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Pliogrip™ 1908 BLM EXP ADHESIVE ™ Trademark, Bostik or its subsidiaries, registered in various countries 974097	Version: 0.0

29 CFR 1910.1200 (OSHA HazCom 2012)

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Trade name : Pliogrip™ 1908 BLM EXP
ADHESIVE
™ Trademark, Bostik or its subsidiaries, registered in various countries

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

Recommended use : Adhesives

Details of the supplier of the safety data sheet Bostik, Inc. 11320 W Watertown Plank Road Wauwatosa, WI 53226 United States of America (USA) +1(800)843-0844; +1(414)774-2250 EHSproductsafety.US@bostik.com	Emergency telephone number Chemtrec 1-800-424-9300, outside US 1-703-527-3887 Regulatory information Rocky Mountain Poison center: 1-866-767-5089
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SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Skin corrosion : Category 1C
Serious eye damage : Category 1
Skin sensitization : Category 1
Reproductive toxicity : Category 2

GHS label elements

Hazard pictograms :



Signal Word : Danger

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Hazard Statements : Causes severe skin burns and eye damage.
May cause an allergic skin reaction.
Suspected of damaging fertility or the unborn child.

Precautionary Statements : **Prevention:**
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Avoid breathing mist or vapors.
Wash skin thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.
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.
IF exposed or concerned: Get medical advice/ attention.
If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.

Storage:
Store locked up.

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

Other hazards
None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

Chemical name	CAS-No.	Classification	Concentration (%)
TALC	14807-96-6	Not a hazardous substance or mixture.	>= 20.00 - < 30.00
LUBRICANT	254504001-5049	Acute Tox. 4; H302	>= 5.00 - < 10.00

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amine functionalized amine	254504001-6330	Skin Corr. 1C; H314 Eye Dam. 1; H318	>= 5.00 - < 10.00
GLYCOL	200865835-5038	Acute Tox. 4; H302 STOT SE 3; H336	>= 1.50 - < 5.00
PIPERAZINE	110-85-0	Flam. Sol. 1; H228 Comb Dust Skin Corr. 1B; H314 Eye Dam. 1; H318 Resp. Sens. 1B; H334 Skin Sens. 1B; H317 Repr. 2; H361	>= 0.10 - < 0.50
organotin compound	200865835-5002	Acute Tox. 4; H302 Skin Irrit. 2; H315 Skin Sens. 1; H317 Repr. 2; H361 STOT RE 1; H372	>= 0.10 - < 0.50

The identity and concentration of one or more component(s) is being withheld under business confidentiality.

SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.
 Consult a physician.
 Show this safety data sheet to the doctor in attendance.
 Do not leave the victim unattended.

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If inhaled	: If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
In case of skin contact	: Immediately flush skin with water for at least 15 minutes while removing contaminated clothing and shoes. Seek immediate medical attention. Wash clothing before reuse and decontaminate or discard contaminated shoes. Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty. If on skin, rinse well with water. If on clothes, remove clothes.
In case of eye contact	: If material gets into the eyes, immediately flush eyes gently with water for at least 15 minutes while holding eyelids apart. If symptoms develop as a result of vapor exposure, immediately move individual away from exposure and into fresh air before flushing as recommended above. Seek immediate medical attention. Small amounts splashed into eyes can cause irreversible tissue damage and blindness. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Continue rinsing eyes during transport to hospital. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If swallowed	: Seek immediate medical attention. Do not induce vomiting. Vomiting will cause further damage to the mouth and throat. If individual is conscious and alert, immediately rinse mouth with water and give milk or water to drink. If possible, do not leave individual unattended. Keep respiratory tract clear. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.
Most important symptoms and effects, both acute and delayed	: May cause an allergic skin reaction. Causes serious eye damage. Suspected of damaging fertility or the unborn child. Causes severe burns. Gastrointestinal discomfort

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Severe allergic skin reactions, bronchospasm and anaphylactic shock
 Symptoms may be delayed.
 Extremely corrosive and destructive to tissue.
 Rash
 Swollen corrosion of the mucous membranes
 Blurred vision
 Nausea
 Itching
 Dermatitis
 Local irritation

Notes to physician : Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

- | | |
|---|---|
| Suitable extinguishing media | : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Unsuitable extinguishing media | : High volume water jet |
| Specific hazards during firefighting | : Do not allow run-off from fire fighting to enter drains or water courses. |
| Hazardous combustion products | : Carbon dioxide (CO ₂)
Carbon monoxide
Hydrocarbons |
| Specific extinguishing methods | :

Standard procedure for chemical fires. |
| Further information | : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. |
| Special protective equipment for firefighters | : Wear self-contained breathing apparatus for firefighting if necessary. |

SECTION 6. ACCIDENTAL RELEASE MEASURES

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Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.

Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Advice on safe handling : Do not breathe vapours/dust.
Avoid exposure - obtain special instructions before use.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
To avoid spills during handling keep bottle on a metal tray.
Dispose of rinse water in accordance with local and national regulations.
Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Observe label precautions.
Electrical installations / working materials must comply with the technological safety standards.

Further information on storage stability : No decomposition if stored and applied as directed.

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
TALC	14807-96-6	TWA	20 Million particles per cubic foot Dust	OSHA Z-3
		TWA	2 mg/m ³ respirable dust fraction	OSHA P0
		TWA	2 mg/m ³ Respirable	NIOSH REL
		PEL	2 mg/m ³ Respirable dust	CAL PEL
		TWA	2 mg/m ³ Respirable particulate matter	ACGIH

The identity and concentration of one or more component(s) is being withheld under business confidentiality.

CARBON BLACK	1333-86-4	TWA	3 mg/m ³ Inhalable particulate matter	ACGIH
		TWA	3.5 mg/m ³	NIOSH REL
		TWA	3.5 mg/m ³	OSHA Z-1
		TWA	3.5 mg/m ³	OSHA P0
		PEL	3.5 mg/m ³	CAL PEL
		TWA	0.1 mg/m ³ (PAHs)	NIOSH REL

Hazardous components without workplace control parameters

Components	CAS-No.
LUBRICANT	254504001-5049
amine functionalized amine	254504001-6330
GLYCOL	200865835-5038
PIPERAZINE	110-85-0
organotin compound	200865835-5002

Personal protective equipment

Respiratory protection : In the case of vapour formation use a respirator with an

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approved filter within the capabilities of the respirator/filter combination.
Where concentrations are above recommended limits or are unknown, or a cartridge type respirator is not adequate, wear a positive-pressure supplied-air respirator.

Hand protection	
Material	: butyl-rubber
Break through time	: 480 min
Glove thickness	: > 0.5 mm
Remarks	
: The exact break through time can be obtained from the protective glove producer and this has to be observed. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.	
Eye protection	
: Eye wash bottle with pure water	
: Tightly fitting safety goggles	
: Wear face-shield and protective suit for abnormal processing problems.	
Skin and body protection	
: Impervious clothing	
: Choose body protection according to the amount and concentration of the dangerous substance at the work place.	
Hygiene measures	
: When using do not eat or drink.	
: When using do not smoke.	
: Wash hands before breaks and at the end of workday.	

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Physical state	: liquid
Colour	: black
Odour	: amine-like
Odour Threshold	: No data available
pH	: > 8
Melting point/freezing point	
: not determined	

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Boiling point/boiling range	: not determined
Flash point	: > 93.4 °C
Evaporation rate	: not determined
Upper explosion limit	: Upper explosion limit not determined
Lower explosion limit	: Lower explosion limit not determined
Vapour pressure	: not determined
Relative vapour density	: not determined
Relative density	: 1.2 (23 °C)
Density	: not determined
Solubility(ies)	
Water solubility	: not determined
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: not determined
Thermal decomposition	: No data available
Viscosity	
Viscosity, dynamic	: not determined
Viscosity, kinematic	: not determined
Oxidizing properties	: Not applicable

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Keep away from oxidizing agents, and acidic or alkaline products.
Conditions to avoid	: Protect from frost, heat and sunlight.

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Incompatible materials : Oxidizing agents

Hazardous decomposition products

Carbon dioxide (CO₂)
Carbon monoxide
Hydrocarbons
Acetone

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified based on available information.

Components:

TALC:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg
Method: OECD Test Guideline 423

LUBRICANT:

Acute oral toxicity : LD50 (Rat): > 300 - 2,000 mg/kg

Acute dermal toxicity : LD50 (Rabbit): 21,000 mg/kg
Remarks: This data record is no longer present in the Ariel database

amine functionalized amine:

Acute oral toxicity : LD50 (Rat): 2,885 mg/kg
Method: OECD Test Guideline 401

Acute dermal toxicity : LD50 (Rabbit): 2,979 mg/kg
Method: OECD Test Guideline 402

GLYCOL:

Acute oral toxicity : LD50 (Rat): 1,500 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 5.1 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Target Organs: Nervous system
Symptoms: Drowsiness

LC50 (Rat): > 15 mg/l

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Exposure time: 4 h
 Test atmosphere: dust/mist
 Target Organs: Nervous system
 Symptoms: Loss of balance

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg
 Assessment: No adverse effect has been observed in acute dermal toxicity tests.

