

SAFETY DATA SHEET

1. Identification

1. Identification			
Product identifier	LPS® ZeroTri®		
Other means of identification			
Part Number	03528, 03505, 03555		
Recommended use	An industrial degreaser designed to remove oil, grease, wax, moisture, dirt or other contaminants from parts and equipments.		
Recommended restrictions	None known.		
Manufacturer/Importer/Supplier/I	Distributor information		
Manufacturer			
Manufacturer			
Company name	ITW Pro Brands		
Address	4647 Hugh Howell Rd.		
	Tucker, GA 30084		
Country	(U.S.A.)		
	Tel: +1 770-243-8800		
In Case of Emergency	1-800-424-9300 (inside U.S.)		
	+001 703-527-3887 (outside U.S.)		
Website	www.itwprobrands.com		
E-mail	lpssds@itwprobrands.com		
2. Hazard(s) identification			
Physical hazards	Flammable liquids Category 2		
Health hazards	Skin corrosion/irritation	Category 2	
	Serious eye damage/eye irritation	Category 2A	
	Specific target organ toxicity, single exposure	Category 3 narcotic effects	
	Aspiration hazard	Category 1	
Environmental hazards	Not classified.		
OSHA defined hazards	Not classified.		
Label elements			
Signal word	Danger		
Hazard statement	Highly flammable liquid and vapor. May be fata	al if swallowed and enters airways. Causes skin	

Precautionary statement

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly Prevention 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. Wear protective gloves/eye protection/face protection. If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If on skin (or hair): Response 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. Call a poison center/doctor if you feel unwell. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. In case of fire: Use appropriate media to extinguish. Keep cool. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Storage Dispose of contents/container in accordance with local/regional/national/international regulations. Disposal Material name: LPS® ZeroTri® SDS US

irritation. Causes serious eye irritation. May cause drowsiness or dizziness.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Heptane, Branched, Cyclic and linear		426260-76-6	30 - 40
propan-2-one		67-64-1	30 - 40
methylcyclohexane		108-87-2	20 - 30
Primary Amyl Acetate		628-63-7	1 - 5

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation Skin contact occurs: Get medical advice/attention. Wash contaminated clothing before reuse. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if Eye contact present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If Ingestion vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Most important Headache. Nausea, vomiting. Severe eve irritation. Symptoms may include stinging, tearing, symptoms/effects, acute and redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. delayed Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water Indication of immediate medical attention and special immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. treatment needed Symptoms may be delayed. Take off all contaminated clothing immediately. Ensure that medical personnel are aware of the General information material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse. 5. Fire-fighting measures Suitable extinguishing media Water fog. Alcohol resistant foam. Carbon dioxide (CO2). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. Do not use water jet as an extinguisher, as this will spread the fire. Unsuitable extinguishing media Specific hazards arising from 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 the chemical 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** In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. equipment/instructions Use standard firefighting procedures and consider the hazards of other involved materials. Specific methods Highly flammable liquid and vapor. General fire hazards

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	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.
	spillages cannot be contained.

Methods and materials for containment and cleaning up	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 entry into waterways, sewer, basements or confined areas.
	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.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination.
7. Handling and storage	
Precautions for safe handling	Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material 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. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	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.

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Туре	Value	
methylcyclohexane (CAS 108-87-2)	PEL	2000 mg/m3	
		500 ppm	
Primary Amyl Acetate (CAS 628-63-7)	PEL	525 mg/m3	
		100 ppm	
propan-2-one (CAS 67-64-1)	PEL	2400 mg/m3	
		1000 ppm	

US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants

Components	Туре	Value	
methylcyclohexane (CAS 108-87-2)	PEL	1600 mg/m3	
		400 ppm	
Primary Amyl Acetate (CAS 628-63-7)	PEL	266 mg/m3	
		50 ppm	
	STEL	532 mg/m3	
		100 ppm	
propan-2-one (CAS 67-64-1)	Ceiling	3000 ppm	
	PEL	1200 mg/m3	
		500 ppm	

