

1. IDENTIFICATION

Product identifier

Product Name AM-0240
 DURAPRO PREMIUM VINYL DECKING ADHESIVE / DURAPRO ADHESIF POUR
 MEMBRANES DE VINYLE PREMIUM

Other means of identification

Product Code(s) YAM0240-D
Alternate Product Code(s) AM0240-378, AM0240-950
UN number or ID number 1133
Product Type Adhesive.

Recommended use of the chemical and restrictions on use

Recommended Use For industrial use only.
Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Address

Dural
 550 Marshall Ave.
 Dorval, QC
 Canada
 H9P 1C9

Company Phone Number

800-361-2340

Emergency telephone number

Emergency Telephone Number Dural 800-361-2340 (Mon - Fri, 7:00 am - 4:30 pm EST/EDT)

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

WHMIS Statement

Classification complies with Canadian Hazardous Products Regulations (WHMIS 2015).

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Skin sensitization	Category 1
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1B
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration hazard	Category 1
Flammable liquids	Category 2

Label elements

Emergency Overview

Signal Word Danger

Hazard Statements

Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. May cause genetic defects. May cause cancer. Suspected of damaging fertility or the unborn child. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways.

Highly flammable liquid and vapor.



Appearance Amber

Physical state Liquid

Odor Hydrocarbon-like

Precautionary Statements

Precautionary Statements - Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Wash face, hands and any exposed skin thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ ventilating / lighting/ equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep cool.

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention. Specific treatment (see Section 4 on this SDS).

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

If skin irritation or rash occurs: Get medical advice/attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. Wash contaminated clothing before reuse.

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

IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting.

In case of fire: Use CO₂, dry chemical, or foam to extinguish.

Precautionary Statements - Storage

Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

Precautionary Statements - Disposal

Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable.

Hazards not otherwise classified (HNOC)

STATIC ACCUMULATING FLAMMABLE LIQUID CAN BECOME ELECTROSTATICALLY CHARGED EVEN IN BONDED AND GROUNDED EQUIPMENT. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Vapors may cause flash fire or explosion.

Other information

Unknown acute toxicity

46.77 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Chemical name	CAS No.	Weight-%	Trade Secret
Acetone	67-64-1	30 - 60	*
Hexane	110-54-3	10 - 30	*
Toluene	108-88-3	10 - 30	*
Neohexane	75-83-2	1 - 5	*
3-Methylpentane	96-14-0	1 - 5	*

2-Methylpentane	107-83-5	1 - 5	*
2,3-Dimethylbutane	79-29-8	1 - 5	*
Cyclohexane	110-82-7	0.1 - 1.0	*
Talc	14807-96-6	0.1 - 1.0	*
Rosin	8050-09-7	0.1 - 1.0	*
Xylenes (o-, m-, p- isomers)	1330-20-7	0.1 - 1.0	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin Contact	Wash off immediately with soap and plenty of water. Take off contaminated clothing and wash before reuse. In the case of skin irritation or allergic reactions see a physician.
Inhalation	Remove to fresh air. If symptoms persist, call a physician.
Ingestion	Call a physician or Poison Control Center immediately. Immediate medical attention is required. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Aspiration hazard if swallowed - can enter lungs and cause damage. Observe risk of aspiration if vomiting occurs. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Aspiration into lungs can produce severe lung damage.
Most Important Symptoms and Effects	Difficulty in breathing. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination. Skin, eye, and respiratory tract irritation. Aspiration hazard if swallowed - can enter lungs and cause damage.
Notes to Physician	Treat symptomatically. May cause sensitization by inhalation and skin contact. Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed. Potential for aspiration if swallowed. Observe risk of aspiration if vomiting occurs.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing agent suitable for type of surrounding fire, Water spray, fog or alcohol-resistant foam

Unsuitable Extinguishing Media

Do not use a solid water stream as it may scatter and spread fire.