PIPERAZINE:

Acute oral toxicity : LD50 (Rat): ca. 2,600 mg/kg
 Method: OECD Test Guideline 401

Acute inhalation toxicity : LC0 (Rat, male and female): 1.61 mg/l
 Exposure time: 8 h
 Test atmosphere: vapour

organotin compound:

Acute oral toxicity : LD50 (Rat): 1,255 mg/kg

Acute dermal toxicity : LD50 (Rat): 2,250 mg/kg

Skin corrosion/irritation

Causes severe burns.

Product:

Remarks: Extremely corrosive and destructive to tissue.

Components:

TALC:

Species: reconstructed human epidermis (RhE)

Result: No skin irritation

LUBRICANT:

Remarks: slight irritation

amine functionalized amine:

Result: Corrosive, category 1C - where responses occur after exposures between 1 hour and 4 hours and observations up to 14 days.

GLYCOL:

Result: No skin irritation

PIPERAZINE:

Result: Corrosive after 3 minutes to 1 hour of exposure

organotin compound:

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Result: Irritating to skin.

Serious eye damage/eye irritation

Causes serious eye damage.

Product:

Remarks: May cause irreversible eye damage.

Components:

TALC:

Species: Rabbit

Result: Slight, transient irritation

Method: OECD Test Guideline 405

LUBRICANT:

Remarks: slight irritation

amine functionalized amine:

Result: Corrosive

GLYCOL:

Result: No eye irritation

PIPERAZINE:

Result: Corrosive

Respiratory or skin sensitisation

Skin sensitisation: May cause an allergic skin reaction.

Respiratory sensitisation: Not classified based on available information.

Components:

TALC:

Test Type: Maximisation Test

Species: Guinea pig

Assessment: Did not cause sensitisation on laboratory animals.

Method: OECD Test Guideline 406

GLYCOL:

Test Type: Maximisation Test

Species: Guinea pig

Assessment: Does not cause skin sensitisation.

Result: Did not cause sensitisation on laboratory animals.

PIPERAZINE:

Assessment: The product is a respiratory sensitiser, sub-category 1B.

Assessment: The product is a skin sensitiser, sub-category 1B.

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organotin compound:
Species: Guinea pig
Assessment: May cause sensitisation by skin contact.
Result: May cause sensitisation by skin contact.

Germ cell mutagenicity
Not classified based on available information.

Components:

TALC:

Genotoxicity in vitro : Test Type: In vitro gene mutation study in bacteria
Test species: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Result: negative

: Test Type: In vitro gene mutation study in bacteria
Test species: Saccharomyces cerevisiae
Metabolic activation: with and without metabolic activation
Result: negative

Genotoxicity in vivo : Test Type: dominant lethal test
Test species: Rat (male)
Cell type: Bone marrow
Result: negative

amine functionalized amine:
Genotoxicity in vitro : Test Type: Ames test
Test species: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative

Genotoxicity in vivo : Test Type: chromosome aberration assay
Test species: Mouse
Cell type: Bone marrow
Method: OECD Test Guideline 474
Result: negative

GLYCOL:

Genotoxicity in vitro : Test Type: Ames test
Result: negative

: Test Type: Chromosome aberration test in vitro
Result: negative

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

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Suspected of damaging fertility or the unborn child.

Components:

PIPERAZINE:

Reproductive toxicity - : Some evidence of adverse effects on sexual function and
 Assessment fertility, and/or on development, based on animal experiments.

organotin compound:

Reproductive toxicity - : Some evidence of adverse effects on sexual function and
 Assessment fertility, and/or on development, based on animal experiments.

STOT - single exposure

Not classified based on available information.

Components:

GLYCOL:

Exposure routes: inhalation (dust/mist/fume)

Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.

STOT - repeated exposure

Not classified based on available information.

Components:

organotin compound:

Target Organs: thymus

Assessment: Causes damage to organs through prolonged or repeated exposure.

Repeated dose toxicity

Components:

GLYCOL:

Species: Rat

NOAEL: 225 mg/kg

Application Route: Ingestion

Exposure time: 90-day

Aspiration toxicity

Not classified based on available information.

