

# SikaThorocoat-300 Arctic smth med tbase Formerly MProtect HB 300SB medium

Version Revision Date: SDS Number: Date of last issue: 09/03/2020 2.0 03/15/2021 000000261107 Date of first issue: 09/03/2020

#### **SECTION 1. IDENTIFICATION**

Product name : SikaThorocoat-300 Arctic smth med tbase Formerly MProtect

HB 300SB medium

Product code : 00000000051709544

Manufacturer or supplier's details

Company name of supplier : Sika MBCC US LLC

Address : 201 POLITO AVE

Lyndhurst NJ 07071

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

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

Flammable liquids : Category 4

Germ cell mutagenicity : Category 1B

Carcinogenicity : Category 1A

Short-term (acute) aquatic

hazard

Category 3

Long-term (chronic) aquatic

hazard

Category 3

**GHS** label elements

Hazard pictograms

Signal Word : Danger

Hazard Statements : H227 Combustible liquid.

H350 May cause cancer.

H340 May cause genetic defects. H402 Harmful to aquatic life.

H412 Harmful to aquatic life with long lasting effects.



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Version Revision Date: SDS Number: Date of last issue: 09/03/2020 2.0 03/15/2021 000000261107 Date of first issue: 09/03/2020

Precautionary Statements : Prevention:

P280 Wear protective gloves/ protective clothing/ eye protection/

face protection.

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read

and understood.

P210 Keep away from heat, hot surfaces, sparks, open flames

and other ignition sources. No smoking. P273 Avoid release to the environment.

Response:

P308 + P311 IF exposed or concerned: Call a POISON

CENTER/ doctor.

P370 + P378 In case of fire: Use water spray, alcohol-resistant

foam, dry chemical or carbon dioxide to extinguish.

Storage:

P405 Store locked up.

P403 Store in a well-ventilated place.

Disposal:

P501 Dispose of contents/container to appropriate hazardous

waste collection point.

Other hazards

None known.

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

Chemical nature : Aqueous solution

#### Components

01	OAO NI	0 (0/ / )
Chemical name	CAS-No.	Concentration (% w/w)
Limestone	1317-65-3	>= 15 - < 25
Titanium dioxide	13463-67-7	>= 5 - < 15
Distillates (petroleum), light distillate	68410-97-9	>= 3 - < 7
hydrotreating process, low-boiling		
2-amino-2-methylpropanol	124-68-5	>= 0.1 - < 0.2
Quartz (SiO2)	14808-60-7	>= 0 - < 0.2
diuron	330-54-1	>= 0 - < 0.2
3-iodo-2-propynyl butylcarbamate	55406-53-6	>= 0 - < 0.1

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

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

Immediately remove contaminated clothing.

If inhaled : If difficulties occur after vapour/aerosol has been inhaled,

remove to fresh air and seek medical attention.



# SikaThorocoat-300 Arctic smth med tbase Formerly MProtect HB 300SB medium

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 09/03/2020

 2.0
 03/15/2021
 000000261107
 Date of first issue: 09/03/2020

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 : Flush eyes with water as a precaution.

Remove contact lenses. Protect unharmed eye.

Keep eye wide open while rinsing.

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.

Most important symptoms and effects, both acute and

delayed

May cause genetic defects.

May cause cancer.

Notes to physician : 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

Do not allow run-off from fire fighting to enter drains or water

courses.

Further information : Collect contaminated fire extinguishing water separately. This

must not be discharged into drains.

Fire residues and contaminated fire extinguishing water must

be disposed of in accordance with local regulations.

For safety reasons in case of fire, cans should be stored sepa-

rately in closed containments.

Use a water spray to cool fully closed containers.

Special protective equipment:

for fire-fighters

Wear self-contained breathing apparatus for firefighting if nec-

essary.

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

Personal precautions, protec: :

tive equipment and emer-

gency procedures

Use personal protective equipment.

Environmental precautions : Contain contaminated water/firefighting water.



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Version Revision Date: SDS Number: Date of last issue: 09/03/2020 2.0 03/15/2021 000000261107 Date of first issue: 09/03/2020

Do not discharge into drains/surface waters/groundwater.

Methods and materials for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local

/ national regulations (see section 13).

Keep in suitable, closed containers for disposal.

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

Advice on protection against

fire and explosion

Do not spray on a naked flame or any incandescent material. Keep away from open flames, hot surfaces and sources of

ignition.

Advice on safe handling : Avoid formation of aerosol.

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 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 : no smoking

Keep in a well-ventilated place.

Containers which are opened must be carefully resealed and

kept upright to prevent leakage. Observe label precautions.

Electrical installations / working materials must comply with

the technological safety standards.

Further information on stor-

age conditions

Keep container tightly closed.

Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame.

Recommended storage tem-

perature

> 41 °F / > 5 °C

Further information on stor-

age stability

PROTECT FROM FREEZING DURING THE COLD-SEASON

(BELOW 40°F / 5°C).

