

SAFETY DATA SHEET (SDS)

Section 1. Identification

| Product identifier | LOGGIN ART RESIN Part A | |
|----------------------------------|--|--|
| Other means of identification | n CRUV11000A | |
| Recommended use and restr | rictions on use Casting and Countertops | |
| Initial supplier identifier | LabSurface. 101-1079, rue des Forges, Terrebonne, QC, J6Y 0J9 (Canada) Tél. (450) 966-9000 | |
| Emergency telephone number | er/restriction on use Canada – CANUTEC Number 24 hours 613-996-6666 | |
| Section 2. Hazard Identification | | |
| Classification of hazardous | product (name of the category or subcategory of the hazard class) | |
| | | |
| Acute toxicity, oral (Category | | |
| Skin corrosion/irritation (Cate | egory 2) | |
| Skin sensitization (Category 1 | | |
| Serious eye damage/eye irritat | tion (Category 2A) | |

Hazardous to the aquatic environment, long-term-hazard (Category 3)

Information elements (symbols, signal words, hazard statements and precautionary statements of the category/subcategory)



Warning

H302 Harmful if swallowedH315 Causes skin irritation.H317 May cause an allergic skin reaction.H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects

Prevention

P261 Avoid breathing dust/fume/gas/mist/vapors/spray. P264 Wash hands/nails/face/eyes thoroughly after handling. P270 Do not eat, drink or smoke when using this product P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment. P280 Wear gloves/protective clothing/gloves/eye protection/face protection.

Response

IF SWALLOWED: P301 + P312 Call a Poison Center/doctor if you feel unwell. P330 Rinse mouth.

IF ON SKIN: P302 + P352 Wash with plenty of water. P312 Call a POISON CENTER/doctor if you feel unwell.P333+P313 If skin irritation or rash occurs: Get medical advice/attention P362 + P364 Take off contaminated clothing and wash it before reuse.

IF INHALED: P304 + P340 Remove person to fresh air and keep comfortable for breathing. P312 Call a POISON CENTER/doctor if you feel unwell.

IF IN EYES: P305 + P351 + P338 Rinse cautiously with water. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical attention.

Disposal

P501 Dispose of contents/container into safe container in accordance with local, regional or national regulations.

Other hazards known None

| Section 3. Composition/Information on Ingredients | | | |
|--|---|------------------------------------|----------------------------------|
| Chemical name | (common name/synonyms) | CAS number or other | Concentration (%)* |
| Polymère en Bisphénol A / Epichlorohydrine25068-38-6> 70 % | | > 70 % | |
| 2,2'-[1,4-Butaned | 2,2'-[1,4-Butanediylbis(oxymethykene)bis[oxirane] 2425-79-8 <10 % | | < 10 % |
| Benzyl Alcohol | | 100-51-6 | < 15 % |
| Trade secret | | | < 10 % |
| *Statement - This safety data sheet provides concentration range(s) instead of the actual concentration(s) considered trade secret(s). | | | |
| Section 4. First-Aid Measures | | | |
| Inhalation | IF INHALED: If overexposure remove person to fresh air and keep comfortable for breathing. If symptoms persist, seek medical attention. | | |
| Ingestion | IF SWALLOWED: Immediately call a doctor. Never give vomit. | anything by mouth to an unconsciou | us person. Prevent aspiration of |
| Skin contact | IF ON SKIN: Wash immediately with soap and plenty attention. Take off contaminated clothing and wash it before | | |



