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Epoxy Primer/Sealer Catalyst SAFETY DATA SHEET

X-L32201, 32204

SECTION I - IDENTIFICATION

Epoxy Primer Catalyst
X-L32201, X-L32204
Epoxy Primer Catalyst
No other uses are advised.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer	
Company name	Excel Autobody Products
Address	2921 Syene Road
	Madison, WI 53713
	United States
Telephone	PRODUCT INFORMATION: (800) 957-0848 EMERGENCY TELEPHONE: 1-800-424-9300

SECTION II - HAZARD(S) IDENTIFICATION

Physical hazards	Flammable liquids	Category 2
Health hazards	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 1
	Sensitization, skin	Category 1
	Specific target organ toxicity, single exposure	Category 3 narcotic effects
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 3
	Hazardous to the aquatic environment, long-term hazard	Category 3
OSHA defined hazards	Not classified.	

Label elements



Danger

Signal word Hazard statement

Highly flammable liquid and vapor. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause drowsiness or dizziness. Harmful to aquatic life with long lasting effects.

Precautionary statement Prevention

Keep away from heat/sparks/open flames/hot surfaces. - 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. Avoid breathing mist or vapor. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/eye protection/face protection.

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Response	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. 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 skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. In case of fire: Use appropriate media to extinguish.
Storage	Keep cool. Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise	Static accumulating flammable liquid can become electrostatically charged even in bonded and
Supplemental information	56.81% of the mixture consists of component(s) of unknown acute oral toxicity. 76.81% of the mixture consists of component(s) of unknown acute dermal toxicity. 99.37% of the mixture consists of component(s) of unknown acute inhalation toxicity. 86.61% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 86.61% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

SECTION III - COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Chemical name CAS number	%Common name and synonyms	
Tert Butyl Acetate 88-5		30 - < 40540-
Methyl Acetate 9		20 - < 3079-20-
Isopropanol O		10 - < 2067-63-
parachlorobenzotriflouride 6		10 - < 2098-56-
N-Butyl Alcohol		1 - < 371-36-3
Triethylenetetramine Regulatory		< 0.3112-24-3
tert-Butyl Alcohol		< 0.275-65-0
nhalation	Remove victim to fresh air and keep at rest in a position comfortable for or doctor/physician if you feel unwell.	breathing. Call a POISON CENTE
Skin contact	Remove contaminated clothing immediately and wash skin with soap and er skin disorders: Seek medical attention and take along these instruction before reuse.	
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remo easy to do. Continue rinsing. Get medical attention immediately.	ove contact lenses, if present and
ngestion	Rinse mouth. Get medical attention if symptoms occur.	
Nost important ymptoms/effects, acute and lelayed	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Seve include stinging, tearing, redness, swelling, and blurred vision. Permaner could result. Skin irritation. May cause redness and pain. May cause an a Rash.	nt eye damage including blindnes
ndication of immediate nedical attention and special reatment needed	Provide general supportive measures and treat symptomatically. Therma ately. While flushing, remove clothes which do not adhere to affected are flushing during transport to hospital. Keep victim under observation. Sym	a. Call an ambulance. Continue
General information	Take off all contaminated clothing immediately. Ensure that medical pers al(s) involved, and take precautions to protect themselves. Wash contam	

SECTION IV - FIRST-AID MEASURES

Water fog. Alcohol resistant foam. Carbon dioxide (CO2). Dry chemical powder, carbon dioxide, sand

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Specific hazards arising from the

Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. This liquid may accumulate static electricity when filling properly grounded containers. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on surface of water. During fire, gases hazardous to health may be formed.

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Special protective equipment and precautions for firefighters Fire fighting equipment/instructions Specific methods General fire hazards

Personal precautions, protec-

tive equipment and emergency

Methods and materials

Environmental precau-

for containment and

cleaning up

tions

procedures

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

Use standard firefighting procedures and consider the hazards of other involved materials. Highly flammable liquid and vapor.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Use appropriate containment to avoid environmental contamination. Transfer by mechanical means such as vacuum truck to a salvage tank or other suitable container for recovery or safe disposal. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. Prevent product from entering drains.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental

releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination.

Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material

SECTION VII - HANDLING AND STORAGE

from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Handling operations that can promote accumulation of static charges include but are not limited to: mixing, filtering, pumping at high flow rates, splash filling, creating mists or sprays, tank and container filling, tank cleaning, sampling, gauging, switch loading, vacuum truck operations. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not get this material in contact with eyes. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

For additional information on equipment bonding and grounding, refer to the Canadian Electrical Code in Canada, (CSA C22.1), or the American Petroleum Institute (API) Recommended Practice 2003, "Protection Against Ignitions Arising out of Static, Lightning, and Stray Currents" or National Fire Protection Association (NFPA) 77, "Recommended Practice on Static Electricity" or National Fire Protection Association (NFPA) 70, "National Electrical Code".