Specific Hazards Arising from the Chemical

Flammable. Vapors may accumulate in confined areas (basement, tanks, hopper/tank cars, etc.). Vapors may form explosive mixtures with air. Do not allow run-off from fire-fighting to enter drains or water courses. Dried product is capable of burning. Sealed containers may rupture when heated. Keep product and empty container away from heat and sources of ignition. May be ignited by heat, sparks or flames.

Hazardous Combustion Products

Carbon oxides, Carbon monoxide, Carbon dioxide (CO₂), Halogenated compounds

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge May be ignited by friction, heat, sparks or flames. This liquid may accumulate static electricity when filling properly grounded containers. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Evacuate personnel to safe areas. Do not touch or walk through spilled material. Use

personal protective equipment as required. See section 8 for more information. Avoid contact with eyes, skin and clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded.

Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Cleaning Up Prevent further leakage or spillage if safe to do so. Minimize the amount spilled and suppress resultant vapors. Dike far ahead of spill to collect runoff water. Pick up and transfer to properly labeled containers. Take up with sand, earth or other noncombustible absorbent material. Take precautionary measures against static discharges. Prevent environmental discharge consistent with regulatory requirements. Disposal should be in accordance with applicable regional, national and local laws and regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice. Flammable. For industrial use only. Handle and open containers with care. Avoid contact with eyes, skin and clothing. Do not ingest. Avoid inhalation of chemical. DO NOT handle or store near an open flame, heat, or other sources of ignition. Fixed equipment as well as transfer containers and equipment should be grounded to prevent accumulation of static charge. DO NOT pressurize, cut, heat, or weld containers. Empty containers may contain hazardous product residues. Keep the containers closed when not in use. Protect against physical damage. Use appropriate personal protective equipment. Handling Temperature: Ambient. Static Accumulator: This material is a static accumulator. A liquid is typically considered a nonconductive, static accumulator if its conductivity is below 100pS/m (100x10E-12 Siemens per meter) and is considered a semi conductive, static accumulator if its conductivity is below 10,000 pS/m. Whether a liquid is nonconductive or semi conductive, the precautions are the same. A number of factors, for example liquid temperature, presence of contaminants, anti-static additives and filtration can greatly influence the conductivity of a liquid.

Conditions for safe storage, including any incompatibilities

Storage Store in a cool, dry, well ventilated area, away from heat and ignition sources. Use explosion-proof ventilation to prevent vapor accumulation. Prevent electrostatic charge buildup by using common bonding and grounding techniques. Store at ambient temperature. Store in accordance with good industrial practices. Keep from freezing.

Incompatible Products Strong oxidizing agents. Strong acids. Strong bases. Peroxides. Strong reducing agents. Ammonia.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH	AIHA - WEEL
Acetone 67-64-1	TWA: 250 ppm STEL: 500 ppm	TWA: 1000 ppm TWA: 2400 mg/m ³ (vacated) TWA: 750 ppm (vacated) TWA: 1800 mg/m ³ (vacated) STEL: 2400 mg/m ³ (vacated) STEL: 1000 ppm	IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m ³	-
Hexane 110-54-3	TWA: 50 ppm Sk*	TWA: 500 ppm TWA: 1800 mg/m ³ (vacated) TWA: 50 ppm (vacated) TWA: 180 mg/m ³ (vacated) TWA: 500 ppm (vacated) TWA: 1800 mg/m ³ (vacated) STEL: 1000 ppm	IDLH: 1100 ppm TWA: 50 ppm TWA: 180 mg/m ³	-