| | | bands. If symptoms persist, seek medical attention. |
|--|--|--|
| Eye contact | do. Continue rinsing. If eye irritation persists: | |
| Most important | t symptoms and effects (acute or delayed) | Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. |
| Indication of immediate medical attention/special treatment Ir | | In all cases, call a doctor. Do not forget this document. |
| | | Fire-Fighting Measures |
| Specific hazard | s of the hazardous product (hazardous combu | |
| Smoke, fume, ox | | ···· |
| | suitable extinguishing media | |
| | Jse Carbon dioxide (CO ₂), dry chemical, water an | id alcohol resistant foam |
| | ve equipment and precautions for fire-fighters | |
| During a fire, irr | itating/toxic fumes may be generated. Do not ent | er fire area without proper protection. Firefighters should wear proper protective |
| equipment as req | | cidental Release Measures |
| Personal preca | itions, protective equipment and emergency p | |
| Evacuate non-en personnel only. A drains, sewers, w | nergency personnel. Isolate the area and prevent a All persons dealing with clean-up should wear the vater supplies, or soil. ELIMINATE all ignition s precautionary measures against static discharges. | access. Control source of the leak. Ensure clean-up is conducted by trained e appropriate protective equipment (See Section 8). Prevent the spill spread into ources (no smoking, flares, sparks or flames in immediate area). Pay attention to All equipment used when handling the product must be grounded. Do not touch |
| | aterials for containment and cleaning up | |
| Avoid prolonged material and disp from all waterco | exposure. Stop leak if you can do it without risk. posed into suitable retaining area. Small volumes | Do not touch or walk through spilled material. Spill should be contained with iner of liquid may be contained or absorbed into an appropriate absorbent. Keep away . Take precautionary measures against static discharges. Dispose of in accordance |
| , _ , _ | | |
| | Section 7. | Handling and Storage |
| Avoid breathing | safe handling dust/fume/gas/mist/vapors/spray. Wash hands/na | |
| this product. Co. clothing/gloves/ Conditions for s Store in a cool, ignition. Store a damaged. Storag | safe handling dust/fume/gas/mist/vapors/spray. Wash hands/na ntaminated work clothing should not be allowed eye protection/face protection. safe storage, including any incompatibilities well-ventilated area. Keep container closed whe way from incompatible materials (Section 10). If ge area should be clearly identified, clear of obsta | ails /face/eyes thoroughly after handling. Do not eat, drink or smoke when using out of the workplace. Avoid release to the environment. Wear gloves/protective en not in use. Do not handle or store near open flames, heat or other sources of Inspect all incoming containers to make sure they are properly labelled and not ruction and accessible only to trained personnel. Inspect periodically for damage |
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| Avoid breathing this product. Co clothing/gloves// Conditions for s Store in a cool, ignition. Store a damaged. Storage or leaks. Storage or leaks. Storage Control parame Exposure limits: Appropriate en Use product in v contaminants be and near handling meets recognized Individual prot Gloves: Neoprer Use a NIOSH ap protection and hy personal hygiend use and handling Appearance, ph Odour Faint c Odour threshol pH Not avai | safe handling dust/fume/gas/mist/vapors/spray. Wash hands/mintaminated work clothing should not be allowed eye protection/face protection. safe storage, including any incompatibilities well-ventilated area. Keep container closed whe way from incompatible materials (Section 10). It ge area should be clearly identified, clear of obstrictemperature: 16 - 27 °C. Section 8. Exposure eters (biological limit values or exposure limit a ACGIH – TLV-TWA Not available gineering controls well-ventilated areas. Do not spray the product. low exposure limits. Supply emergency safety/quing area. Where such systems are not effective, distandards. ettorin measures/personal protective equipmening proved respirators if the exposure limits are unkry giene: Wash hands/nails/face thoroughly after h e after using this material. Remove and wash controls of this product. Follow all label instructions. Section 9. Physical state/colour Liquid odor Mot available gipoint Not available | ails /face/eyes thoroughly after handling. Do not eat, drink or smoke when using out of the workplace. Avoid release to the environment. Wear gloves/protective en not in use. Do not handle or store near open flames, heat or other sources o Inspect all incoming containers to make sure they are properly labelled and no ruction and accessible only to trained personnel. Inspect periodically for damage re Controls/Personal Protection values and source of those values) Local exhaust ventilation system is recommended to maintain concentrations o nick-drench shower, eyewash station and washing facilities available in work area wear suitable personal protection equipment which performs satisfactorily and t sleeves, long pants; Respiratory: Not required if working area is well ventilated. nown; Equipment: Safety glasses, chemical resistant. Special instructions for andling. Do not eat, drink or smoke when using this product. Practice good taminated work clothing before re-use. Educate and train employees in the safe ical and Chemical Properties Vapour pressure Not available Relative density Not available Solubility Not soluble |