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Conditions for safe storage, includ-Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Eliminate sources of ignition. Avoid spark promoters. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

of the SDS).

Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

	minants (29 CFR 1910.1000)		
Components	Туре	Value	
Isopropanol (CAS 67-63-0)	PEL	980 mg/m3	
		400 ppm	
Methyl Acetate (CAS 79-20-9)	PEL	610 mg/m3	
N-Butyl Alcohol (CAS		200 ppm	
71-36-3)	PEL	300 mg/m3	
Tert Butyl Acetate (CAS 540-88-5)		100 ppm	
	PEL	950 mg/m3	
US. ACGIH Threshold Limit Values		200 ppm	
Components	Туре	Value	
Isopropanol (CAS 67-63-0)	STEL	400 ppm	
	TWA	200 ppm	
Methyl Acetate (CAS 79-20-9)	STEL	250 ppm	
N-Butyl Alcohol (CAS 71-36-3)	TWA	200 ppm	
Tert Butyl Acetate (CAS 540- 88-5)	TWA	20 ppm	
	STEL	150 ppm	
	TWA	50 ppm	
US. NIOSH: Pocket Guide to Chemical H		Velue	
Components	Туре	Value	
Isopropanol (CAS 67-63-0)	STEL	1225 mg/m3	
		500 ppm	
	TWA	980 mg/m3	
		400 ppm	
Methyl Acetate (CAS 79-20-9)	STEL	760 mg/m3	
		250 ppm	
	TWA	610 mg/m3	
N-Butyl Alcohol (CAS		200 ppm	
71-36-3)	Ceiling	150 mg/m3	
Tert Butyl Acetate (CAS 540-		50 ppm	
88-5)	TWA	950 mg/m3	
		200 ppm	
US. Workplace Environmental Exposure	Level (WEEL) Guides		
Components	Туре	Value	
Triethylenetetramine	Material name: Epoxy Primer C		
Regulatory (CAS 112-24-3)	RS-781 Version #: 01 Issue TWA	e date: 04-27-2017 6 mg/m3	
		0 118/1110	

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Specimen Sampling Time

Urine

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Biological limit values

ACGIH Biological Exposure Indices Components Value Isopropanol (CAS 67-63-0) 40 mg/l

* - For sampling details, please see the source document.

Exposure guidelines

cposure guidelines	
US - California OELs: Skin designation	
N-Butyl Alcohol (CAS 71-36-3)	Can be absorbed through the skin.
US - Minnesota Haz Subs: Skin designation applies	
N-Butyl Alcohol (CAS 71-36-3)	Skin designation applies.
US - Tennessee OELs: Skin designation	
N-Butyl Alcohol (CAS 71-36-3)	Can be absorbed through the skin.
US NIOSH Pocket Guide to Chemical Hazards: Skin de	esignation
N-Butyl Alcohol (CAS 71-36-3)	Can be absorbed through the skin.
US WEEL Guides: Skin designation	
Triethylenetetramine Regulatory (CAS 112-24-3)	Can be absorbed through the skin.

Determinant

Acetone

Appropriate engineering Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station. Eye wash fountain and emergency showers are recommended.

Individual protection measures, such as personal protective equipment

Eye/face protection	Chemical respirator with organic vapor cartridge and full facepiece.
Skin protection Hand protection	Wear appropriate chemical resistant gloves.
Other Respiratory protection Thermal hazards	Wear appropriate chemical resistant clothing. Chemical respirator with organic vapor cartridge and full facepiece. Wear appropriate thermal protective clothing, when necessary.
inoniai nazarao	



General hygiene

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance		
Physical state	Liquid.	
Form	Liquid.	
Color	Not available.	
Odor	Not available.	
Odor threshold	Not available. pH	Not
available.		
Melting point/freezing point	-144.4 °F (-98 °C) estima	ated
Initial boiling point and boiling rang	e 134.24 °F (56.8 °C) esti	mated
Flash point	14.0 °F (-10.0 °C) estima	ated

Flash point14.0 °F (-10.0Flammability (solid, gas)Not applicable.

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Upper/lower flammability or explosive limits

Flammability limit - lower (%) 1.5 % estimated Flammability limit - upper (%) 16 % estimated

Explosive limit - lower (%)Not available.

