

AntiStick™ Part A

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SECTION 1. IDENTIFICATIONProduct name: **AntiStick™** Part A

Applications identified: Industrial use

Manufacturer or supplier's details

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Recommended use of the chemical and restrictions on use

Recommended use: Additives to incorporate Self-Cleaning property and improve mechanical properties

SECTION 2. HAZARDS IDENTIFICATION**2.1 GHS Classification**

Flammable liquids : Category 3

Skin irritation : Category 2

Eye irritation : Category 2A

Skin sensitization : Category 1

Reproductive toxicity : Category 1B

Chronic aquatic toxicity : Category 2

Specific target organ toxicity - single exposure : Category 3 (Respiratory system, Central nervous system, may cause drowsiness or dizziness)

2.2 Label Elements**Hazard pictograms:**

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Signal words : Danger

Hazard statements

- : H226 - Flammable liquid and vapor.
- : H315 - Causes skin irritation.
- : H317 - May cause an allergic skin reaction.
- : H319 - Causes serious eye irritation.
- : H335 - May cause respiratory irritation.
- : H336 - May cause drowsiness or dizziness.
- : H360 - May damage fertility or the unborn child.
- : H411 - Toxic to aquatic life with long lasting effects.
- : EUH066 – Repeated exposure may cause skin dryness or cracking.

Precautionary statements (Prevention)

- : 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.
- : P233 - Keep containers tightly closed.
- : P240 - Ground/bond container and receiving equipment.
- : P241 - Use explosion-proof electrical/ ventilating/ lighting equipment.
- : P242 - Use only non-sparking tools.
- : P243 - Take precautionary measures against static discharge.
- : P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
- : P264 - Wash skin thoroughly after handling.
- : P271 - Use only outdoors or in a well-ventilated area.
- : P272 - Contaminated work clothing should not be allowed out of the workplace.
- : P273 - Avoid release to the environment.
- : P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection.
- : P281 - Use personal protective equipment as required.

Precautionary statements (Response)

- : P303 + P361 + P353 - IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
- : P304+P340 IF INHALED: remove person to fresh air and keep at rest in a position comfortable for breathing.
- : P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

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- : P308 + P313 - IF exposed or concerned: Get medical advice/ attention
- : P312 - Call a POISON CENTER/doctor/physician, if you feel unwell.
- : P331 - Do NOT induce vomiting.
- : P332 + P313 - If skin irritation or rash occurs: Get medical advice/ attention.
- : P337 + P313 - If eye irritation persists: Get medical advice/ attention.
- : P362 - Take off contaminated clothing and wash before reuse.
- : P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

Precautionary statements (Storage)

- : P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
- : P403 + P235 Store in a well-ventilated place. Keep cool.
- : P405 Store locked up.

Precautionary statements (Disposal)

- : P501 Dispose of contents/ container to an approved waste disposal plant.

2.3 Other Hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

SECTION 3. COMPOSITION/ INFORMATION ON INGREDIENTS

Substance/Mixture : Mixture

Hazardous components

Component	CAS No.	Concentration, %
N-butyl acetate	123-86-4	22≤x<24
1-Methoxy-2-propanol acetate	108-65-6	21≤x<23
Ethyl 3-ethoxypropionate	763-69-9	8≤x<10
Octyltriethoxysilane	2943-75-1	3≤x<4
1-Methoxy-2-propanol	107-98-2	<0.1
2-Methoxy-1-propanol acetate (impurity)	70657-70-4	<0.1
Isobutyl methacrylate	97-86-9	<0.1
Ethanol	64-17-5	<0.1
Butylated hydroxytoluene	128-37-0	<0.1

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SECTION 4. FIRST AID MEASURES

If inhaled	: Remove to fresh air. Administer artificial respiration if necessary. Get medical aid as soon as possible.
In case of skin contact	: Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical advice.
In case of eye contact	: Immediately flush with plenty of water for at least 20 minutes. Get medical aid.
If swallowed	: Do not induce vomiting; aspiration hazard. Dilute with 1-2 glasses of water. Get medical aid. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs.

Most important symptoms and effects, both acute and delayed: No information available.

SECTION 5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media	: Foam, carbon dioxide, dry powder
Unsuitable extinguishing media	: Full water jet

Special hazards arising from the substance or mixture

-The product is combustible, and heating may generate vapors which may form explosive vapor/air mixtures. During fire, gases hazardous to health may be formed.

-In the event of fire, the following can be released:

Carbon monoxide, carbon dioxide, silicon dioxide, formaldehyde, ethyl alcohol, silica, oxides of phosphorus, sulfur oxides, silicone compounds, chlorinated compounds

Advice for firefighters

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health.

Always wear full fire prevention gear. Do not inhale explosion and/or combustion gases

Further information	: Keep away from heat and sources of ignition. Keep away from oxidizing agents.
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SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures.

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Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of vapors and spray mist and contact with skin and eyes. Ensure adequate ventilation. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. In case of spills, beware of slippery floors and surfaces. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

6.2. Environmental precautions.

The product must not penetrate the sewer system or encounter surface water or ground water.

6.3. Methods and material for containment and cleaning up.

Stop leak. Dike and contain spill. Collect the leaked product into a suitable container. If the product is flammable, use explosion-proof equipment. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling.

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges.

Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat. Avoid leakage of the product into the environment.

Handle as an industrial chemical and keep container tightly closed.

7.2. Conditions for safe storage, including any incompatibilities.

Store only in the original container. Store in a dry, cool, and well-ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials, see section 10 for details.

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7.3. Specific end use(s).

