Material Safety Data Sheet

Titebond Instant Bond Accelerator Aerosol

Section 1. Identification

Product GHS identifier Titebond Instant Bond Accelerator Aerosol
Votre texte ici 1

Physical state Aerosol.

Address COMPANY NAME COMPANY
ADDRESS EMERGENCY
TELEPHONE NUMBER

Competent person :

Telephone :

In case of emergency :

E-mail address of the person responsible for this SDS : xxxxx@xxxxxxx.xxx

Reference number : 00

Product code : 76319

Revision date : 3/25/2023

Chemtrec (24 Hour) : (800) 424 - 9300

Chemtrec International : (703) 527 - 3887

Relevant identified uses of the substance or mixture and uses not recommended

Not applicable.

Section 2: Hazard identification

Classification of substance or mixture

FLAMMABLE AEROSOLS - Category 1
GAS UNDER PRESSURE - Compressed gas SKIN IRRITATION - Category 2
TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Effects narcotics) - Category 3
DANGER BY ASPIRATION - Category 1
Health hazards not otherwise classified - Category 1

GHS labelling elements

Danger pictograms :

Signal word : Danger

Danger phrases : Extremely flammable aerosol.
Contains pressurized gas; may explode when heated.
May be fatal if swallowed or enters respiratory tract. Causes skin irritation.
May cause drowsiness or dizziness.
Prolonged or repeated contact may dry the skin and cause irritation.

Safety advice

Section 2: Hazard identification

General : Read the label before use. Keep out of reach of children. In case of medical advice, keep container or label available.

Prevention : Wear protective gloves. Keep away from heat, hot surfaces, sparks, open flames and all other sources of ignition. Do not smoke. Do not spray on an open flame or any other source of ignition. Use only outdoors or in a well-ventilated area. Do not breathe dust or mist. Wash thoroughly after handling. Do not puncture or burn, even after use.

Intervention : **I F** SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. Remove contaminated clothing and wash before reuse.

Storage : Keep under lock and key. Store in a well-ventilated area. Keep container tightly closed. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Elements of a complementary label Avoid contact with skin and clothing. Wash thoroughly after handling.

Section 3. Composition/information on ingredients

Substance/preparation : Mixture

Other means of identification Not available.

Name of ingredients	% (w/w)	CAS number
Butadiene-1,3	<0.1	106-99-0

To the best of the supplier's knowledge, there are no other ingredients present that are classified as hazardous to health or the environment, and would therefore need to be included in this section.

Occupational exposure limits, where available, are listed in section 8.

Section 4. First aid

Description of necessary first aid

Eye contact Immediately flush eyes with plenty of water, lifting upper and lower eyelids from time to time. Check if the victim wears contact lenses and, if so, remove them. Continue rinsing for at least 10 minutes. Seek medical advice.

Inhalation Remove victim to fresh air and keep at rest in a position where breathing is comfortable. If it is suspected that fumes are still present, the rescuer should wear a suitable mask or self-contained breathing apparatus. In the absence of breathing, irregular breathing or respiratory arrest, qualified personnel should administer artificial respiration or oxygen. Mouth-to-mouth resuscitation can be dangerous for the rescuer. Consult a physician. If necessary, call a poison control center or doctor. If person is unconscious, place in recovery position and seek medical advice immediately.
Ensure good air circulation. Loosen anything that might be tight, such as a collar, tie, belt or waistband.

Skin contact Wash skin thoroughly with soap and water or use a recognized skin cleanser. Remove contaminated clothing and shoes. Continue rinsing for at least 10 minutes. Seek medical advice. Wash clothing before reuse. Wash shoes thoroughly before reuse.

Section 4. First aid

Ingestion : Consult a physician immediately. Call a poison control center or doctor. Rinse mouth with water. Remove dentures if present.
Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material is ingested and the exposed person is conscious, give small quantities of water to drink. Stop if the person feels ill, as vomiting may be dangerous. Risk of absorption by aspiration. May enter lungs and cause injury. Do not induce vomiting. If vomiting occurs, keep head down to avoid vomit entering lungs. Do not give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice immediately. Ensure good air circulation. Loosen anything that may be tight, such as a collar, tie, belt or waistband.