Explosive limit - upper (%)Not available.

Vapor pressure	107.63 hPa estimated
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	

Solubility (water) Not available. Partition coefficient (n-octanol/water) ot available.

Auto-ignition temperature 750.2 °F (399 °C) estimated Decomposition temperatureNot available. Viscosity Not available. **Other information** Density 0.91 g/cm3 estimated Not explosive. **Explosive properties Flammability class** Flammable IB estimated **Oxidizing properties** Not oxidizing. 42.75 % estimated Percent volatile Specific gravity 0.91 estimated

SECTION X - STABILITY AND REACTIVITY

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Acids. Strong oxidizing agents. Nitrates. Isocyanates. Chlorine.
Hazardous decomposition products	No hazardous decomposition products are known.

SECTION XI - TOXICOLOGICAL INFORMATION

Inhalation	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful.
Skin contact	Causes skin irritation. May cause an allergic skin reaction.
Eye contact	Causes serious eye damage.
Ingestion	Expected to be a low ingestion hazard.
Symptoms related to the physi-	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms

Symptoms related to the physical, chemical and toxicological may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

Information on toxicological effects

Acute toxicity

Not known.

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	1E
8	

Fish

Aquatic Crustacea

N-Butyl Alcohol (CAS 71-36-3)

EC50

LC50

<

Isopropanol (CAS 67-63-0)		Test Results	
<u>Acute</u>			
Oral			
LD50	Rat	4.7 g/kg	
N-Butyl Alcohol (CAS 71-36-3)			
<u>Acute</u>			
Dermal			
LD50	Rabbit	3400 mg/kg	
Oral			
LD50	Rat	790 mg/kg	
* Estimates for product r	nay be based on addition	al component data not shown.	
Skin corrosion/irritation	Causes serious e	eye damage.	
Serious eye damage/eye irri	tation		
Respiratory or skin sensitiza Causes skin irritation.	tion		
Respiratory sensitizatio	n Not a respiratory sensiti	zer. Skin sensi-	
tization Germ cell mutagenie	ily '	ergic skin reaction.	
	No data available genic or genotox	${\rm e}$ to indicate product or any components present at greater than 0.1% are ic.	muta-
Carcinogenicity	Not classifiable a	as to carcinogenicity to humans.	
IARC Monographs. Over	all Evaluation of Carcino	genicity	
Not listed.			
Not listed.	lated Substances (29 CF	R 1910.1001-1050)	
Not listed. OSHA Specifically Regu Not regulated.			
Not listed. OSHA Specifically Regu Not regulated. US. National Toxicology	lated Substances (29 CF Program (NTP) Report o		
Not listed. OSHA Specifically Regu Not regulated. US. National Toxicology Not listed.	Program (NTP) Report o	n Carcinogens	
Not listed. OSHA Specifically Regu Not regulated. US. National Toxicology Not listed.	Program (NTP) Report o		
Not listed. OSHA Specifically Regu Not regulated. US. National Toxicology Not listed. Reproductive toxicity Specific target organ toxicit	Program (NTP) Report of This product is n	n Carcinogens	
Not listed. OSHA Specifically Regu Not regulated. US. National Toxicology Not listed. Reproductive toxicity Specific target organ toxicit -single exposure Specific target organ toxicit	Program (NTP) Report of This product is n May cause drows	n Carcinogens ot expected to cause reproductive or developmental effects.	
Not listed. OSHA Specifically Regu Not regulated. US. National Toxicology Not listed. Reproductive toxicity Specific target organ toxicit -single exposure Specific target organ toxicit -repeated exposure	Program (NTP) Report of This product is n May cause drows	n Carcinogens ot expected to cause reproductive or developmental effects. siness and dizziness.	
Not listed. OSHA Specifically Regu Not regulated. US. National Toxicology Not listed. Reproductive toxicity Specific target organ toxicit -single exposure Specific target organ toxicit -repeated exposure Aspiration hazard	Program (NTP) Report of This product is n May cause drows Not classified. Not an aspiration	n Carcinogens ot expected to cause reproductive or developmental effects. siness and dizziness.	
Not listed. OSHA Specifically Regu Not regulated. US. National Toxicology Not listed. Reproductive toxicity Specific target organ toxicit -single exposure Specific target organ toxicit -repeated exposure Aspiration hazard Chronic effects	Program (NTP) Report of This product is n May cause drows Not classified. Not an aspiration Prolonged inhala	n Carcinogens ot expected to cause reproductive or developmental effects. siness and dizziness.	