| Avoid breathing this product. Co clothing/gloves// Conditions for s Store in a cool, ignition. Store a damaged. Storage or leaks. Storage Control parame Exposure limits: Appropriate en Use product in v contaminants be and near handling meets recognized Individual prot Gloves: Neoprer Use a NIOSH ap protection and h personal hygiend use and handling Appearance, ph Odour Faint c Odour threshol pH Not avai Melting/freezin | safe handling dust/fume/gas/mist/vapors/spray. Wash hands/mintaminated work clothing should not be allowed eye protection/face protection. safe storage, including any incompatibilities well-ventilated area. Keep container closed whe way from incompatible materials (Section 10). If the early identified, clear of obstrict temperature: 16 - 27 °C. Section 8. Exposure terms (biological limit values or exposure limit a ACGIH – TLV-TWA Not available gineering controls well-ventilated areas. Do not spray the product. low exposure limits. Supply emergency safety/quing area. Where such systems are not effective, distandards. ettorin measures/personal protective equipment on gloves or equivalent; Clothing: Shirts with long proved respirators if the exposure limits are unkrygiene: Wash hands/nails/face thoroughly after h to after using this material. Remove and wash controls of this product. Follow all label instructions. Section 9. Physical state/colour Liquid odor Mot available gibole Not available | ails /face/eyes thoroughly after handling. Do not eat, drink or smoke when using out of the workplace. Avoid release to the environment. Wear gloves/protective en not in use. Do not handle or store near open flames, heat or other sources o Inspect all incoming containers to make sure they are properly labelled and no ruction and accessible only to trained personnel. Inspect periodically for damage re Controls/Personal Protection values and source of those values) Local exhaust ventilation system is recommended to maintain concentrations o tick-drench shower, eyewash station and washing facilities available in work are wear suitable personal protection equipment which performs satisfactorily and t sleeves, long pants; Respiratory: Not required if working area is well ventilated. nown; Equipment: Safety glasses, chemical resistant. Special instructions for andling. Do not eat, drink or smoke when using this product. Practice good taminated work clothing before re-use. Educate and train employees in the safe ical and Chemical Properties Vapour pressure Not available Relative density Not available Solubility Not soluble Partition coefficient - n-octanol/water Not available Auto-ignition temperature Not available |
| Avoid breathing this product. Co clothing/gloves// Conditions for s Store in a cool, ignition. Store a damaged. Storage or leaks. Storage Control parame Exposure limits: Appropriate en Use product in v contaminants be and near handlin meets recognized Individual prot Gloves: Neoprer Use a NIOSH ap protection and h personal hygiend use and handling Appearance, ph Odour Faint c Odour threshol pH Not avai Melting/freezin | safe handling dust/fume/gas/mist/vapors/spray. Wash hands/mintaminated work clothing should not be allowed eye protection/face protection. safe storage, including any incompatibilities well-ventilated area. Keep container closed whee way from incompatible materials (Section 10). It is are a should be clearly identified, clear of obstrict temperature: 16 - 27 °C. Section 8. Exposure temperature: 16 - 27 °C. Section 8. Exposure area should be clearly identified, clear of obstrictemperature: 16 - 27 °C. Section 8. Exposure ACGIH – TLV-TWA Not available gineering controls well-ventilated areas. Do not spray the product. low exposure limits. Supply emergency safety/que ng area. Where such systems are not effective, d standards. ection measures/personal protective equipmen n gloves or equivalent; Clothing: Shirts with long poroved respirators if the exposure limits are unkry giene: Wash hands/nails/face thoroughly after h e after using this material. Remove and wash controls of this product. Follow all label instructions. Section 9. Physi tiquid odor Action 0. Not available gippoint Not available <td< td=""><td>ails /face/eyes thoroughly after handling. Do not eat, drink or smoke when using out of the workplace. Avoid release to the environment. Wear gloves/protective en not in use. Do not handle or store near open flames, heat or other sources o Inspect all incoming containers to make sure they are properly labelled and no ruction and accessible only to trained personnel. Inspect periodically for damage re Controls/Personal Protection values and source of those values) Local exhaust ventilation system is recommended to maintain concentrations o tick-drench shower, eyewash station and washing facilities available in work area wear suitable personal protection equipment which performs satisfactorily and t sleeves, long pants; Respiratory: Not required if working area is well ventilated. nown; Equipment: Safety glasses, chemical resistant. Special instructions for andling. Do not eat, drink or smoke when using this product. Practice good taminated work clothing before re-use. Educate and train employees in the safe ical and Chemical Properties Vapour pressure Not available Relative density Not available Solubility Not soluble Partition coefficient - n-octanol/water Not available Auto-ignition temperature Not available</td></td<> | ails /face/eyes thoroughly after handling. Do not eat, drink or smoke when using out of the workplace. Avoid release to the environment. Wear gloves/protective en not in use. Do not handle or store near open flames, heat or other sources o Inspect all incoming containers to make sure they are properly labelled and no ruction and accessible only to trained personnel. Inspect periodically for damage re Controls/Personal Protection values and source of those values) Local exhaust ventilation system is recommended to maintain concentrations o tick-drench shower, eyewash station and washing facilities available in work area wear suitable personal protection equipment which performs satisfactorily and t sleeves, long pants; Respiratory: Not required if working area is well ventilated. nown; Equipment: Safety glasses, chemical resistant. Special instructions for andling. Do not eat, drink or smoke when using this product. Practice good taminated work clothing before re-use. Educate and train employees in the safe ical and Chemical Properties Vapour pressure Not available Relative density Not available Solubility Not soluble Partition coefficient - n-octanol/water Not available Auto-ignition temperature Not available |