US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants

Components	Туре		۰ ۱	/alue	
	STEL		1	780 mg/m3	
			7	50 ppm	
US. ACGIH Threshold Limit	t Values				
Components	Туре		١	/alue	
methylcyclohexane (CAS 108-87-2)	TWA		4	00 ppm	
Primary Amyl Acetate (CAS 628-63-7)	STEL		1	00 ppm	
	TWA		5	0 ppm	
propan-2-one (CAS 67-64-1)	STEL		5	00 ppm	
	TWA		2	50 ppm	
US. NIOSH: Pocket Guide to	o Chemical Hazards				
Components	Туре		١	/alue	
methylcyclohexane (CAS 108-87-2)	TWA		1	600 mg/m3	
			4	00 ppm	
Primary Amyl Acetate (CAS 628-63-7)	TWA		5	25 mg/m3	
			1	00 ppm	
propan-2-one (CAS 67-64-1)	TWA		5	90 mg/m3	
			2	50 ppm	
ACGIH Biological Exposure	e Indices				
	e Indices Value 25 mg/l	Determinant Acetone	Specimen Urine	Sampling Time	
ComponentsVpropan-2-one (CAS267-64-1)2	/alue 25 mg/l	Acetone	-		
ComponentsNpropan-2-one (CAS267-64-1)2* - For sampling details, pleat	/alue 25 mg/l se see the source docu	Acetone ument.	Urine	*	oir
Components propan-2-one (CAS 67-64-1) * - For sampling details, pleas propriate engineering trols	Value 25 mg/l se see the source docu Explosion-proof gen changes per hour) s applicable, use proc maintain airborne le established, maintai shower must be ava	Acetone ument. eral and local exh hould be used. Vo ess enclosures, lo vels below recom n airborne levels ilable when hand	Urine unaust ventilation entilation rates ocal exhaust ve mended expose to an acceptabl ling this product	* . Good general ventilation (typically 10 should be matched to conditions. If ntilation, or other engineering controls ure limits. If exposure limits have not be e level. Eye wash facilities and emerge	to en
Components N propan-2-one (CAS 2 67-64-1) 2 * - For sampling details, please propriate engineering	Value 25 mg/l se see the source docu Explosion-proof gen changes per hour) s applicable, use proc maintain airborne lev established, maintai shower must be ava , such as personal pr	Acetone ument. eral and local exh hould be used. Ve ess enclosures, lo vels below recom n airborne levels ilable when hand otective equipmo	Urine Urine entilation rates ocal exhaust ve mended exposit to an acceptabl ling this product ent	* . Good general ventilation (typically 10 should be matched to conditions. If ntilation, or other engineering controls ure limits. If exposure limits have not be e level. Eye wash facilities and emerge	to en ncy
Components propan-2-one (CAS 67-64-1) * - For sampling details, plear propriate engineering trols vidual protection measures Eye/face protection	Value 25 mg/l se see the source docu Explosion-proof gen changes per hour) s applicable, use proc maintain airborne lev established, maintai shower must be ava , such as personal pr Wear safety glasses	Acetone ument. eral and local exh hould be used. Ve ess enclosures, lo vels below recom n airborne levels ilable when hand otective equipmo	Urine Urine entilation rates ocal exhaust ve mended exposit to an acceptabl ling this product ent	* . Good general ventilation (typically 10 should be matched to conditions. If ntilation, or other engineering controls ure limits. If exposure limits have not be e level. Eye wash facilities and emerge	to en ncy
Components propan-2-one (CAS 67-64-1) * - For sampling details, please propriate engineering trols	Value 25 mg/l se see the source docu Explosion-proof gen changes per hour) s applicable, use proc maintain airborne lev established, maintai shower must be ava , such as personal pr Wear safety glasses are recommended.	Acetone ument. eral and local exh hould be used. Ve ess enclosures, lo vels below recom n airborne levels ilable when hand otective equipmon s with side shields	Urine unaust ventilation entilation rates bocal exhaust ve mended expose to an acceptabl ling this product ent (or goggles). E	* . Good general ventilation (typically 10 should be matched to conditions. If ntilation, or other engineering controls ure limits. If exposure limits have not be e level. Eye wash facilities and emerge	to en ncy /ers
Components N propan-2-one (CAS 2 67-64-1) 2 * - For sampling details, pleator 2 propriate engineering trols 2 vidual protection measures 2 Eye/face protection 3 Skin protection 3	Value 25 mg/l se see the source docu Explosion-proof gen changes per hour) s applicable, use proc maintain airborne lev established, maintai shower must be ava , such as personal pr Wear safety glasses are recommended.	Acetone ument. eral and local exh hould be used. Ve ess enclosures, le vels below recom n airborne levels ilable when hand otective equipme with side shields	Urine Urine entilation rates ocal exhaust ve mended exposi to an acceptabl ling this product ent (or goggles). E	* . Good general ventilation (typically 10 should be matched to conditions. If ntilation, or other engineering controls ure limits. If exposure limits have not be e level. Eye wash facilities and emerge t.	to en ncy /ers
Components N propan-2-one (CAS 2 67-64-1) * * - For sampling details, pleat propriate engineering trols vidual protection measures Eye/face protection Skin protection Hand protection	Value 25 mg/l se see the source docu Explosion-proof gen changes per hour) s applicable, use proc maintain airborne levents established, maintai shower must be ava , such as personal pro- Wear safety glasses are recommended. Wear appropriate cho supplier. Wear appropriate cho Use a positive-presse exposure levels are	Acetone ument. eral and local exh hould be used. Ve ess enclosures, lo vels below recom n airborne levels ilable when hand otective equipmo s with side shields memical resistant of nemical resistant of sure air-supplied r not known, or any	Urine Urine entilation rates ocal exhaust ve mended expose to an acceptabl ling this product ent (or goggles). E gloves. Suitable clothing. espirator if ther	* . Good general ventilation (typically 10 should be matched to conditions. If ntilation, or other engineering controls ure limits. If exposure limits have not be e level. Eye wash facilities and emerge t.	to een ncy vers love