		(vacated) STEL: 3600 mg/m ³		
Toluene 108-88-3	TWA: 20 ppm Otoxicant - potential to cause hearing disorders	TWA: 200 ppm (vacated) TWA: 100 ppm (vacated) TWA: 375 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 560 mg/m ³ Ceiling: 300 ppm	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 560 mg/m ³	-
Neohexane 75-83-2	TWA: 200 ppm TWA: 500 ppm STEL: 1000 ppm	(vacated) TWA: 500 ppm (vacated) TWA: 1800 mg/m ³ (vacated) STEL: 1000 ppm (vacated) STEL: 3600 mg/m ³	Ceiling: 510 ppm Ceiling: 1800 mg/m ³ TWA: 100 ppm TWA: 350 mg/m ³	-
3-Methylpentane 96-14-0	TWA: 200 ppm TWA: 500 ppm STEL: 1000 ppm	(vacated) TWA: 500 ppm (vacated) TWA: 1800 mg/m ³ (vacated) STEL: 1000 ppm (vacated) STEL: 3600 mg/m ³	Ceiling: 510 ppm Ceiling: 1800 mg/m ³ TWA: 100 ppm TWA: 350 mg/m ³	-
2-Methylpentane 107-83-5	TWA: 200 ppm TWA: 500 ppm STEL: 1000 ppm	(vacated) TWA: 500 ppm (vacated) TWA: 1800 mg/m ³ (vacated) STEL: 1000 ppm (vacated) STEL: 3600 mg/m ³	Ceiling: 510 ppm Ceiling: 1800 mg/m ³ TWA: 100 ppm TWA: 350 mg/m ³	-
2,3-Dimethylbutane 79-29-8	TWA: 200 ppm TWA: 500 ppm STEL: 1000 ppm	(vacated) TWA: 500 ppm (vacated) TWA: 1800 mg/m ³ (vacated) STEL: 1000 ppm (vacated) STEL: 3600 mg/m ³	Ceiling: 510 ppm Ceiling: 1800 mg/m ³ TWA: 100 ppm TWA: 350 mg/m ³	-
Cyclohexane 110-82-7	TWA: 100 ppm	TWA: 300 ppm TWA: 1050 mg/m ³ (vacated) TWA: 300 ppm (vacated) TWA: 1050 mg/m ³	IDLH: 1300 ppm TWA: 300 ppm TWA: 1050 mg/m ³	-
Talc 14807-96-6	TWA: 2 mg/m ³ particulate matter containing no asbestos and <1% crystalline silica, respirable particulate matter	TWA: 20 mppcf (vacated) TWA: 2 mg/m ³	IDLH: 1000 mg/m ³ TWA: 2 mg/m ³	-
Rosin 8050-09-7	TWA: 0.001 mg/m ³ total resin acids inhalable particulate matter dermal sensitizer; respiratory sensitizer	(vacated) TWA: 0.1 mg/m ³	TWA: 0.1 mg/m ³	-
Xylenes (o-, m-, p- isomers) 1330-20-7	TWA: 20 ppm	TWA: 100 ppm TWA: 435 mg/m ³ (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 655 mg/m ³	-	-

Appropriate engineering controls

Engineering Measures

Showers. Eyewash stations. Ventilation systems. Use process enclosure, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. Electrical and mechanical equipment should be explosion proof. Firewater monitors and deluge systems are recommended.

Individual protection measures, such as personal protective equipment

Eye/Face Protection

Avoid contact with eyes. Safety glasses with side-shields. Goggles.

Skin and Body Protection

Wear protective gloves/protective clothing.

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Take off contaminated clothing and wash before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state

Liquid

Appearance	Amber	Odor	Hydrocarbon-like
Color	Amber	Odor threshold	No data available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No information available	
Melting point / freezing point	No data available	
Boiling Point / Boiling Range	>= 56 °C / 132 °F	(based on components)
Flash point	>= -18 °C / >= -0.4 °F	(based on components)
Evaporation rate	< 8.1 (butyl acetate = 1)	(based on components)
Flammability	No information available	
Flammability Limit in Air		(based on components)
Upper flammability or explosive limits	14.3% (V)	
Lower flammability or explosive limits	1% (V)	
Vapor pressure	< 185 mmHg	(based on components)
Relative vapor density	< 3 @ 20-25°C (68-77°F) (air = 1)	(based on components)
Relative density	0.83	
Water Solubility	Slightly soluble	
Solubility in other solvents	Specific test data for the substance or mixture is not available	
Partition coefficient	No information available	
Autoignition temperature	> 252 °C / 485 °F	(based on components)
Decomposition temperature	No information available	
Kinematic viscosity	No information available	
Dynamic viscosity	1600 - 1700 cps	@ 25 °C
Explosive Properties	No information available	
Oxidizing Properties	No information available	