| Upper and lower fla | flammability/explosive limits Not available Other None known | | |
|------------------------|---|--------|--|
| | | | |
| | Section 10. Stability and Reactivity | | |
| Reactivity | | | |
| Stable under normal | | | |
| Chemical stability | | | |
| Possibility of hazar | ne recommended storage and handling conditions prescribed. | | |
| | conditions of storage and use. | | |
| | d (static discharge, shock or vibration) | | |
| Excess heat. | (state discharge, snock of vibration) | | |
| Incompatible mater | erials | | |
| Acids, bases, amines | | | |
| Hazardous decomp | | | |
| Chloro hydrogen, ca | | | |
| , , | Section 11. Toxicological Information | | |
| Information on the | e likely routes of exposure (inhalation, ingestion, skin and eye contact) | | |
| | red. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. | | |
| | to the physical, chemical and toxicological characteristics | | |
| Skin irritation with l | local redness. | | |
| | ediate effects (chronic effects from short-term and long-term exposure) | | |
| | - May cause allergic skin reaction. Skin disorders and Allergies. Respiratory Sensitization – No data available; | | |
| | nicity - Animal genetic toxicity studies were negative; Carcinogenicity - , the most recent review of the available data b | | |
| | cy for Research on Cancer (IARC) has concluded that DGEBPA is not classified as a carcinogen; Reproductive Toxicity | r – In | |
| | not interfere with reproduction; | | |
| | gan Toxicity — Single Exposure – Evaluation of available data suggests that this material is not an STOT-SE toxicant; Spe | | |
| | city — Repeated Exposure – Except for skin sensitization, repeated exposures to low molecular weight epoxy resins of | t this | |
| | ated to cause any significant adverse effects; – Based on physical properties, not likely to be an aspiration hazard; Health Hazards Not Otherwise Classified – No | data | |
| available. | - Based on physical properties, not likely to be an aspiration nazard, meanin nazards Not Otherwise Classified - No | uata | |
| | res of toxicity (ATE; LD ₅₀ & LC ₅₀) | | |
| | D ₅₀ Oral - Rat - > 15,000 mg/kg; LD ₅₀ Dermal – Rabbit – 23,000 mg/kg; LC ₅₀ Inhalation – has not been determined; | | |
| | D_{50} Oral - Rat 1134 mg/kg; LD_{50} Dermal – Rabbit – 1130 mg/kg; LC_{50} Inhalation – Not available; | | |
| ATE not available in | | | |
| | Section 12. Ecological Information | | |
| | tic and terrestrial information) | | |
| Toxicity to fish CA | AS: 25068-38-6 LC ₅₀ : 1 - 10 mg/l (in the most sensitive species tested)/ LC ₅₀ 2 mg/l (Oncorhynchus mykiss (rainbow tr | rout), | |
| | Hour ; CAS: 2425-79-8 LC ₅₀ : 24 mg/l (Danjo rerio) 96 Hour | | |
| | tic Invertebrates: CAS: 25068-38-6 EC ₅₀ : 1.8 mg/l (Water flea (Daphnia magna) 48h) ; CAS: 2425-79-8 EC ₅₀ : 75 | mg/l | |
| (Daphnia magna) 48 | | | |
| | c Plants : CAS: 25068-38-6 EC ₅₀ : 11 mg/l (Fresh water algae (Scenedesmus capricornutum) static test, 72h); | | |
| Persistence and deg | ia CAS: 25068-38-6 IC ₅₀ : >42.6 mg/l, (Respiration rates, 18h). | | |
| Bioaccumulative po | | | |
| bioaccumulative po | CAS: 25000-58-0 Bio-concentration potential is inductate, CAS: 2425-79-8 Bioaccumulation is unlikely low Pow -1.33. | | |
| Mobility in soil | CAS: 25068-38-6 Potential for mobility in soil is low; | | |
| widdling in son | CAS: 2425-79-8 The product is water soluble and may spread in water systems. It will likely be mobile in the environm | ent | |
| | due to its water solubility Highly mobile in soils. | ent | |
| Other adverse effect | | | |
| | Section 13. Disposal considerations | | |
| Information on safe | fe handling for disposal/methods of disposal/contaminated packaging | | |
| | s/container into safe container in accordance with local, regional or national regulations. | | |
| | Section 14. Transport Information | | |
| UN number; Prope | er shipping name; Class(es); Packing group (PG) of the TDG Regulations | | |
| Not regulated. | | | |
| | er shipping name; Class(es); Packing group (PG) of the IMDG (maritime) | | |
| Not regulated. | Not regulated. | | |
| | er shipping name; Class(es); Packing group (PG) of the IATA (air) | | |
| Not regulated. | | | |
| Special precautions | as (transport/conveyance) None | | |