#### 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	
diuron	330-54-1	TWA value	10 mg/m3	ACGIHTLV
		REL value	10 mg/m3	NIOSH



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 Version
 Revision Date:
 SDS Number:
 Date of last issue: 09/03/2020

 2.0
 03/15/2021
 000000261107
 Date of first issue: 09/03/2020

		TWA value	10 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		TWA	10 mg/m3	ACGIH
		TWA		NIOSH REL
			10 mg/m3	
Linearing	4047.05.0	TWA	10 mg/m3	OSHA PO
Limestone	1317-65-3	REL value (Respirable)	5 mg/m3	NIOSH
		REL value (Total)	10 mg/m3	NIOSH
		PEL (Respirable fraction)	5 mg/m3	29 CFR 1910.1000 (Table Z-1)
		PEL (Total dust)	15 mg/m3	29 CFR 1910.1000 (Table Z-1)
		TWA value (Respirable fraction)	5 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		TWA value (Total dust)	15 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		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
Titanium dioxide	13463-67-7	TWA value	10 mg/m3	ACGIHTLV
		PEL (Total dust)	15 mg/m3	29 CFR 1910.1000 (Table Z-1)
		TWA value (Total dust)	10 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		TWA (total dust)	15 mg/m3	OSHA Z-1
		TWA (Total dust)	10 mg/m3	OSHA P0
		TWA	10 mg/m3 (Titanium dioxide)	ACGIH
Distillates (petroleum), light distillate hydrotreating process,	68410-97-9	STEL value (Mist)	10 mg/m3	NIOSH



# **SikaThorocoat-300 Arctic smth med tbase Formerly MProtect HB 300SB medium**

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 09/03/2020

 2.0
 03/15/2021
 000000261107
 Date of first issue: 09/03/2020

low-boiling				
-		REL value (Mist)	5 mg/m3	NIOSH
		PEL (Mist)	5 mg/m3	29 CFR 1910.1000 (Table Z-1)
		TWA value (Mist)	5 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		TWA	500 ppm 2,000 mg/m3	OSHA Z-1
		TWA	400 ppm 1,600 mg/m3	OSHA P0
Quartz (SiO2)	14808-60-7	TWA value (Respirable fraction)	0.025 mg/m3	ACGIHTLV
		TWA value	0.05 mg/m3 (Respirable dust)	29 CFR 1910.1001- 1050
		OSHA Action level	0.025 mg/m3 (Respirable dust)	29 CFR 1910.1001- 1050
		REL value (Respirable dust)	0.05 mg/m3	NIOSH
		TWA (Respirable dust)	0.05 mg/m3	OSHA Z-1
		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
		PEL (respir- able)	0.05 mg/m3	OSHA CARC
		TWA (Respirable dust)	0.05 mg/m3 (Silica)	NIOSH REL

**Engineering measures** : Ensure adequate ventilation.

Personal protective equipment

Respiratory protection : Wear a NIOSH-certified (or equivalent) respirator as neces-

sary.

Hand protection

Remarks : Wear chemical resistant protective gloves. Manufacturer's



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Version Revision Date: SDS Number: Date of last issue: 09/03/2020 2.0 03/15/2021 000000261107 Date of first issue: 09/03/2020

directions for use should be observed because of great di-

versity of types.

Eye protection : Safety glasses with side-shields.

Skin and body protection : Impermeable protective clothing

Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective

boots, chemical-protection suit.

Protective measures : 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.

Wearing of closed work clothing is recommended.

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.

Remove contaminated clothing immediately and clean before

re-use or dispose it if necessary.

Gloves must be inspected regularly and prior to each use.

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

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

Appearance : liquid

Color : various colours

Odor : slight odour, aromatic

Odor Threshold : not determined

pH : No data available

Melting point : No data available

Boiling point : 151 - 444 °F / 66 - 229 °C

Flash point : 190 °F / 88 °C

Evaporation rate : No data available

Flammability (liquids) : Combustible liquid.



# SikaThorocoat-300 Arctic smth med tbase Formerly MProtect HB 300SB medium

Version Revision Date: SDS Number: Date of last issue: 09/03/2020 2.0 03/15/2021 000000261107 Date of first issue: 09/03/2020

Upper explosion limit / Upper

flammability limit

20.4 %(V)

Lower explosion limit / Lower

flammability limit

0.6 %(V)

Vapor pressure : No data available

Relative vapor density : Heavier than air.

Relative density : 1

Density : 1.0 g/cm3 (68 °F / 20 °C)

Bulk density : Not applicable

Solubility(ies)

Water solubility : partly soluble

Solubility in other solvents : No data available

Partition coefficient: n-

octanol/water

No data available

Autoignition temperature : No data available

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

scribed/indicated.

Viscosity

Viscosity, dynamic : No data available

Viscosity, kinematic : No data available

Explosive properties : Not explosive

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

as oxidizing.

Sublimation point : No data 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- : Vapors may form explosive mixture with air.