Other information

Softening Point	Specific test data for the substance or mixture is not available
Solids	21.5 - 22.5 %

10. STABILITY AND REACTIVITY

Reactivity

None under normal processing

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

No information available.

Conditions to avoid

Keep away from open flames, hot surfaces and sources of ignition. Keep away from children.

Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases. Peroxides. Strong reducing agents. Ammonia.

Hazardous decomposition products

Thermal decomposition can lead to release of irritating gases and vapors. Carbon oxides. Chlorine. Hydrogen chloride.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation	Harmful by inhalation. Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, cessation of breathing. May cause drowsiness and dizziness. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. May cause irritation of respiratory tract.
Eye Contact	Contact with eyes may cause irritation.
Skin Contact	Repeated exposure may cause skin dryness or cracking. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

Ingestion

Not an expected route of exposure. Do not taste or swallow. May be harmful if swallowed. Potential for aspiration if swallowed. May cause drowsiness and dizziness. May cause irritation.

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Acetone 67-64-1	= 5800 mg/kg (Rat)	> 15700 mg/kg (Rabbit)	= 50100 mg/m ³ (Rat) 8 h
Hexane 110-54-3	= 25 g/kg (Rat) = 15000 mg/kg (Rat)	= 3000 mg/kg (Rabbit)	= 48000 ppm (Rat) 4 h
Toluene 108-88-3	= 2600 mg/kg (Rat)	= 12000 mg/kg (Rabbit)	= 12.5 mg/L (Rat) 4 h
Neohexane 75-83-2	= 15000 mg/kg (Rat)	> 5 mL/kg (Rabbit)	-
3-Methylpentane 96-14-0	= 15000 mg/kg (Rat)	-	-
2-Methylpentane 107-83-5	= 15000 mg/kg (Rat)	-	-
2,3-Dimethylbutane 79-29-8	= 15000 mg/kg (Rat)	> 5 mL/kg (Rabbit)	= 259354 mg/m ³ (Rat) 4 h
Cyclohexane 110-82-7	= 12705 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 32880 mg/m ³ (Rat) 4 h
Talc 14807-96-6	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	-
Rosin 8050-09-7	= 7600 mg/kg (Rat)	> 2500 mg/kg (Rabbit)	= 1.5 mg/L (Rat) 4 h
Xylenes (o-, m-, p- isomers) 1330-20-7	= 3500 mg/kg (Rat) = 4820 mg/kg (Rat)	> 4350 mg/kg (Rabbit) > 2000 mg/kg (Rabbit)	= 29.08 mg/L (Rat) 4 h > 5.04 mg/L (Rat) 4 h

Symptoms related to the physical, chemical and toxicological characteristics**Symptoms**

Specific test data for the substance or mixture is not available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure**Sensitization**

May cause sensitization in susceptible persons.

Mutagenic Effects

May cause genetic defects.

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Toluene 108-88-3	-	Group 3	-	-
Neohexane 75-83-2	A3	-	-	-
3-Methylpentane 96-14-0	A3	-	-	-
2-Methylpentane 107-83-5	A3	-	-	-
2,3-Dimethylbutane 79-29-8	A3	-	-	-
Talc 14807-96-6	-	Group 2A Group 2B	-	X
Xylenes (o-, m-, p- isomers) 1330-20-7	-	Group 3	-	-

Reproductive Toxicity

Product is or contains a chemical which is a known or suspected reproductive hazard. May impair fertility. Possible risk of harm to the unborn child.