Most important symptoms and effects, both acute and delayed Potential acute health effects

Eye contact : Contact with this product may cause eye irritation.

Inhalation : May cause central nervous system (CNS) depression. May cause drowsiness or dizziness.

Skin contact : Causes skin irritation. Degreases skin.

Ingestion May cause central nervous system (CNS) depression. May be fatal if swallowed or if it enters the respiratory tract.

Signs/symptoms of overexposure

Eye contact : Adverse symptoms may include the following:
pain or irritation
lacrimation redness

Inhalation Adverse symptoms may include the following: respiratory tract irritation
cough
nausea or vomiting
migraine drowsiness/fatigue
dizziness/vertigo faintness

Adverse symptoms may include: irritation
redness dryness
cracking

Skin contact Adverse symptoms may include: nausea or vomiting

Ingestion

Mention of need for immediate medical attention or special treatment, if necessaryNote to attending physician

Symptomatic treatment required. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Special treatment : No special treatment.

Rescuer protection Do not take any action involving personal risk or in the absence of adequate training. If it is suspected that fumes are still present, the rescuer should wear a suitable mask or self-contained breathing apparatus. Mouth-to-mouth resuscitation can be dangerous for the rescuer.

See Toxicological information (section 11)

Section 5: Fire-fighting measures

Extinguishing media

Suitable extinguishing agents

Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing agents

None known.

Product-specific hazards

Extremely flammable aerosol. Discharge into drains may create fire or explosion hazard. If this product is heated or comes into contact with fire, a pressure build-up occurs and the container may burst, with the risk of subsequent explosion. Gas can accumulate in low or confined areas, or travel a considerable distance to a source of ignition, causing a flashback resulting in fire or explosion. An exploding aerosol can can be propelled from a fire at high speed.

Hazardous thermal decomposition product

Decomposition products may include the following substances:
carbon dioxide carbon monoxide

Special protective measures for firefighters

In the event of fire, quickly contain the site by evacuating all persons in the vicinity of the accident. Do not take any action involving personal risk or in the absence of adequate training. Move containers away from fire area if safe to do so. Cool containers exposed to flames with water spray.

Special protective equipment for fire-fighting personnel

Firefighters must wear suitable protective equipment, including self-contained breathing apparatus (SCBA) fitted with a positive-pressure face mask.

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency measures

For non-emergency staff

Do not take any action involving personal risk or in the absence of adequate training. Evacuate surrounding area. Prevent access to unprotected or troublesome persons. In the event of an aerosol can rupture, vigilance is essential due to the rapid release of pressurized contents and propellant. If a large number of containers rupture, treat as if a bulk product had spilled, in accordance with the instructions in the Clean-up section. Do not touch or walk through spilled material. Extinguish all sources of ignition. The danger zone must be free of cigarettes and flames.
Avoid breathing vapours or mist. Ensure adequate ventilation. Wear suitable respiratory equipment when ventilation is inadequate. Wear appropriate personal protective equipment.

Emergency responders

If specialized clothing is required to deal with a spill, note any information given in Section 8 on appropriate and inappropriate materials. See also information under "For non-emergency personnel".

Environmental precautions

Avoid dispersion of spilled material, runoff and contact with soil, waterways, drains and sewers. Notify the appropriate authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and clean-up

Small spill : Stop leak if without risk. Move containers away from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if material is water-soluble. If not, or if material is insoluble in water, absorb with an inert dry material and place in a suitable waste container. Dispose of through an authorized specialist company.

Section 6: Accidental release measures

Large spill : Stop leak if without risk. Move containers away from spill area. Use spark-proof tools and explosion-proof equipment. Approach fumes from upwind. Prevent entry into sewers, waterways, basements or confined areas. Dispose of spills in an effluent treatment plant, or proceed as follows. Contain spills and collect with non-combustible absorbent materials such as sand, earth, vermiculite or diatomaceous earth. Then place in a container for disposal in accordance with local regulations (see Section 13). Dispose of through an authorized specialist company. Contaminated absorbent material may pose the same hazard as the spilled product. Note: See Section 1 for emergency information and Section 13 for waste disposal.