# SikaThorocoat-300 Arctic smth med tbase Formerly MProtect HB 300SB medium

Version Revision Date: SDS Number: Date of last issue: 09/03/2020 2.0 03/15/2021 000000261107 Date of first issue: 09/03/2020

tions

Conditions to avoid : Heat, flames and sparks.

Incompatible materials : Strong acids

Strong bases

Strong oxidizing agents Strong reducing agents

Hazardous decomposition

products

No hazardous decomposition products if stored and handled

as prescribed/indicated.

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

### **Acute toxicity**

Not classified based on available information.

#### Skin corrosion/irritation

Not classified based on available information.

### Serious eye damage/eye irritation

Not classified based on available information.

#### Respiratory or skin sensitization

#### Skin sensitization

Not classified based on available information.

## Respiratory sensitization

Not classified based on available information.

#### Germ cell mutagenicity

May cause genetic defects.

#### Carcinogenicity

May cause cancer.

#### 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 : Health injuries are not known or expected under normal use.

The product has not been tested. The statements on toxicology have been derived from the properties of the individual



# SikaThorocoat-300 Arctic smth med tbase Formerly MProtect HB 300SB medium

Version 2.0

Revision Date: 03/15/2021

SDS Number: 000000261107

Date of last issue: 09/03/2020 Date of first issue: 09/03/2020

components.

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

#### **Ecotoxicity**

#### **Product:**

## **Ecotoxicology Assessment**

Acute aquatic toxicity : Harmful to aquatic life.

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

## **Components:**

#### diuron:

M-Factor (Acute aquatic tox- :

icity)

M-Factor (Chronic aquatic

toxicity)

10

10

## 3-iodo-2-propynyl butylcarbamate:

M-Factor (Acute aquatic tox-

10

icity)

M-Factor (Chronic aquatic

toxicity)

: 1

#### Persistence and degradability

No data available

# **Bioaccumulative potential**

No data available

#### Mobility in soil

No data available

#### Other adverse effects

#### **Product:**

Additional ecological infor-

mation

Do not discharge product into the environment without control. 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 regula-



# SikaThorocoat-300 Arctic smth med tbase Formerly MProtect HB 300SB medium

Version Revision Date: SDS Number: Date of last issue: 09/03/2020 2.0 03/15/2021 000000261107 Date of first issue: 09/03/2020

tions.

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

and disposed of in the same manner as the sub-

stance/product.

### **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

propane-1,2-diol 57-55-6
Limestone 1317-65-3
Titanium dioxide 13463-67-7
Distillates (petroleum), light distillate hydrotreating process, 68410-97-9

low-boiling

## **New Jersey Right To Know**

 propane-1,2-diol
 57-55-6

 Limestone
 1317-65-3

 Titanium dioxide
 13463-67-7

 Quartz (SiO2)
 14808-60-7

#### California Prop. 65

WARNING: This product can expose you to chemicals including acrylamide, which is/are known to the State of California to cause cancer and birth defects or other reproductive harm. 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



# SikaThorocoat-300 Arctic smth med tbase Formerly MProtect HB 300SB medium

Version Revision Date: SDS Number: Date of last issue: 09/03/2020 2.0 03/15/2021 000000261107 Date of first issue: 09/03/2020

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.

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

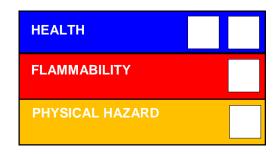
#### **Further information**

#### **NFPA 704:**

# Flammability Health 2 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

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

1-A)

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

)

29 CFR 1910.1001-1050 : OSHA - Specifically Regulated Substances (29 CFR

1910.1001-1050)

ACGIH : USA. ACGIH Threshold Limit Values (TLV)

1910.1000

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 CARC : OSHA Specifically Regulated Chemicals/Carcinogens
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-

its for Air Contaminants

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

eral Dusts

29 CFR 1910.1000 (Table Z- :

1-A) / TWA value

: Time Weighted Average (TWA):

29 CFR 1910.1000 (Table Z- : Permissible exposure limit



# SikaThorocoat-300 Arctic smth med tbase Formerly MProtect HB 300SB medium

Version Revision Date: SDS Number: Date of last issue: 09/03/2020 2.0 03/15/2021 000000261107 Date of first issue: 09/03/2020

1) / PEL

29 CFR 1910.1001-1050 / : OSHA Action level:

**OSHA** Action level

29 CFR 1910.1001-1050 / : Time Weighted Average (TWA):

TWA value

ACGIH / TWA : 8-hour, time-weighted average
ACGIHTLV / TWA value : Time Weighted Average (TWA):
NIOSH / REL value : Recommended exposure limit (REL):
NIOSH / STEL value : Short Term Exposure Limit (STEL):

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

workday during a 40-hour workweek

OSHA CARC / PEL : Permissible exposure limit (PEL)
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

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 : 03/15/2021



# SikaThorocoat-300 Arctic smth med tbase Formerly MProtect HB 300SB medium

Version Revision Date: SDS Number: Date of last issue: 09/03/2020 2.0 03/15/2021 000000261107 Date of first issue: 09/03/2020

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