STOT - single exposure

Target Organs. Respiratory system. Central nervous system.

STOT - repeated exposure

Causes damage to organs through prolonged or repeated exposure.

Aspiration Hazard

Risk of serious damage to the lungs (by aspiration). May be fatal if swallowed and enters airways.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	6,207.40
ATEmix (dermal)	7,154.30
ATEmix (inhalation-gas)	99,999.00
ATEmix (inhalation-dust/mist)	37.30

12. ECOLOGICAL INFORMATION

Ecotoxicity

1E-05 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical name	Algae/aquatic plants	Fish	Crustacea
Acetone - 67-64-1	Not applicable	LC50: 4.74 - 6.33mg/L (96h, Oncorhynchus mykiss) LC50: 6210 - 8120mg/L (96h, Pimephales promelas) LC50: =8300mg/L (96h, Lepomis macrochirus)	EC50: 10294 - 17704mg/L (48h, Daphnia magna) EC50: 12600 - 12700mg/L (48h, Daphnia magna)
Hexane - 110-54-3	Not applicable	LC50: 2.1 - 2.98mg/L (96h, Pimephales promelas)	Not applicable
Toluene - 108-88-3	EC50: >433mg/L (96h, Pseudokirchneriella subcapitata) EC50: =12.5mg/L (72h, Pseudokirchneriella subcapitata)	LC50: 15.22 - 19.05mg/L (96h, Pimephales promelas) LC50: =12.6mg/L (96h, Pimephales promelas) LC50: 5.89 - 7.81mg/L (96h, Oncorhynchus mykiss) LC50: 14.1 - 17.16mg/L (96h, Oncorhynchus mykiss) LC50: =5.8mg/L (96h, Oncorhynchus mykiss) LC50: 11.0 - 15.0mg/L (96h, Lepomis macrochirus) LC50: =54mg/L (96h, Oryzias latipes) LC50: =28.2mg/L (96h, Poecilia reticulata) LC50: 50.87 - 70.34mg/L (96h, Poecilia reticulata)	EC50: 5.46 - 9.83mg/L (48h, Daphnia magna) EC50: =11.5mg/L (48h, Daphnia magna)
Cyclohexane - 110-82-7	EC50: >500mg/L (72h, Desmodesmus subspicatus)	LC50: 3.96 - 5.18mg/L (96h, Pimephales promelas) LC50: 23.03 - 42.07mg/L (96h, Pimephales promelas) LC50: 24.99 - 44.69mg/L (96h, Lepomis macrochirus) LC50: 48.87 - 68.76mg/L (96h, Poecilia reticulata)	Not applicable
Talc - 14807-96-6	Not applicable	LC50: >100g/L (96h, Brachydanio rerio)	Not applicable
Rosin - 8050-09-7	EC50: =400mg/L (72h, Desmodesmus subspicatus)	Not applicable	EC50: 3.8 - 5.4mg/L (48h, Daphnia magna)
Xylenes (o-, m-, p- isomers) - 1330-20-7	EC50: =11mg/L (72h, Pseudokirchneriella subcapitata)	LC50: =13.4mg/L (96h, Pimephales promelas) LC50: 2.661 - 4.093mg/L (96h, Oncorhynchus mykiss) LC50: 13.5 - 17.3mg/L (96h, Oncorhynchus mykiss) LC50: 13.1 - 16.5mg/L (96h, Lepomis macrochirus) LC50: =19mg/L (96h, Lepomis macrochirus) LC50: 7.711 - 9.591mg/L (96h, Lepomis macrochirus) LC50: 23.53 - 29.97mg/L (96h, Pimephales promelas) LC50: =780mg/L (96h, Cyprinus carpio) LC50: >780mg/L (96h, Cyprinus carpio) LC50: 30.26 - 40.75mg/L (96h, Poecilia reticulata)	EC50: =3.82mg/L (48h, water flea) LC50: =0.6mg/L (48h, Gammarus lacustris)