Further information

Product:

Remarks: No data available

Carcinogenicity:

IARC

Group 2B: Possibly carcinogenic to humans

CARBON BLACK

1333-86-4

OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

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NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Ecotoxicology Assessment

Short-term (acute) aquatic hazard : Not classified based on available information.

Long-term (chronic) aquatic hazard : Chronic aquatic toxicity Category 3; Harmful to aquatic life with long lasting effects.

Components:

amine functionalized amine:

Toxicity to fish : EC50 (Oncorhynchus mykiss (rainbow trout)): 772 mg/l
Exposure time: 96 h
Test Type: semi-static test
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 80 mg/l
Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202

Toxicity to algae : ErC50 (Pseudokirchneriella subcapitata (microalgae)): 15 mg/l
End point: Growth inhibition
Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201

NOEC (Pseudokirchneriella subcapitata (microalgae)): 0.32 mg/l
End point: Growth inhibition
Exposure time: 72 h
Test Type: static test
Method: Directive 67/548/EEC, Annex V, C.3.

GLYCOL:

Toxicity to fish : LC0 (Pimephales promelas (fathead minnow)): 30,000 mg/l
Exposure time: 96 h
Test Type: static test

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Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna Straus): 813 mg/l
Exposure time: 48 h
Test Type: static test

Toxicity to algae : EC10 (Desmodesmus subspicatus (green algae)): 76 mg/l
Exposure time: 72 h
Test Type: Cell multiplication inhibition test

EC50 (Desmodesmus subspicatus (green algae)): > 500 mg/l
Exposure time: 72 h
Test Type: Cell multiplication inhibition test

PIPERAZINE:
Toxicity to fish : LC50 (Poecilia reticulata (guppy)): > 1,800 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 21 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (green algae)): > 1,000 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 12.5 mg/l
Exposure time: 21 d
Method: OECD Test Guideline 211

organotin compound:
Ecotoxicology Assessment
Short-term (acute) aquatic hazard : Very toxic to aquatic life.

Long-term (chronic) aquatic hazard : Very toxic to aquatic life with long lasting effects.

Persistence and degradability

TALC:

Biodegradability : Result: The methods for determining biodegradability are not applicable to inorganic substances.

amine functionalized amine:

Biodegradability : Result: Not readily biodegradable.
Biodegradation: 0 %
Exposure time: 28 d
Method: OECD Test Guideline 301B

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GLYCOL:

Biodegradability : Biodegradation: 100 %
 Exposure time: 14 d
 Remarks: Readily biodegradable

Photodegradation :

PIPERAZINE:

Biodegradability : Result: Readily biodegradable.
 Biodegradation: 70 %
 Exposure time: 28 d
 Method: OECD Test Guideline 301F

organotin compound:

Biodegradability : Result: Not readily biodegradable.
 Remarks: Information given is based on data obtained from similar substances.

No data available

Bioaccumulative potential

amine functionalized amine:

Partition coefficient: n-octanol/water : log Pow: 1.34
 Method: OECD Test Guideline 117

GLYCOL:

Bioaccumulation : Bioconcentration factor (BCF): 3.16
 Remarks: No bioaccumulation is to be expected (log Pow <= 4).

Partition coefficient: n-octanol/water : log Pow: -0.88 (25 °C)

No data available

Mobility in soil

GLYCOL:

Distribution among environmental compartments : Koc: 8.4

No data available

Other adverse effects

Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Harmful to aquatic life with long lasting effects.

GLYCOL:

Results of PBT and vPvB assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating

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(vPvB).

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

General advice : The product should not be allowed to enter drains, water courses or the soil.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

International transport regulations

REGULATION

ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT / LTD. QTY.

U.S. DOT - ROAD

UN	2735	Amines, liquid, corrosive, n.o.s. (POLYOXYPROPYLENEDIAMINE)	8		III

CFR_RAIL_C

UN	2735	Amines, liquid, corrosive, n.o.s. (POLYOXYPROPYLENEDIAMINE)	8		III

U.S. DOT - INLAND WATERWAYS

UN	2735	Amines, liquid, corrosive, n.o.s. (POLYOXYPROPYLENEDIAMINE)	8		III

TDG_ROAD_C

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UN	2735	AMINES, LIQUID, CORROSIVE, N.O.S. (POLYOXYPROPYLENEDIAMI NE)	8	III
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TDG_RAIL_C

UN	2735	AMINES, LIQUID, CORROSIVE, N.O.S. (POLYOXYPROPYLENEDIAMI NE)	8	III
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TDG_INWT_C