Components propan-2-one (CAS 67-64-1) * - For sampling details, pleat propriate engineering trols vidual protection measures Eye/face protection Skin protection Hand protection Other	Value 25 mg/l se see the source docu Explosion-proof gen changes per hour) s applicable, use proc maintain airborne lev established, maintai shower must be ava , such as personal pr Wear safety glasses are recommended. Wear appropriate ch supplier. Wear appropriate ch Use a positive-press	Acetone ument. eral and local exh hould be used. Ve ess enclosures, lo vels below recom n airborne levels ilable when hand otective equipme s with side shields nemical resistant of sure air-supplied r not known, or any otection.	Urine Urine entilation rates ocal exhaust ve mended exposi to an acceptabl ling this product ent (or goggles). E gloves. Suitable clothing. espirator if ther y other circumst	* . Good general ventilation (typically 10 should be matched to conditions. If ntilation, or other engineering controls ure limits. If exposure limits have not be e level. Eye wash facilities and emerge t. ye wash fountain and emergency show gloves can be recommended by the g e is any potential for an uncontrolled re ances where air-purifying respirators m	to een ncy vers love
Components N propan-2-one (CAS 2 67-64-1) * * - For sampling details, please propriate engineering trols vidual protection measures Eye/face protection Skin protection Hand protection Other Respiratory protection	Value 25 mg/l se see the source docu Explosion-proof gen changes per hour) s applicable, use proc maintain airborne le' established, maintai shower must be ava , such as personal pr Wear safety glasses are recommended. Wear appropriate ch supplier. Wear appropriate ch Use a positive-press exposure levels are provide adequate pr Wear appropriate th When using do not s after handling the mainter See See See See See See See See See See	Acetone ument. eral and local exh hould be used. Ve ess enclosures, le vels below recom n airborne levels i ilable when hand otective equipme with side shields memical resistant of sure air-supplied r not known, or any otection. ermal protective of sanoke. Always ob aterial and before	Urine Urine unaust ventilation entilation rates bocal exhaust ver mended expose to an acceptabl ling this product ent (or goggles). E gloves. Suitable clothing. respirator if ther y other circumst clothing, when r pserve good per e eating, drinking	* . Good general ventilation (typically 10 should be matched to conditions. If ntilation, or other engineering controls ure limits. If exposure limits have not be e level. Eye wash facilities and emerge t.	to een ncy vers love leas nay r
Components N propan-2-one (CAS 2 67-64-1) * * - For sampling details, pleator propriate engineering bropriate engineering trols vidual protection measures Eye/face protection Skin protection Hand protection Other Respiratory protection Thermal hazards teral hygiene	Value 25 mg/l se see the source docu Explosion-proof gen changes per hour) s applicable, use proc maintain airborne leve established, maintai shower must be ava , such as personal pr Wear safety glasses are recommended. Wear appropriate ch use a positive-press exposure levels are provide adequate pr Wear appropriate th When using do not se after handling the m clothing and protecti	Acetone ument. eral and local exh hould be used. Ve ess enclosures, le vels below recom n airborne levels i ilable when hand otective equipme with side shields memical resistant of sure air-supplied r not known, or any otection. ermal protective of sanoke. Always ob aterial and before	Urine Urine unaust ventilation entilation rates bocal exhaust ver mended expose to an acceptabl ling this product ent (or goggles). E gloves. Suitable clothing. respirator if ther y other circumst clothing, when r pserve good per e eating, drinking	* . Good general ventilation (typically 10 should be matched to conditions. If ntilation, or other engineering controls ure limits. If exposure limits have not be e level. Eye wash facilities and emerge t.	to een ncy vers love leas nay r
Components N propan-2-one (CAS 2 67-64-1) * * - For sampling details, pleator * propriate engineering trols * vidual protection measures * Eye/face protection * Skin protection * Hand protection Other Respiratory protection * Thermal hazards * eral hygiene * siderations *	Value 25 mg/l se see the source docu Explosion-proof gen changes per hour) s applicable, use proc maintain airborne leve established, maintai shower must be ava , such as personal pr Wear safety glasses are recommended. Wear appropriate ch use a positive-press exposure levels are provide adequate pr Wear appropriate th When using do not se after handling the m clothing and protecti	Acetone ument. eral and local exh hould be used. Ve ess enclosures, le vels below recom n airborne levels i ilable when hand otective equipme with side shields memical resistant of sure air-supplied r not known, or any otection. ermal protective of sanoke. Always ob aterial and before	Urine Urine unaust ventilation entilation rates bocal exhaust ver mended expose to an acceptabl ling this product ent (or goggles). E gloves. Suitable clothing. respirator if ther y other circumst clothing, when r pserve good per e eating, drinking	* . Good general ventilation (typically 10 should be matched to conditions. If ntilation, or other engineering controls ure limits. If exposure limits have not be e level. Eye wash facilities and emerge t.	to een ncy vers love leas
Components N propan-2-one (CAS 2 67-64-1) * * - For sampling details, please propriate engineering trols vidual protection measures Eye/face protection Skin protection Hand protection Other Respiratory protection Thermal hazards peral hygiene siderations Physical and chemical	Value 25 mg/l se see the source docu Explosion-proof gen changes per hour) s applicable, use proc maintain airborne leve established, maintai shower must be ava , such as personal pr Wear safety glasses are recommended. Wear appropriate ch use a positive-press exposure levels are provide adequate pr Wear appropriate th When using do not se after handling the m clothing and protecti	Acetone ument. eral and local exh hould be used. Ve ess enclosures, le vels below recom n airborne levels i ilable when hand otective equipme with side shields memical resistant of sure air-supplied r not known, or any otection. ermal protective of sanoke. Always ob aterial and before	Urine Urine unaust ventilation entilation rates bocal exhaust ver mended expose to an acceptabl ling this product ent (or goggles). E gloves. Suitable clothing. respirator if ther y other circumst clothing, when r pserve good per e eating, drinking	* . Good general ventilation (typically 10 should be matched to conditions. If ntilation, or other engineering controls ure limits. If exposure limits have not be e level. Eye wash facilities and emerge t.	to een ncy vers love leas nay r