Section 7. Handling and storage

Safety precautions for handling

Protective measures

Wear suitable personal protective equipment (see Section 8).
Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not swallow. Avoid contact with eyes, skin and clothing. Avoid breathing gas. Avoid breathing vapours or mist. Use only in a well-ventilated environment. Wear suitable respiratory equipment when ventilation is inadequate. Keep away from heat, sparks, open flame or other sources of ignition. Use explosion-proof electrical (ventilation, lighting and handling) equipment. Do not use spark-producing tools. Empty containers retain product residues and may present a hazard.

Tips on general hygiene at work

No eating, drinking or smoking in areas where this product is handled, stored or processed. Persons working with this product should wash hands and face before eating, drinking or smoking. Remove contaminated clothing and protective equipment before entering eating areas.
See also Section 8 for further information on hygiene measures.

Storage safety conditions, including incompatibilities

Do not store above 50°C (122°F). Store in accordance with local regulations. Store out of direct sunlight, in a dry, cool, well-ventilated place, away from incompatible substances (see section 10), food and drink. Protect from sunlight. Keep locked up. Eliminate all sources of ignition. Use suitable container to avoid contamination of surrounding environment.
See section 10 on incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Butadiene-1,3	**CA Alberta Provincial (Canada, 6/2018).** 8 hrs OEL: 4.4 mg/m³ 8 hours. 8 hrs OEL: 2 ppm 8 hrs. **CA British Columbia Provincial (Canada, 5/2019).** TWA: 2 ppm 8 hours. **CA Ontario Provincial (Canada, 6/2019).** TWA: 2 ppm 8 hours. **CA Québec Provincial (Canada, 7/2019).** TWAEV: 2 ppm 8 hours.

Section 8. Exposure controls/personal protection

	TWAEV: 4.4 mg/m³ 8 hours. **CA Saskatchewan Provincial (Canada, 7/2013).** STEL: 4 ppm 15 minutes. TWA: 2 ppm 8 hours.

Appropriate engineering controls

Use only in a well-ventilated environment. Use closed enclosures, local exhaust ventilation, or other built-in automatic control systems to keep technician exposure to airborne contaminants below recommended limits, or legal. Engineering measures must also keep gas, vapour or dust concentrations below any minimum explosion threshold. Use explosion-proof ventilation equipment.

Controlling the actions of environmental agents

It **is** important to test emissions from ventilation systems and manufacturing equipment to ensure that they comply with the requirements of environmental protection legislation. In some cases, manufacturing equipment may need to be fitted with a gas scrubber or filter, or technically modified to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures : After handling chemicals, wash hands, forearms and face thoroughly before eating, smoking, using the toilet and after work. Use appropriate techniques to remove contaminated clothing. Wash contaminated clothing before reuse. Ensure that eyewash stations and decontamination showers are installed near workstations.

Eye/face protection

Safety eyewear**:** Safety eyewear complying with an approved standard must be worn when a risk assessment indicates this is necessary to prevent exposure to liquid splashes, mist, gas or dust. If contact is possible, the following protection must be worn, unless an assessment indicates a need for greater protection: chemical splash goggles.

Skin protection Hand protection

When handling chemicals, always wear waterproof, chemical-resistant gloves complying with an approved standard, if a risk assessment indicates that this is necessary. Taking into account the parameters indicated by the glove manufacturer, check that gloves always retain their protective properties during use. It should be noted that the breakthrough time for any material used in gloves may vary for different glove manufacturers. In the case of mixtures of several substances, the duration of glove protection cannot be accurately assessed.

Body protection

Personal protective equipment for the body must be appropriate to the task and the risks involved, and approved by an expert before handling this product. When there is a risk of ignition caused by static electricity, wear antistatic protective clothing. For the best protection against static discharge, clothing should include antistatic coveralls, boots and gloves.

Other skin protection

Footwear**:** Appropriate footwear and other skin protection measures must be selected according to the task in hand and the risks involved, and must be approved by a specialist before handling this product.

Respiratory protection : Depending on the risk and potential for exposure, select a respirator that complies with the appropriate standard or certification. Respirators must be used in accordance with a protective program to ensure proper fit, appropriate training and important aspects of use.