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

Chemical name	Partition coefficient
Acetone 67-64-1	-0.24
Hexane 110-54-3	4
Toluene 108-88-3	3.93
Neohexane 75-83-2	3.8
Cyclohexane 110-82-7	3.93
Rosin 8050-09-7	7.7
Xylenes (o-, m-, p- isomers) 1330-20-7	3.15

Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS

Disposal methods

Disposal Methods This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). Dispose of in accordance with federal, state and local regulations.

Contaminated Packaging Dispose of in accordance with local regulations. Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

Chemical name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Acetone 67-64-1	-	Included in waste stream: F039	-	ignitable waste
Toluene 108-88-3	U220	Included in waste streams: F005, F024, F025, F039, K015, K036, K037, K149, K151	-	-
Cyclohexane 110-82-7	-	-	-	ignitable waste
Xylenes (o-, m-, p- isomers) 1330-20-7	-	Included in waste stream: F039	-	ignitable waste, toxic waste

14. TRANSPORT INFORMATION

DOT
UN number or ID number 1133
Proper Shipping Name Adhesives, (Acetone, hexane, toluene)
Transport hazard class(es) 3
Packing Group II
Transport Label



IATA Regulated

IMDG Regulated

15. REGULATORY INFORMATION

TSCA 8(b)
DSL

All components are listed or exempt
All components are listed or exempt

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical name	Weight-%	SARA 313 - Threshold Values %
Hexane - 110-54-3	10 - 30	1.0
Toluene - 108-88-3	10 - 30	1.0
Cyclohexane - 110-82-7	0.1 - 1.0	1.0
Xylenes (o-, m-, p- isomers) - 1330-20-7	0.1 - 1.0	1.0
Zinc oxide (ZnO) - 1314-13-2	< 0.1%	1.0
Benzene - 71-43-2	< 0.1%	0.1
Ethylbenzene - 100-41-4	< 0.1%	0.1
Formaldehyde - 50-00-0	< 0.1%	0.1
Cadmium - 7440-43-9	< 0.1%	0.1
2-Chloro-1,3-butadiene - 126-99-8	< 0.1%	0.1
Cadmium oxide (CdO) - 1306-19-0	< 0.1%	0.1

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

This product contains the following substances which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act:

Chemical name	Weight-%	HAPS data
Hexane 110-54-3	10 - 30	Present
Toluene 108-88-3	10 - 30	Present
Xylenes (o-, m-, p- isomers) 1330-20-7	0.1 - 1.0	Present
Benzene 71-43-2	< 0.1%	Present
Ethylbenzene 100-41-4	< 0.1%	Present
Formaldehyde 50-00-0	< 0.1%	Present
Lead oxide (PbO) 1317-36-8	< 0.1%	Present
Lead 7439-92-1	< 0.1%	Present
2-Chloro-1,3-butadiene 126-99-8	< 0.1%	Present
Cadmium oxide (CdO) 1306-19-0	< 0.1%	Present

CWA (Clean Water Act)

See information supplied by the manufacturer

CERCLA

See information supplied by the manufacturer

US State Regulations

California Proposition 65

WARNING: This product can expose you to one or more chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm. For more information go to www.P65Warnings.ca.gov. See section 3 of the SDS for Proposition 65 substances present at or above 0.1 weight percent. Please contact the Regulatory Department if additional information is required.

U.S. EPA Label Information

16. OTHER INFORMATION

<u>NFPA</u>	Health hazards 3	Flammability 3	Instability 0	Special hazards -
<u>HMIS</u>	Health hazards 3*	Flammability 3	Physical hazards 0	Personal Precautions X

Prepared By Verified by Quality Control Department

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Revision Note

No information available

Disclaimer

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of Safety Data Sheet