ALSAN® TRAFIK PU 421 Part B

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 2/20/2020 Revision date: 02/20/2020

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture

Product name : ALSAN TRAFIK PU 421 Part B

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Polyurethane coating used in waterproofing applications

1.3. Details of the supplier of the safety data sheet

Manufacturer:
SOPREMA INC.
310 Quadral Dr.
Wadsworth, OH 44281
Tel: 1-800-356-3521

Distributors:
SOPREMA Canada
1675 Haggerty Street
Drummondville (Quebec) J2C 5P7
Tel: 1-819-478-8163

SOPREMA Canada
44955 Yale Road West
Chilliwack (BC) V2R 4H3
CANADA
Tel: 1-604-793-7100

SOPREMA INC
12251 Seaway Road
Gulfport (Mississippi) 39507
UNITED STATES
Tel: 1-228-701-1900

1.4. Emergency telephone number

Emergency number : CHEMTREC 1-800-434-9300 (Acct.# CCN20515). CANUTEC 1-613-996-6666

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Acute aquatic toxicity	Category 1
Acute toxicity Dermal	Category 4
Acute toxicity Oral	Category 4
Chronic aquatic toxicity	Category 1
Serious Eye Damage	Category 1
Skin Corrosion	Category 1C
Specific Target Organ Toxicity - Repeated Exposure	Category 2
Specific Target Organ Toxicity - Single Exposure	Category 1

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :

Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : H312 - Harmful in contact with skin
H302 - Harmful if swallowed
H318 - Causes serious eye damage
H314 - Causes severe skin burns and eye damage
H373 - May cause damage to organs through prolonged or repeated exposure.
H370 - Causes damage to organs.
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (GHS-US) : P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P103: Read label before use.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P264 - Wash thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P391 - Collect spillage.
P302 + P352 - IF ON SKIN: Wash with plenty of water.
P312 - Call a POISON CENTER/doctor if you feel unwell.
P321 - Specific treatment (see section 4 on this SDS).
P362 + P364 - Take off contaminated clothing. And wash it before reuse.
P301 + P312 - IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P330 - Rinse mouth.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER or doctor.
P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P363 - Wash contaminated clothing before reuse.
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P314 - Get Medical advice/attention if you feel unwell.
P308 + P311 - IF exposed or concerned: Call a POISON CENTER/doctor.
P405 - Store locked up.
P501 - Dispose of contents/ container to an approved waste disposal plant.

2.3. Other hazards

No data available

2.4. Unknown acute toxicity (GHS US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier (CAS No)	%
AROMATIC AMINE	68479-98-1	32 – 57
ALDIMINE	54914-37-3	32 – 57

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove source of exposure or move person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER/doctor. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by the POISON CENTER/doctor.

If exposed/feel unwell/concerned: Call a POISON CENTER/doctor.

Eliminate all ignition sources if safe to do so.

First-aid measures after skin contact : Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Gently blot or brush away excess product. Wash with plenty of lukewarm, gently flowing water for a duration of 15-20 minutes. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before re-use or discard.

IF exposed or concerned: Get medical advice/attention.

First-aid measures after eye contact : Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for a duration of 15-20 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. If vomiting occurs naturally, lie on your side, in the recovery position.

Give 1 or 2 glasses of milk or water to drink and refer person to medical personnel. Do not give anything by mouth to an unconscious person.

IF exposed or concerned: Get medical advice/attention.

4.2. Most important symptoms and effects, both acute and delayed

No data available

4.3. Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Dry chemical, foam, carbon dioxide water spray or fog is recommended. Water spray is recommended to cool or protect exposed materials or structures. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam. Sand or earth may be used for small fires only.

Unsuitable extinguishing media : If water is used, use very large quantities of cold water. The reaction between water and hot isocyanate may be vigorous.

5.2. Special hazards arising from the substance or mixture

Sudden reaction and fire may result when the product is exposed to oxidizing agents.

