1989 vacated

values)

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

its for Air Contaminants

OSHA Z-3 : USA. Occupational Exposure Limits (OSHA) - Table Z-3 Min-

eral Dusts

ACGIH / TWA : 8-hour, time-weighted average

NIOSH REL / TWA : Time-weighted average concentration for up to a 10-hour

workday during a 40-hour workweek

OSHA P0 / TWA : 8-hour time weighted average OSHA Z-1 / TWA : 8-hour time weighted average OSHA Z-3 / TWA : 8-hour time weighted average

AIIC - Australian Inventory of Industrial Chemicals; 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 - Indus-

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trial 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; TECI - Thailand Existing Chemicals 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

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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