Clear. Colorless.

Liquid.

Form

Color

Odor	Ether-like. Fruity.		
Odor threshold	Not established		
рН	Not applicable		
Melting point/freezing point	Not established		
Initial boiling point and boiling range	> 132.8 °F (> 56 °C)		
Flash point	1.4 °F (-17.0 °C) Tag Closed Cup		
Evaporation rate	> 1 (BuAc = 1)		
Flammability (solid, gas)	Not applicable.		
Upper/lower flammability or exp	losive limits		
Explosive limit - lower (%)	1.2 %		
Explosive limit - upper (%)	12.8 %		
Vapor pressure	> 75 mm Hg @ 20°C		
Vapor density	~ 3 (air = 1)		
Relative density	Not available.		
Solubility(ies)			
Solubility (water)	35 % w/w		
Partition coefficient (n-octanol/water)	Not available.		
Auto-ignition temperature	Not established		
Decomposition temperature	Not established		
Viscosity	Not established		
Other information			
Explosive properties	Not explosive.		
Heat of combustion	> 30 kJ/g		
Oxidizing properties	Not oxidizing.		
Percent volatile	100 %		
Specific gravity	0.74 - 0.76 @ 20°C		
VOC	65 % per U.S. State and Federal Consumer Product Regulations		
10. 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.		
Hazardous decomposition products	Carbon oxides.		
11. Toxicological informat	ion		

Information on likely routes of exposure

······································	
Inhalation	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful.
Skin contact	Causes skin irritation.
Eye contact	Causes serious eye irritation.
Ingestion	Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.
Symptoms related to the physical, chemical and toxicological characteristics	Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.
Information on toxicological eff	ects

Acute toxicity

May be fatal if swallowed and enters airways. Narcotic effects.