5.3. Advice for firefighters

Firefighting instructions : Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Water may be ineffective but can be used to cool containers exposed to heat or flame. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Wear protective pressure self-contained breathing apparatus (SCBA)and full turnout gear. Care should always be exercised in dust/mist areas.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Keep unnecessary people away; isolate hazard area and deny entry. Do not touch or walk through spilled material. Clean up immediately. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

6.1.2. For emergency responders

Protective equipment : Appropriate dust or face mask to eliminate breathing foam dust particulates.

Emergency procedures	:	Keep unnecessary people away; isolate hazard area and deny entry. Do not touch or walk through spilled material. Clean up immediately. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Avoid breathing vapors. Avoid contact with skin, eyes or clothing. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

6.2. Environmental precautions

Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	:	Soak up material with absorbent and shovel into a chemical waste container. Cover container, but do not seal, and remove from work area. Residues from spill cleanup may continue to be regulated under provisions of RCRA and require storage and disposal as hazardous waste. For major spills, call CHEMTREC (Chemical Transportation Emergency Center) at 800-424-9300.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	:	Wash hands after use. Do not get in eyes, on skin or on clothing. Do not breathe vapors or mists. Use good personal hygiene practices. Eating, drinking and smoking in work areas is prohibited. Remove contaminated clothing and protective equipment before entering eating areas. Eyewash stations and showers should be available in areas where this material is used and stored.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	:	Keep container(s) tightly closed and properly labeled. Store in cool, dry, well-ventilated areas away from heat, direct sunlight, strong oxidizers and any incompatibilities. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty container retain residue and may be dangerous. Use non-sparking ventilation systems, approved explosion-proof equipment and intrinsically safe electrical systems in areas where this product is used and stored. Store in tightly sealed containers to protect from atmospheric moisture. Store in a cool dry area. Store liquid in containers above ground and surround by dikes to contain spills or leaks. Ground and bond containers and receiving equipment. Avoid static electricity by grounding.

7.3. Specific end use(s)

No additional information.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information.

8.2. Exposure controls

Appropriate engineering controls	:	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.
Personal protective equipment	:	Avoid all unnecessary exposure.
Skin protection	:	Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Use of an apron and over- boots of chemically impervious materials such as neoprene or nitrile rubber is recommended to avoid skin sensitization. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Launder soiled clothes or properly disposed of contaminated material, which cannot be decontaminated.
Eye protection	:	Wear eye protection with side shields or goggles. Wear indirect-vent, impact and splash resistant goggles when working with liquids. If additional protection is needed for entire face, use in combination with a face shield.

Respiratory protection	:	If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed. Check with respiratory protective equipment suppliers. When airborne concentrations exceed or are expected to exceed the TLV, use MSHA/NIOSH approved positive pressure supplied air respirator with a full-face piece or an air supplied hood. For emergencies, use a positive pressure self-container breathing apparatus.

None of the chemicals in Section 3 are regulated under "OSHA_Tables_Z1_Z2_Z3", "OSHACarcinogen - OSHA Carcinogen", "OSHAtppm", "OSHAtmg", "OSHAsppm", "OSHAsmg", "ACGIHtppm", "ACGIHtmg", "ACGIHsppm", "ACGIHsmg", "nioshtppm", "nioshtmg", "nioshsppm", "nioshsmg", "NIOSH_carcinogen", "OSHA_SkinDesignation".

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Color	:	Black
Odor	:	Amine
Odor threshold	:	No data available
pH	:	No data available
Relative evaporation rate (butyl acetate=1)	:	Slower than ether
Melting point	:	No data available
Freezing point	:	No data available
Low Boiling point	:	586°F
Flash point	:	392°F
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	No data available
Vapor pressure	:	No data available
Relative vapor density at 20 °C	:	Heavier than air
Relative density	:	No data available
Specific Gravity	:	0.94
Density	:	7.81 lb/gal
Solubility	:	No data available
Log Pow	:	No data available
Log Kow	:	No data available
Viscosity, Brookfield LVT	:	No data available
Viscosity, Stormer	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available
Explosion limits	:	No data available

9.2. Other information

VOC content : 76.69 g/L combined

SECTION 10: Stability and reactivity

10.1. Reactivity

Material is stable at standard temperature and pressure.