Not listed. OSHA Specifically Regu Not regulated. US. National Toxicology Not listed. Reproductive toxicity Specific target organ toxicit -single exposure Specific target organ toxicit -repeated exposure Aspiration hazard Chronic effects SECTION XII - ECOLOGICA	Program (NTP) Report of This product is n May cause drows Not classified. Not an aspiration Prolonged inhala	n Carcinogens ot expected to cause reproductive or developmental effects. siness and dizziness.	
Not listed. OSHA Specifically Regu Not regulated. US. National Toxicology Not listed. Reproductive toxicity Specific target organ toxicit -single exposure Specific target organ toxicit -repeated exposure Aspiration hazard Chronic effects SECTION XII - ECOLOGICA	Program (NTP) Report of This product is n May cause drows Not classified. Not an aspiration Prolonged inhala IL INFORMATION Harmful to aqua	n Carcinogens ot expected to cause reproductive or developmental effects. siness and dizziness. n hazard. tion may be harmful.	
Not listed. OSHA Specifically Regu Not regulated. US. National Toxicology Not listed. Reproductive toxicity Specific target organ toxicit -single exposure Specific target organ toxicit -repeated exposure Aspiration hazard Chronic effects SECTION XII - ECOLOGICA Ecotoxicity	Program (NTP) Report of This product is n May cause drows Not classified. Not an aspiration Prolonged inhala IL INFORMATION Harmful to aqua	n Carcinogens ot expected to cause reproductive or developmental effects. siness and dizziness. n hazard. tion may be harmful.	
Not listed. OSHA Specifically Regu Not regulated. US. National Toxicology Not listed. Reproductive toxicity Specific target organ toxicit -single exposure Specific target organ toxicit -repeated exposure Aspiration hazard Chronic effects SECTION XII - ECOLOGICA Ecotoxicity <u>Components</u>	Program (NTP) Report of This product is n May cause drows Not classified. Not an aspiration Prolonged inhala IL INFORMATION Harmful to aqua	n Carcinogens ot expected to cause reproductive or developmental effects. siness and dizziness. n hazard. tion may be harmful.	
Not listed. OSHA Specifically Regu Not regulated. US. National Toxicology Not listed. Reproductive toxicity Specific target organ toxicit -single exposure Specific target organ toxicit -repeated exposure Aspiration hazard Chronic effects SECTION XII - ECOLOGICA Ecotoxicity Components Isopropanol (CAS 67-63-	Program (NTP) Report of This product is n May cause drows Not classified. Not an aspiration Prolonged inhala IL INFORMATION Harmful to aqua	n Carcinogens ot expected to cause reproductive or developmental effects. siness and dizziness. n hazard. tion may be harmful.	
Not listed. OSHA Specifically Regu Not regulated. US. National Toxicology Not listed. Reproductive toxicity Specific target organ toxicit -single exposure Specific target organ toxicit -repeated exposure Aspiration hazard Chronic effects SECTION XII - ECOLOGICA Ecotoxicity Components Isopropanol (CAS 67-63- Aquatic	Program (NTP) Report of This product is n May cause drows Not classified. Not an aspiration Prolonged inhala LINFORMATION Harmful to aquar 0)	n Carcinogens ot expected to cause reproductive or developmental effects. siness and dizziness. n hazard. tion may be harmful. tic life with long lasting effects. Species Test Results	

Bluegill (Lepomis macrochirus)

1897 - 2072 mg/l, 48 hours

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Test Results

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Compon	ients
Tert Buty	yl Acetate (CAS 540-88-5)
Aqu Aqu	Jatic
Fish	n LC50
* Estima	ates for product may be based on
Persistence	and degradability
Bioaccumula	ative potential
Isopropa Methyl A N-Butyl A	cetate
Mobility in se	oil No data
Other advers	e effects No other potentia
SECTION XI	III - DISPOSAL CONSIDERATIO
Disposal inst	tructions Collect a terial to or used regulatic
Local dispos	al regulations Dispose
Hazardous w	vaste code The was company
Waste from r products	residues / unused Dispose residues Disposal
Contaminate	ed packaging Since en tied. Em
	IV - TRANSPORT INFORMATIC
	wing transportation information is nsible for identifying, naming, mar
	ber UN1993 er shipping name Flamma rt hazard class(es)
	ss 3 osidiary risk - oel(s) 3
Packing	group II
	precautions for user Read sa
	provisions IB2, T7, ing exceptions 202
	ing non bulk 242
Packagi	ing bulk
IATA	UN1993
UN num gong UN	ber Flamma er shipping name
Transpo	rt hazard class(es) 3
Cla: Sub	ss osidiary risk Packing 🌐
group	No.
Environ	mental hazards 3H
ERG Coc Special	de Read sa precautions for user