Section 9. Physical and chemical properties

Appearance

Physical state : Liquid. [Aerosol.]

Color : Clear.

Odor : Solvent(s)

Olfactory threshold : Not available.

pH : Not available.

Melting point : Not available.

Boiling point : Not available.

Flash point : Closed vessel: -97°C (-142.6°F)

Evaporation rate : <1 (anhydrous ether = 1)

Flammability (solids and gases) : Extremely flammable in the presence of the following materials or conditions: open flames, sparks and static discharge.
Highly flammable in the presence of the following materials or conditions: heat.

Upper and lower explosion (ignition) limits : Minimum threshold: 1.5%
Maximum threshold: 10.9

VOC (less water, less exempt solvents) : 636.41 g/l

Not available.

Vapour pressure : 830.1 kPa (6226 mm Hg) [ambient temperature].

Relative density : 0.638

Solubility : Insoluble in cold and hot water.

Aerosol product

Type of aerosol : Spray

Heat of combustion : 18.31 kJ/g

Section 10. Stability and reactivity

Reactivity : No specific reactivity test data available for this product or its ingredients.

Chemical stability : The product is stable.

Risk of dangerous reactions : Under normal conditions of storage and use, no dangerous reactions occur.

Conditions to avoid : Eliminate all possible sources of ignition (sparks or flames).

Incompatible materials : No specific data.

Hazardous decomposition products : Under normal conditions of storage and use, no hazardous decomposition products are expected.

Section 11. Toxicological data

Information on toxicological effects Acute toxicity

Product or ingredient name	Results	Species	Dosage	Exhibition
Butadiene-1,3	LC50 Inhalation Gas. LC50 Inhalation Vapour LD50 Oral	Rat Rat Rat	128000 ppm 285 g/m³ of water 5480 mg/kg	4 hours 4 hours -

Irritation/Corrosion

Not available.

Section 11. Toxicological data

Conclusion/Summary

Skin : Prolonged or repeated contact may defatten the skin, causing irritation, chapping and/or dermatitis.

Eyes : Moderately irritating to eyes.

Respiratory : High vapour concentrations may cause headaches, dizziness, drowsiness, nausea and unconsciousness. Irritating to respiratory tract.

Awareness

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ systemic toxicity - single exposure -

Name	Category	Route of exposure	Target organs
Titebond Instant Bond Accelerator Aerosol	Category 3	-	Narcotic effects

Specific target organ toxicity - repeated exposure -

Not available.

Risk of aspiration absorption

Name	Results
Titebond Instant Bond Accelerator Aerosol	DANGER BY ASPIRATION - Category 1

Information on likely routes of exposure Probable routes of entry: Oral, Dermal, Inhalation.

Potential acute health effects

Eye contact : Contact with this product may cause eye irritation.

Inhalation : May cause central nervous system (CNS) depression. May cause drowsiness or dizziness.

Skin contact : Causes skin irritation. Degreases skin.

Ingestion May cause central nervous system (CNS) depression. May be fatal if swallowed or if it enters the respiratory tract.

Symptoms corresponding to physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:
pain or irritation
lacrimation redness

Section 11. Toxicological data

Inhalation

Adverse symptoms may include: respiratory tract irritation
cough
nausea or vomiting
migraine drowsiness/fatigue
dizziness/vertigo faintness

Adverse symptoms may include: irritation
redness dryness
cracking

Skin contact

Adverse symptoms may include: nausea or vomiting

Ingestion

Delayed and immediate effects as well as chronic effects caused by short- and long-term exposure Short-term exposure

Possible immediate effects: Not available.

Possible delayed effects: Not available.

Long-term exposure

Possible immediate effects: Not available.

Possible delayed effects: Not available.

Potential chronic health effects

Not available.

General: Prolonged or repeated contact may defatten the skin, leading to irritation, cracking and/or dermatitis.

Carcinogenicity: No known significant effects or critical hazards.

Mutagenicity: No known significant effects or critical hazards.

Teratogenicity: No known significant effects or critical hazards.

Effects on development: No known significant effects or critical hazards.