| | al hazards (IMDG or other) None | |
|------------------------------------|--|--|
| Bulk transpor | t (usually more than 450 L in capacity) None | |
| Section 15. Regulatory Information | | |
| Safety/health | Canadian regulations specifics This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR). | |
| Environmenta | al Canadian regulations specifics Refer to Section 3 for ingredient(s) of the DSL | |
| Safety/health/ | environmental outside regulations specifics | |
| United States (| OSHA information: This product is regulated according to OSHA (29 CFR). | |
| | EPA (Environmental Protection Agency) information: 40 CFR Refer to the ingredients listed in Section 3 & Sections 12; 13 & 14. | |
| United States 7 | CSA information: Refer to the ingredients listed in Section 3. | |
| | Section 16. Other Information | |
| Date of the lat | test revision of the safety data sheet February 04, 2018 - version 01 | |
| References | Safety Data Sheets from manufacturer/supplier & from Sigma-Aldrich.com & Echa.eurpea.eu | |
| Abbreviations | | |
| ACGIH | American Conference of Governmental Industrial Hygienists | |
| ATE | Acute toxicity estimate | |
| CAS | Chemical Abstract Service | |
| DSL | Domestic Substance List | |
| IARC | International Agency for Research on Cancer | |
| IATA | International Air Transport Association | |
| IMDG | International Maritime Dangerous Goods Code | |
| LC | Lethal concentration | |
| LD | Lethal Dosage | |
| NIOSH | National Institute for Occupational Safety and Health | |
| NTP | National Toxicology Program (U.S.A.) | |
| OSHA | Occupational Safety and Health Administration (U.S.A.) | |
| PEL | Permissible Exposure Limit | |
| STEL | Short-term Exposure Limit | |
| TDG | Transport of dangerous goods in Canada | |
| TLV | Threshold Limit Value | |
| TSCA | Toxic Substances Control Act | |
| TWA | Time Weighted Average | |
| WHMIS | Workplace Hazardous Materials Information System | |
| or information pr | absurface expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose, with respect to the product rovided herein, and shall under no circumstances be liable for incidental or consequential damages. Users are responsible to verify whether the | |
| • | le for their particular purposes and they assume all risks of their use, handling, and disposal of the product. In order to meet our strict requirements, | |
| we are continuor | usly testing our coatings and on occasion, formulations may be modified to improve certain properties within each coating. Information and data | |

we are continuously testing our coatings and on occasion, formulations may be modified to improve certain properties within each coating. Information and data included in this reference document may not be up to date as of the date of reference.