10.2. Chemical stability

Material is stable at standard temperature and pressure.

10.3. Possibility of hazardous reactions

Will not occur.

10.4. Conditions to avoid

Heat, high temperature, open flame, and moisture. Avoid contact with incompatible materials.

10.5. Incompatible materials

This product will react with any material containing isocyanate. Some reactions can be violent.

10.6. Hazardous decomposition products

Combustion products: organic vapors and thermal decomposition fragments.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation: Product may be absorbed through skin and cause nausea, headache, and general discomfort. Causes severe skin burns and eye damage.
Serious Eye Damage/Irritation: Vapors can irritate the eyes. Chemical burns may result due to overexposure. Affects of exposure may be delayed. Causes serious eye damage
Respiratory/Skin sensitization: Inhalation: Severe overexposure may induce respiratory sensitization with asthma like symptoms. These symptoms may be immediate or delayed up to several hours after exposure. Chronic exposures may result in permanent decreases in lung function. Skin sensitization may develop after repeated and/or prolonged contact.
Aspiration hazard: No data available.
Carcinogenicity: No data available
Germ cell mutagenicity: No data available.
Specific Target Organ Toxicity - Single Exposure: Causes damage to organs.
Specific target organ toxicity - Repeated exposure: May cause damage to organs through prolonged or repeated exposure.
Reproductive Toxicity: No data available.
Acute Toxicity: If ingested : In humans, irritation or chemical burns of the mouth, pharynx, esophagus and stomach can develop following ingestion, and injury may be severe and cause death. Repeated and prolonged exposure at low levels may result in adverse skin and eye effects, liver and kidney disorders. Harmful in contact with skin. Harmful if swallowed.
Acute Toxicity:
54914-37-3 ALDIMINE LD50 (rat,oral): 4150 mg/kg (based on raw material SDS) LD50 (rat,dermal): >5000 mg/kg (based on raw material SDS)

SECTION 12: Ecological information

12.1. Toxicity

Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Other adverse effects

No specific data available on this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods : Under RCRA, it is the responsibility of the user of the product, to determine a the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state, and local laws.

Empty containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

RCRA WASTE CODE : None listed

EU WASTE CODE : None listed

SECTION 14: Transport information

US DOT:
UN/NA #: 1760
UN Proper Shipping Name: CORROSIVE LIQUID, N.O.S. (CONTAIN AMINES)
Hazard Class: 8
Packing Group: III
Placard: CORROSIVE

IMDG:
UN/NA #: 1760
UN Proper Shipping Name: CORROSIVE LIQUID, N.O.S. (CONTAIN AMINES)
Hazard Class: 8
Packing Group: III
Marine Pollutant: No data available

IATA:
UN/NA #: 1760
UN Proper Shipping Name: CORROSIVE LIQUID, N.O.S. (CONTAIN AMINES)
Class: 8
Packing group: III
Placard: Corrosive

Additional information

Other information : No additional information.

SECTION 15: Regulatory information

15.1. US Federal regulations

CAS #	Chemical Name	% By Weight	Regulation List
54914-37-3	ALDIMINE	32% - 57%	DSL,SARA312,TSCA
68479-98-1	AROMATIC AMINE	32% - 57%	SARA312, VOC, TSCA

SECTION 16: Other information

Revision date : 2/20/2020

Other information : As per GHS, category 1 is the greatest level of hazard within each class.

Document reference : EU U WAD SS FS 023

SDS US (GHS HazCom 2012) - Custom

This SDS contains all the information required by ANSI Z400.1 standard (United States), by regulation 29 CFR Part 1910-1200 of the Hazard Communication Standard of OSHA and is in accordance with DORS/88-66 of WHMIS (Canada).

The best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy of completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.