Information not available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Components	CAS No.	Value type	Control parameters	Basis
N-butyl acetate	123-86-4	TWA	50 ppm	ACGIH
Ethanol	64-17-5	STEL	1000 ppm	ACGIH
1-Methoxy-2-propanol	107-98-2	TWA	50 ppm	ACGIH
1-Methoxy-2-propanol acetate	108-65-6	TWA	50 ppm	US WEEL
Ethyl 3-ethoxypropionate	763-69-9	TWA	50 ppm	CA ON OEL

Engineering measures: Use with local exhaust ventilation.

Personal protective equipment

Respiratory protection : Use an air purifying respirator with organic vapor (OV) cartridges. When there are exposures to mists (both solid and/or liquid droplets), a Class 1 particulate respirator (APF 10) is required (N, P, or R 100 filter) with the OV cartridge.

Hand protection Material : Nitrile rubber

Eye protection : Safety Glasses with side shields, Goggles. Face shield is recommended.

Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : Clean long legged, long sleeved work clothes. Handle in accordance with good industrial hygiene and safety

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties.

Appearance	liquid
Colour.	straw yellow
Odour.	characteristic
Odour threshold.	Not available.

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pH.	Not available.
Melting point / freezing point.	Not available.
Initial boiling point.	Not available.
Boiling range.	Not available.
Flash point.	Not available.
Evaporation Rate	Not available.
Flammability of solids and gases	Not available.
Lower inflammability limit.	Not available.
Upper inflammability limit.	Not available.
Lower explosive limit.	Not available.
Upper explosive limit.	Not available.
Vapour pressure.	Not available.
Vapour density	Not available.
Relative density.	Not available.
Solubility	insoluble in water
Partition coefficient:	n-octanol/water Not available.
Auto-ignition temperature.	Not available.
Decomposition temperature.	Not available.
Viscosity	Not determined.
Explosive properties	Not available.
Oxidising properties	Not available.

9.2. Other information.

Density Not determined.

SECTION 10. STABILITY AND REACTIVITY

Reactivity: Not classified as a reactivity hazard.

Chemical stability: Stable; polymerization will not occur

Possibility of hazardous reactions: 1-Methoxy-2-propanol acetate/1-Methoxy-2-propanol may form peroxides of unknown stability. Reacts with water and moisture in air liberating ethanol. N-butyl acetate decomposes on contact with water, and the vapors of n-butyl acetate may also form explosive mixtures with the air. N-butyl acetate may react dangerously with: alkaline hydroxides, potassium tert-butoxide.

Conditions to avoid: Avoid heat, sparks, open flames and other ignition sources. Prolonged heat/light/air exposure. Contact with incompatible materials.

Incompatible materials: Strong oxidizing agents, water, moisture, nitrates, acids, alkalis, zinc.

Hazardous decomposition products: Thermal decomposition or combustion may liberate toxic gases or fumes.

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SECTION 11. TOXICOLOGICAL INFORMATION

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

Information on likely routes of exposure

Skin contact
Skin Absorption
Inhalation
Eyes
Ingestion

Acute toxicity

N-BUTYL ACETATE

In humans the substance's vapours cause irritation to the eyes and nose. In the event of repeated exposure, there is skin irritation, dermatosis (with dryness and flaking of the skin) and keratitis

LD50 (Oral). > 6400 mg/kg Rat
LD50 (Dermal). > 5000 mg/kg Rabbit
LC50 (Inhalation). 21,1 mg/l/4h Rat

ETHANOL

LD50 (Oral). > 6200 mg/kg Rat
LC50 (Inhalation). 20000 ppm, 10 Hours Rat

1-METHOXY-2-PROPANOL ACETATE

LD50 (Oral). > 5155 mg/kg Rat
LD50 (Dermal). > 5000 mg/kg Rabbit
LC50 (Inhalation). 100 ppm/4h Rat

ISOBUTYL METHACRYLATE

LD50 (Oral). > 11990 mg/kg Mouse

METHOXY-2-PROPANOL

LD50 (Oral). > 5900 mg/kg Rat
LD50 (Dermal). > 13000 mg/kg Rabbit
LC50 (Inhalation). 1500 ppm Rat

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Irritation/corrosion of the skin: Causes skin irritation.
Serious eye damage/ eye irritation: Direct contact with eyes may cause temporary irritation.
Respiratory/skin sensitization: no data available
Repeated dose toxicity: no data available
CMR assessment
Carcinogenicity: no data available
Mutagenicity: no data available
Teratogenicity: no data available
Toxicity to reproduction: no data available
Specific Target Organ Toxicity - Single exposure: May cause drowsiness or dizziness.
Specific Target Organ Toxicity - Repeated exposure: no data available
Aspiration hazard: No Aspiration toxicity classification
Other information: Vapours may cause drowsiness and dizziness.
Repeated exposure may cause skin dryness or cracking.

SECTION 12. ECOLOGICAL INFORMATION

No data available.

SECTION 13. DISPOSAL CONSIDERATIONS

No data available.

SECTION 14. TRANSPORT INFORMATION

Land transport

USDOT

Hazard class: 3
Packing group: III
ID number: UN 1263
Hazard label: 3
Proper shipping name: PAINT

Sea transport

IMDG

Hazard class: 3
Packing group: III
ID number: UN 1263
Hazard label: 3
Marine pollutant: NO
Proper shipping name: PAINT

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Air transport

IATA/ICAO

Hazard class: 3
Packing group: III
ID number: UN 1263
Hazard label: 3
Proper shipping name: PAINT

SECTION 15. REGULATORY INFORMATION

No data available.

SECTION 16. OTHER INFORMATION

Revision Date: 2018/08/13

This version replaces all previous versions.

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