SAFETY DATA SHEET (SDS)

| Section | 1 | Identification |
|---------|---|----------------|
| 5CUIUII | | поснити апон |

| Product identifier LOGGIN ART RESIN Part B Other means of identification CRUV11B Recommended use and restrictions on use Casting and Countertops Initial supplier identifier LabSurface. 101-1079, rue des Forges, Terrebonne, QC, J6Y 0J9 (Canada) Tél. (450) 966-9000 Emergency telephone number/restriction on use Canada – CANUTEC Number 24 hours 613-996-6666 Section 2. Hazard Identification Classification of hazardous product (name of the category or subcategory of the hazard class) Acute toxicity, oral and dermal toxicity (Category 4) Skin corrosion/irritation (Category 1C) Skin sensitization (Category 1) Specific target organ toxicity, single exposure; respiratory tract irritation (Category 3) Hazardous to the aquatic environment, acute hazard (Category 2) |
|---|
| Recommended use and restrictions on use Casting and Countertops Initial supplier identifier LabSurface. 101-1079, rue des Forges, Terrebonne, QC, J6Y 0J9 (Canada) Tél. (450) 966-9000 Emergency telephone number/restriction on use Canada – CANUTEC Number 24 hours 613-996-6666 Section 2. Hazard Identification Classification of hazardous product (name of the category or subcategory of the hazard class) Acute toxicity, oral and dermal toxicity (Category 4) Skin corrosion/irritation (Category 1C) Skin sensitization (Category 1) Specific target organ toxicity, single exposure; respiratory tract irritation (Category 3) Hazard out irritation (Category 3) |
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| Skin sensitization (Category 1) Specific target organ toxicity, single exposure; respiratory tract irritation (Category 3) Hazardous to the aquatic environment, acute hazard (Category 3) |
| Specific target organ toxicity, single exposure; respiratory tract irritation (Category 3) Hazardous to the aquatic environment, acute hazard (Category 3) |
| Hazardous to the aquatic environment, acute hazard (Category 3) |
| |
| Hazardous to the aquatic environment, long-term-hazard (Category 2) |
| |
| Information elements (symbols, signal words, hazard statements and precautionary statements of the category/subcategory) |
| Warning |
| H302 + H312 Harmful if swallowed, in contact with skin. |
| H314 Causes severe skin burns and eye damage. |
| H317 May cause an allergic skin reaction. |
| H335 May cause respiratory irritation |

H402 Harmful to aquatic life

H411 Harmful to aquatic life with long lasting effects.

Prevention

P260 + P261 Do not/avoid breath dust/fume/gas/mist/vapours/spry. P264 Wash hands/nails/face/eves thoroughly after handling. P270 Do not eat, drink or smoke when using this product 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 gloves/protective clothing/gloves/eye protection/face protection.

Response

IF SWALLOWED: P301 + P312 Call a Poison Center/doctor if you feel unwell. P330 Rinse mouth. P331 Do NOT induce vomiting. IF ON SKIN: P302 + P352 Wash with plenty of water. P312 Call a POISON CENTER/doctor if you feel unwell. P303+P361+P353 If on skin (or hair): take off immediately all contaminated clothing. Rinse skin with water (or shower). P333 + P313 If skin irritation or rash occurs: Get medical advice/attention. P362 + P364 Take off contaminated clothing and wash it before reuse.

IF INHALED: P304 + P340 Remove person to fresh air and keep comfortable for breathing. P310 Immediately call a POISON CENTER IF IN EYES: P305 + P351 + P338 Rinse cautiously with water. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER.

ENVIRONMENT: P391 Collect spillage

Storage

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

| Other hazards | | | |
|---|---|--|----------------------------|
| Section 3. Composition/Information on Ingredients | | | |
| Chemical nam | e (common name/synonyms) | CAS number or other | Concentration (%)* |
| Polyetheramine | | 9046-10-0 | 10 - 30 % |
| Isophorone Dia | mine | 2855-13-2 | 15 - 40 % |
| Benzyl alcohol | | 100-51-6 | 10 - 20 % |
| Polymère en Bisphénol A / Epichlorohydrine 25068-38-6 10 – 25 % | | 10-25 % | |
| Dimethyldicyan 6864-37-5 10-30 | | 10-30 % | |
| *Statement - T | his safety data sheet provides concentration range(s) instead o | f the actual concentration(s) considered | ed trade secret(s). |
| | Section 4. First-Ai | | |
| Inhalation | IF INHALED: If overexposure remove person to fresh air | and keep comfortable for breathing. | If symptoms persist, seek |
| | medical attention. | | · |
| Ingestion | IF SWALLOWED: Immediately call a doctor. Prevent a | spiration of vomit. Never give anythi | ing by mouth to an unconsc |