Fish L	.C50 Fathe	ead minnow (Pimephales promelas)	296 - 362 mg/l, 96 hours
* Estimates for product may be I	based on additional co	mponent data not shown.	
ersistence and degradability			
ioaccumulative potential			
Partition coefficient n-octanol /	⁄ water (log Kow)		
Isopropanol Methyl Acetate N-Butyl Alcohol Tert Butyl Acetate		0.05 0.18 0.88 1.76	
lobility in soil	No data available.		
ther adverse effects		ironmental effects (e.g. ozone depleti lisruption, global warming potential) a	
ECTION XIII - DISPOSAL CONSI	DERATIONS		
isposal instructions	terial to drain into sev	vers/water supplies. Do not contamina	sed waste disposal site. Do not allow this ma- ate ponds, waterways or ditches with chemical ance with local/regional/national/international
ocal disposal regulations	Dispose in accordance	e with all applicable regulations.	
azardous waste code	The waste code shou company.	Id be assigned in discussion between	the user, the producer and the waste disposal
/aste from residues / unused roducts		al and its container must be disposed	tainers or liners may retain some product of in a safe manner (see:
ontaminated packaging		, , ,	w label warnings even after container is emp- te handling site for recycling or disposal.

Species

ON

is provided based on the manufacturer's interpretation of shipping regulations. Each shipper arking, and labeling prior to offering for transport.

UN number	UN1993
UN proper shipping name	Flammable liquids, n.o.s. (Tert Butyl Acetate RQ = 13224 LBS, Methyl Acetate RQ = 500 LBS)
Transport hazard class(es)	
Class	3
Subsidiary risk	
Label(s)	3
Packing group	l
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	IB2, T7, TP1, TP8, TP28 150
Packaging exceptions	202
Packaging non bulk	242
Packaging bulk	
Α	UN1993
UN number	Flammable liquid, n.o.s. (Tert Butyl Acetate, Methyl Acetate)
UN proper shipping name	
Transport hazard class(es)	3
Class	
Subsidiary risk Packing	
group	No.
Environmental hazards	ЗН
ERG Code	Read safety instructions, SDS and emergency procedures before handling.
Special propautions for user	

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Other information	
Passenger and cargo aircraft	Allowed with restrictions.
Cargo aircraft only	Allowed with restrictions.
IMDG	
UN number UN proper shipping name Transport hazard class(es)	UN1993 FLAMMABLE LIQUID, N.O.S. (Tert Butyl Acetate, Methyl Acetate)
Class Subsidient del Decider	3
Subsidiary risk Packing group	II
Environmental hazards Marine pollutant EmS Special precautions for user Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code DOT	No. F-E, S□-E□ Read safety instructions, SDS and emergency procedures before handling. Not established.



IATA; IMDG



SECTION XV - REGULATORY INFORMATION

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

1.0 % One-Time Export Notification only.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

parachlorobenzotriflouride (CAS 98-56-6)

CERCLA Hazardous Substance List (40 CFR 302.4)

Isopropanol (CAS 67-63-0)
Methyl Acetate (CAS 79-20-9)
N-Butyl Alcohol (CAS 71-36-3)
Tert Butyl Acetate (CAS 540-88-5)

Listed. Listed. Listed. Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

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Superfund Amendments and Reauthorization Act of 1986 (SARA)

Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed. No SARA 311/312 Hazardous chemical

Chemical name	CAS number	% by wt.	
lsopropanol	67-63-0	10 - < 20	
N-Butyl Alcohol	71-36-3	1-<3	

Other federal regulations

Hazard categories

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Not regulated. Safe Drinking Water Act

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

anol (CAS 67-63-0)	Low priority
Acetate (CAS 79-20-9)	Low priority
Alcohol (CAS 71-36-3)	Low priority

Low priority Low priority

N-Butyl **US** state regulations

Isoprop

Methyl /

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Isopropanol (CAS 67-63-0)

International Inventories

A

Country(s) or region	Inventory name	On inventory (yes/no)*
Austi Gaia ada	Austr abarestice Stobytan Ceencista (DSLU) stances (AICS)	Yes
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes No
Europe	European List of Notified Chemical Substances (ELINCS)	NU
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
		Yes

United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

SECTION XVI - OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Issue date Version #

04-27-2017

01 Our Company cannot anticipate all conditions under which this information and its product, or the prod-utility washest may be used. It is the user's responsibility ucts of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use.

Yes