Effects on fertility: No known significant effects or critical hazards.

Numerical toxicity values Acute toxicity estimates Not available.

Toxicity

Section 12. Ecological data

Not available.

Persistence and degradation

Not available.

Bioaccumulation potential

Product or ingredient name	LogKoe	FBC	Potential
Butadiene-1,3	1.99	-	low

Mobility in soil

Section 12. Ecological data

Soil/water distribution coefficient (KOC) Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal information

Disposal methods It is important to minimize or avoid the generation of waste wherever possible. Disposal of this product, solutions and all co-products must always comply with environmental protection and waste disposal legislation, and with the requirements of local authorities. Dispose of surplus and non-recyclable products through an authorized specialist company. Do not discharge untreated waste into the sewage system, unless in compliance with the requirements of all relevant authorities. Waste packaging must be recycled. Incineration or landfill should only be considered when recycling is not possible. Only dispose of this product and its container in a safe way. Empty containers or liners may retain product residues. Do not puncture or incinerate.

Section 14: Transport information

	DOT classification	Classification for TDG	Mexican ranking	ADR/RID	IMDG	IATA
UN number	UN1950	UN1950	UN1950	UN1950	UN1950	UN1950
UN Proper shipping name	Aerosols, flammable	Aerosols, flammable	Aerosols, flammable	Aerosols, flammable	Aerosols, flammable	Aerosols, flammable
Transport hazard class	2.1 	2.1 	2.1 	2 	2.1 	2.1 
Packaging group	-	-	-	-	-	-
Hazards environmental	No.	No.	No.	No.	No.	No.

Other information DOT classification

Declarable quantity: 10000 lb / 4540 kg [1879.8 gal / 7116 L]. Dimensions of packages shipped in quantities less than the declarable quantity of the product are not subject to the transport requirements of the declarable quantity.
Remarks Limited quantity

Classification for TDG Product classified under the following sections of the Transportation of Dangerous Goods Regulations: 2.13-2.17 (Class 2).
Remarks Limited quantity

Mexican ADR/RID classification
Remarks Limited quantity

Tunnel code (D)
Remarks Limited quantity

IMDG : **Emergencies** F-D, S-U
Remarks Limited quantity

Section 14: Transport information

Special protection for the user

Transport with local users: always transport in correct and secure packaging. Make sure people transporting the product know what to do in the event of an accident or spill.

Not available.

Bulk transport under IMO instruments

Section 15: Regulatory information

Canadian listings

Canadian NPRI : The following components are listed: Propane; Butane (all isomers)

CEPA (Canadian Environmental Protection Act) toxic substances

None of the components are listed.

International regulations

List of chemicals in schedules I, II and III of the Chemical Weapons Convention

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

UNECE Aarhus Protocol on POPs and heavy metals

Not listed.

Inventory list

Canada : All components are listed or excluded.

United States : All components are listed or excluded.

Section 16. Other information

History

Print date : 3/25/2023

Edition date/Revision date : 3/25/2023

Previous publication date No previous validation

Version : 1

Key to abbreviations : ETA = Estimated Acute Toxicity
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association CVI = Intermediate bulk container
IMDG code = International Maritime Dangerous Goods Code LogKow = octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution from Ships, 1973, as amended by the 1978 Protocol. ("MARPOL" = maritime pollution)
UN = United Nations
HPR = Hazardous Products Regulation

Section 16. Other information

Procedure used to prepare the classification

Classification	Justification
FLAMMABLE AEROSOLS - Category 1 GAS UNDER PRESSURE - Compressed gas SKIN IRRITATION - Category 2 TOXICITY TO CERTAIN TARGET ORGANS - SINGLE EXPOSURE (Effects narcotics) - Category 3 DANGER BY ASPIRATION - Category 1 Health hazards not otherwise classified - Category 1	Expert judgement According to packaging Expert judgement Expert judgement Expert judgement On the basis of test data

References : Not available.

Indicates what information has changed since the previous version. Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. It is the sole responsibility of the user to determine the appropriateness of the materials.
All materials may present unknown hazards and should be used with caution. Although some hazards are described herein, we cannot guarantee that others do not exist.