| | person. Rinse mouth thoroughly with water. | | |
|---|---|---|--|
| Skin contact | | wash immediately with soap and water (20 - 30 minutes). If skin irritation | |
| | occurs: Get medical attention. Wash contaminated clothing before reuse. Discard items which cannot be decontaminated | | |
| | including leather articles such as shoes, belts and | l watchbands. If symptoms persist, seek medical attention. | |
| Eye contact | | veral minutes (20 - 30 minutes). Remove contact lenses, if present and easy to | |
| | do. Continue rinsing. If eye irritation persists: G | | |
| Most importan | | Harmful if swallowed and in contact with skin. Causes severe skin burns and | |
| | | ye damage. May cause an allergic skin reaction. May cause respiratory | |
| | | rritation. | |
| Indication of in | | n all cases, call a doctor. Do not forget this document. | |
| Creatifie harman | | re-Fighting Measures | |
| | Is of the hazardous product (hazardous combusti xides of carbon and nitrogen. | on products) | |
| | isuitable extinguishing media | | |
| | | maintaint from | |
| | Jse Carbon dioxide (CO ₂), dry chemical and alcoho | resistant loam. | |
| | ive equipment and precautions for fire-fighters | fire area without proper protection. Firefighters should wear proper protective | |
| equipment as rec | | fire area without proper protection. Firefighters should wear proper protective | |
| equipment as ree | | dental Release Measures | |
| Personal preca | utions, protective equipment and emergency pro | | |
| | | cess. Control source of the leak. Ensure clean-up is conducted by trained | |
| | | ppropriate protective equipment (See Section 8). Prevent the spill spread into | |
| | | (no smoking, flares, sparks or flames in immediate area). Pay attention to | |
| flashback. Take | precautionary measures against static discharges. A | Il equipment used when handling the product must be grounded. Do not touch | |
| | spilled material. | | |
| | naterials for containment and cleaning up | | |
| | | spill should be contained with inert material and disposed into suitable retaining | |
| | | f liquid may be contained or absorbed into an appropriate absorbent. Keep away | |
| | | Take precautionary measures against static discharges. Dispose of in accordance | |
| with local, provi | ncial and federal regulations. | | |
| | Section 7. F | Iandling and Storage | |
| Dave a sard's same for | f. h dlin . | <u> </u> | |
| Precautions for | | | |
| Do not/avoid br | reath dust/fume/gas/mist/vapours/spry. Wash hands | /nails/face/eyes thoroughly after handling. Do not eat, drink or smoke when | |
| Do not/avoid buusing this produ | reath dust/fume/gas/mist/vapours/spry. Wash hands ct. Use only outdoors or in a well ventilated area. C | /nails/face/eyes thoroughly after handling. Do not eat, drink or smoke when ontaminated work clothing should not be allowed out of the workplace. Avoid | |
| Do not/avoid be using this produ release to the en | reath dust/fume/gas/mist/vapours/spry. Wash hands ct. Use only outdoors or in a well ventilated area. C vironment. Wear gloves/protective clothing/gloves/ | /nails/face/eyes thoroughly after handling. Do not eat, drink or smoke when ontaminated work clothing should not be allowed out of the workplace. Avoid | |
| Do not/avoid be using this produ release to the en Conditions for | reath dust/fume/gas/mist/vapours/spry. Wash hands ct. Use only outdoors or in a well ventilated area. C vironment. Wear gloves/protective clothing/gloves/ safe storage, including any incompatibilities | c/nails/face/eyes thoroughly after handling. Do not eat, drink or smoke when contaminated work clothing should not be allowed out of the workplace. Avoid eye protection/face protection. | |
| Do not/avoid buusing this produce release to the en Conditions for Store in a cool, | reath dust/fume/gas/mist/vapours/spry. Wash hands ct. Use only outdoors or in a well ventilated area. C vironment. Wear gloves/protective clothing/gloves/ safe storage, including any incompatibilities well-ventilated area. Keep container closed when | Anails/face/eyes thoroughly after handling. Do not eat, drink or smoke when contaminated work clothing should not be allowed out of the workplace. Avoid eye protection/face protection. | |
| Do not/avoid bu using this produ release to the en Conditions for Store in a cool, ignition. Store a | reath dust/fume/gas/mist/vapours/spry. Wash hands ct. Use only outdoors or in a well ventilated area. C vironment. Wear gloves/protective clothing/gloves/ safe storage, including any incompatibilities well-ventilated area. Keep container closed when away from incompatible materials (Section 10). Ins | c/nails/face/eyes thoroughly after handling. Do not eat, drink or smoke when contaminated work clothing should not be allowed out of the workplace. Avoid eye protection/face protection. | |
| Do not/avoid bu using this produ- release to the en Conditions for Store in a cool, ignition. Store a damaged. Store | reath dust/fume/gas/mist/vapours/spry. Wash hands ct. Use only outdoors or in a well ventilated area. C vironment. Wear gloves/protective clothing/gloves/ safe storage, including any incompatibilities well-ventilated area. Keep container closed when way from incompatible materials (Section 10). In- ge area should be clearly identified, clear of obstru- e temperature: 16 - 27 °C. | Anails/face/eyes thoroughly after handling. Do not eat, drink or smoke when contaminated work clothing should not be allowed out of the workplace. Avoid eye protection/face protection. | |
| Do not/avoid bu using this produ release to the en Conditions for Store in a cool, ignition. Store a damaged. Storag or leaks. Storag | reath dust/fume/gas/mist/vapours/spry. Wash hands ct. Use only outdoors or in a well ventilated area. C vironment. Wear gloves/protective clothing/gloves/ safe storage, including any incompatibilities well-ventilated area. Keep container closed when way from incompatible materials (Section 10). In- ge area should be clearly identified, clear of obstrue temperature: 16 - 27 °C. Section 8. Exposure | Anails/face/eyes thoroughly after handling. Do not eat, drink or smoke when contaminated work clothing should not be allowed out of the workplace. Avoid eye protection/face protection. not in use. Do not handle or store near open flames, heat or other sources of spect all incoming containers to make sure they are properly labelled and not ction and accessible only to trained personnel. Inspect periodically for damage Controls/Personal Protection | |
| Do not/avoid bu using this produ release to the en Conditions for Store in a cool, ignition. Store a damaged. Storag or leaks. Storage Control param | reath dust/fume/gas/mist/vapours/spry. Wash hands ct. Use only outdoors or in a well ventilated area. C vironment. Wear gloves/protective clothing/gloves/ safe storage, including any incompatibilities well-ventilated area. Keep container closed when way from incompatible materials (Section 10). In ge area should be clearly identified, clear of obstrue temperature: 16 - 27 °C. Section 8. Exposure eters (biological limit values or exposure limit va | Anails/face/eyes thoroughly after handling. Do not eat, drink or smoke when contaminated work clothing should not be allowed out of the workplace. Avoid eye protection/face protection. not in use. Do not handle or store near open flames, heat or other sources of spect all incoming containers to make sure they are properly labelled and not ction and accessible only to trained personnel. Inspect periodically for damage Controls/Personal Protection | |