UN	2735	AMINES, LIQUID, CORROSIVE, N.O.S. (POLYOXYPROPYLENEDIAMI NE)	8	III
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INTERNATIONAL MARITIME DANGEROUS GOODS

UN	2735	AMINES, LIQUID, CORROSIVE, N.O.S. (POLYOXYPROPYLENEDIAMI NE)	8	III
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INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

UN	2735	Amines, liquid, corrosive, n.o.s. (POLYOXYPROPYLENEDIAMI NE)	8	III
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INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

UN	2735	Amines, liquid, corrosive, n.o.s. (POLYOXYPROPYLENEDIAMI NE)	8	III
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MX_DG

UN	2735	AMINES, LIQUID, CORROSIVE, N.O.S. (POLYOXYPROPYLENEDIAMI NE)	8	III
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*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID

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Marine pollutant	no
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Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

SECTION 15. REGULATORY INFORMATION

TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
ACRYLONITRILE	107-13-1	100	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
ACRYLONITRILE	107-13-1	100	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 311/312 Hazards

: Skin corrosion or irritation
 Serious eye damage or eye irritation
 Respiratory or skin sensitisation
 Reproductive toxicity

SARA 302

: This material does not contain any components with a section 302 EHS TPQ.

SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations

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Pennsylvania Right To Know

TALC	14807-96-6
LUBRICANT	254504001-5049
amine functionalized amine	254504001-6330

The identity and concentration of one or more component(s) is being withheld under business confidentiality.

polyoxyalkylene polyol	Not Assigned
POLY(ETHYLENE-PROPYLENE) GLYCOL	53637-25-5

New Jersey Right To Know

TALC	14807-96-6
LUBRICANT	254504001-5049
amine functionalized amine	254504001-6330

The identity and concentration of one or more component(s) is being withheld under business confidentiality.

polyoxyalkylene polyol	Not Assigned
POLY(ETHYLENE-PROPYLENE) GLYCOL	53637-25-5

California Prop. 65

WARNING: This product can expose you to chemicals including Talc (powder), Pigment Black 6, Quartz, styrene, acrylonitrile, furan, propylene oxide, acetaldehyde, which is/are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

The components of this product are reported in the following inventories:

TCSI	: On the inventory, or in compliance with the inventory
TSCA	: All substances listed as active on the TSCA inventory
AIIC	: Not in compliance with the inventory
DSL	: All components of this product are on the Canadian DSL

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ENCS : Not in compliance with the inventory
 ISHL : Not in compliance with the inventory
 KECI : On the inventory, or in compliance with the inventory
 PICCS : Not in compliance with the inventory
 IECSC : On the inventory, or in compliance with the inventory
 NZIoC : Not in compliance with the inventory

Inventories

AIIC (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TECI (Thailand), TSCA (USA)

Other regulations

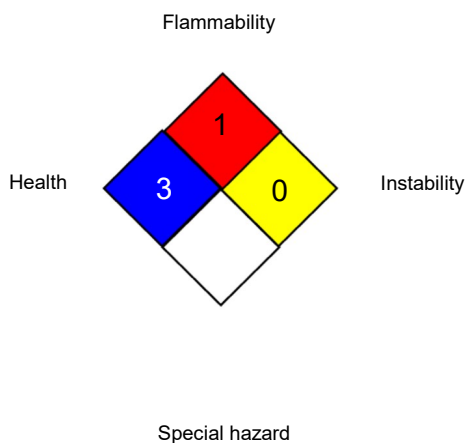
US. Drug Enforcement Administration (DEA) Listed Precursor and Essential Chemicals (21 CFR 1310) : Not applicable

SECTION 16. OTHER INFORMATION

Further information

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NFPA 704:



HMIS® IV:

HEALTH	*	3
FLAMMABILITY		1
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Full text of H-Statements

H228	Flammable solid.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H336	May cause drowsiness or dizziness.
H361	Suspected of damaging fertility or the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.

Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA -

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International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

This sds has been prepared by Bostik. (<http://www.Bostik.com>)

Sources of key data used to compile the Safety Data Sheet : Bostik internal data including own and sponsored test reports
European Union Law with content from the Official Journal of the European Union.
European Chemicals Agency; the EU authority implementing the EU's chemicals legislation for companies.
The German Water Hazard Classes.
ReachCentrum; a series of support services to help comply with REACH regulations.
The European Commission; proposing legislation, administering and implementing EU policies, and enforcing EU law.
The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.
Cefic, the European Chemical Industry Council.
ESIS European Chemical Substances Information System

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a

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guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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