| Do not/avoid bu using this produ release to the en Conditions for Store in a cool, ignition. Store a damaged. Storag or leaks. Storage Control param Exposure limits | reath dust/fume/gas/mist/vapours/spry. Wash hands ct. Use only outdoors or in a well ventilated area. C vironment. Wear gloves/protective clothing/gloves/ safe storage, including any incompatibilities well-ventilated area. Keep container closed when way from incompatible materials (Section 10). In ge area should be clearly identified, clear of obstrue temperature: 16 - 27 °C. Section 8. Exposure eters (biological limit values or exposure limit va a ACGIH – TLV-TWA Not available. | Anails/face/eyes thoroughly after handling. Do not eat, drink or smoke when contaminated work clothing should not be allowed out of the workplace. Avoid eye protection/face protection. not in use. Do not handle or store near open flames, heat or other sources of spect all incoming containers to make sure they are properly labelled and not ction and accessible only to trained personnel. Inspect periodically for damage Controls/Personal Protection | |
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| T. 11.1.1 | |
|---|---|
| Initial boiling point/range Not available | Auto-ignition temperature Not available |
| Flash point > 100 °C | Decomposition temperature Not available Viscosity Not available |
| Evaporation rate Not available Flammability (solids and gases) Not available | VOC Not available |
| Upper and lower flammability/explosive limits Not available | Other None known |
| Section 10. Stability | |
| Reactivity | |
| Stable under normal conditions. | |
| Chemical stability | |
| Yes, Stable under the recommended storage and handling conditions prescribe | d |
| Possibility of hazardous reactions | u. |
| Non under normal conditions of storage and use. | |
| Conditions to avoid (static discharge, shock or vibration) | |
| Excess heat. | |
| Incompatible materials | |
| Avoid contact with oxidizing materials, acids, acrylates, metals, nitrites, keto | ones, hydrocarbons, aldehydes, alcohol. |
| Hazardous decomposition products | |
| Ammonia, amines, aromatic compounds, hydrocarbons, phenolics. | |
| Section 11. Toxicolog | ical Information |
| Information on the likely routes of exposure (inhalation, ingestion, skin | |
| Harmful if swallowed and in contact with skin. Causes severe skin burns | |
| respiratory irritation. | and eye canage, may cause an anergie skin reaction. May cause |
| Symptoms related to the physical, chemical and toxicological characteric | stics |
| Corrosive, may cause skin burns. | |
| Delayed and immediate effects (chronic effects from short-term and long | g-term exposure) |
| Skin Sensitization - May cause allergic skin reaction. May cause skin | |
| available; | |
| Germ Cell Mutagenicity - Not available; Carcinogenicity - No ingredient lis | sted in IARC; Reproductive Toxicity – Not available; |
| Specific Target Organ Toxicity - Single Exposure - No information for | |
| information found; | |
| Aspiration Hazard - No information found; Health Hazards Not Otherwise | Classified – No data available. |
| Numerical measures of toxicity (ATE; LD50 & LC50) | |
| CAS 9046-10-0 LD ₅₀ Oral - Rat 242 mg/kg; LD ₅₀ Dermal Not available; LO | |
| CAS 2855-13-2 LD ₅₀ Oral - Rat 1030 mg/kg; LD ₅₀ Dermal Not available; L | |
| CAS 100-51-6 LD ₅₀ Oral - Rat 1230 mg/kg; LD ₅₀ Dermal Not available; LC | C ₅₀ Inhalation Not available; |
| ATE not available in this document. | |
| Section 12. Ecologic | al Information |
| Ecotoxicity (aquatic and terrestrial information) | |
| Fish toxicity CAS:9046-10-0: LC50: 772.14 mg/L (Fish, 96h); | |
| Toxicity to Aquatic Invertebrates: CAS:2855-13-2 - EC ₅₀ : 17.4 mg/l (W | ater flea 48h); CAS: 100-51-6 EC50: 55 mg/l (Water flea 24h); CAS: |
| 9046-10-0 EC ₅₀ : 80 mg/l (Daphnia ap. Acute) 48h) | 1. |
| Persistence and degradability CAS: 2855-13-2 No information foun CAS:9046-10-0 Not biodegradable | d; |
| | |
| Bioaccumulative potential No information found Mobility in soil No data available | |
| Other adverse effects Harmful to aquatic life. Harmful to aquatic life was a static life. | ith long losting affects |
| Other adverse effects frammul to aquatic me. mannul to aquatic me w | iui iolig lasting effects |
| Section 13. Disposal | Considerations |
| Information on safe handling for disposal/methods of disposal/contamin | |
| Dispose of contents/container into safe container in accordance with local, re- | |
| Section 14. Transpo | |
| UN number; Proper shipping name; Class(es); Packing group (PG) of th | |
| UN 2735; NAME: Amines liquids, corrosives, N.O.S. (Poly(propylène glyco | |
| CLASS: 8; PACKING GROUP: III | 1) on 2 animopropyremer, isophorone diamine, mALAND |
| UN number; Proper shipping name; Class(es); Packing group (PG) of th | ne IMDG (maritime) |
| UN 2735; NAME: Amines liquids, corrosives, N.O.S. (Poly(propylène glyco | |
| CLASS: 8; PACKING GROUP: III s. | , on (_ and optop from one for the damage, in the date |
| UN number; Proper shipping name; Class(es); Packing group (PG) of th | ne IATA (air) |
| UN 2735; NAME: Amines liquids, corrosives, N.O.S. (Poly(propylène glyco | |
| CLASS: 8; PACKING GROUP: III | , (|
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| Special precaut | tions (transport/conveyance) May also be shipped as a LIMITED QUANTITY in accordance with TDG. | |
|--|---|--|
| | hazards (IMDG or other) Marine pollutant | |
| Bulk transport (usually more than 450 L in capacity) Possible | | |
| | | |
| | Section 15. Regulatory Information | |
| Safety/health C | Canadian regulations specifics This product has been classified in accordance with the hazard criteria of the Hazardous Products | |
| - | Regulations (HPR). | |
| Environmental | Canadian regulations specifics Refer to Section 3 for ingredient(s) of the DSL | |
| | nvironmental outside regulations specifics | |
| United States Of | SHA information: This product is regulated according to OSHA (29 CFR). | |
| United States EI | PA (Environmental Protection Agency) information: 40 CFR Refer to the ingredients listed in Section 3 & Sections 12; 13 & 14. | |
| United States TO | CSA information: Refer to the ingredients listed in Section 3. | |
| | Section 16. Other Information | |
| Date of the late | st revision of the safety data sheet November 27, 2018 - version 02 | |
| References | Safety Data Sheets from manufacturer/supplier & from Sigma-Aldrich.com & Echa.eurpea.eu | |
| Abbreviations | | |
| ACGIH | American Conference of Governmental Industrial Hygienists | |
| ATE | Acute toxicity estimate | |
| CAS | Chemical Abstract Service | |
| DSL | Domestic Substance List | |
| IARC | International Agency for Research on Cancer | |
| IATA | International Air Transport Association | |
| IMDG | International Maritime Dangerous Goods Code | |
| LC | Lethal concentration | |
| LD | Lethal Dosage | |
| NIOSH | National Institute for Occupational Safety and Health | |
| NTP | National Toxicology Program (U.S.A.) | |
| OSHA | Occupational Safety and Health Administration (U.S.A.) | |
| PEL | Permissible Exposure Limit | |
| STEL | Short-term Exposure Limit | |
| TDG | Transport of dangerous goods in Canada | |
| TLV | Threshold Limit Value | |
| TSCA | Toxic Substances Control Act | |
| TWA | Time Weighted Average | |
| WHMIS | Workplace Hazardous Materials Information System | |
| or information pro product is suitable we are continuous | absurface expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose, with respect to the product ovided herein, and shall under no circumstances be liable for incidental or consequential damages. Users are responsible to verify whether the to r their particular purposes and they assume all risks of their use, handling, and disposal of the product. In order to meet our strict requirements, sly testing our coatings and on occasion, formulations may be modified to improve certain properties within each coating. Information and data | |

included in this reference document may not be up to date as of the date of reference.