Components	Species		Test Results
methylcyclohexane (CAS 108-87-	2)		
<u>Acute</u>			
Dermal LD50	Rabbit		> 2000 mg//rg 24 Hours
	Rappil		> 2000 mg/kg, 24 Hours
Inhalation <i>Vapor</i>			
LC50	Rat		> 26 mg/l, 1 Hours
propan-2-one (CAS 67-64-1)			
Acute			
Inhalation			
Vapor			
LC50	Rat		50 mg/l, 4 Hours
Oral	- /		
LD50	Rat		5800 mg/kg
Skin corrosion/irritation	Causes skin irritatio	-	
Serious eye damage/eye irritation	Causes serious eye	irritation.	
Respiratory or skin sensitizatio	n		
Respiratory sensitization	Not a respiratory se	sitizer	
Skin sensitization		xpected to cause skin sensitization	on
Germ cell mutagenicity	-		ents present at greater than 0.1% are
com com matagementy	mutagenic or geno		
Carcinogenicity	This product is not	onsidered to be a carcinogen by	IARC, ACGIH, NTP, or OSHA.
ACGIH Carcinogens			
propan-2-one (CAS 67-6 IARC Monographs. Overall			a human carcinogen.
Not listed. OSHA Specifically Regulate	ed Substances (29 C	R 1910.1001-1053)	
Not listed. US. National Toxicology Pro	ogram (NTP) Report	n Carcinogens	
Not listed. Reproductive toxicity	This product is not	xpected to cause reproductive or	developmental effects
Specific target organ toxicity -	-		developmental checks.
single exposure	May cause drowsiness and dizziness.		
Specific target organ toxicity - repeated exposure	Not classified.		
Aspiration hazard	May be fatal if swal	wed and enters airways.	
Chronic effects	Prolonged inhalation	may be harmful.	
Further information	Symptoms may be	elayed.	
12. Ecological information	า		
Ecotoxicity	The product is not	assified as environmentally haza	rdous. However, this does not exclude the
-	possibility that large	or frequent spills can have a har	mful or damaging effect on the environment.
Components	Spe	ies	Test Results
methylcyclohexane (CAS 108	3-87-2)		
Aquatic			
<i>Acute</i> Fish	LC50 Stri	ed bass (Morone saxatilis)	5.8 mg/l, 96 hours
Primary Amyl Acetate (CAS 6			ete myn, ee noure
Aquatic	,20-00-1)		
Acute			
Fish	LC50 We	ern mosquitofish (Gambusia affii	nis) 65 mg/l, 96 hours

Components		Species	Test Results	
propan-2-one (CAS 67-64-1)				
Aquatic				
Acute				
Crustacea	EC50	Water flea (Daphnia magna)	>= 10294 - <= 17704 mg/l, 48 hours	
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	>= 4740 - <= 6330 mg/l, 96 hours	
Persistence and degradability	No data is ava	No data is available on the degradability of this product.		
Bioaccumulative potential				
Partition coefficient n-octa	nol / water (log	•		
methylcyclohexane		3.61		
Primary Amyl Acetate		2.3 -0.24		
propan-2-one Mobility in soil	Not establish	•		
Other adverse effects		eu.		
		None known.		
13. Disposal consideratio	ns			
Disposal instructions		Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.		
Local disposal regulations	Dispose in ac	Dispose in accordance with all applicable regulations.		
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company. D001: Waste Flammable material with a flash point <140 F			
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).			
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after contain emptied. Empty containers should be taken to an approved waste handling site for recycling disposal.			
14. Transport information	l			
DOT				
UN number	UN1993			
UN proper shipping name Transport hazard class(es)	Flammable lie	quids, n.o.s. (Heptanes, propan-2-one)		

UN number	UN1993
UN proper shipping name	Flammable liquids, n.o.s. (Heptanes, propan-2-one)
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
Packing group	II
Environmental hazards	
Marine pollutant	No
Special precautions for user	Not available.
Special provisions	IB2, T7, TP1, TP8, TP28
Packaging exceptions	150
Packaging non bulk	202
Packaging bulk	242
ΙΑΤΑ	
UN number	UN1993
UN proper shipping name	Flammable liquid, n.o.s. (Heptanes, propan-2-one)
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	II
Environmental hazards	Yes
ERG Code	3H
Special precautions for user	Not available.
Other information	
Passenger and cargo aircraft	Allowed with restrictions.
Cargo aircraft only	Allowed with restrictions.

IMDG		
UN number	UN1993	
UN proper shipping name Transport hazard class(es)	FLAMMABLE LIQUID, N.O.S. (Heptanes, propan-2-one), MARINE PC	DLLUTANT
Class	3	
Subsidiary risk	-	
Packing group Environmental hazards	11	
Marine pollutant	Yes	
EmS	F-E, S-E	
Special precautions for user		
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.	
DOT		
FLAMMABLE LIQUID		
IATA; IMDG		
Marine pollutant		
General information	IMDG Regulated Marine Pollutant.	
15. Regulatory information		
US federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Haza Standard, 29 CFR 1910.1200.	ard Communication
Toxic Substances Control Ac	ct (TSCA)	
	ort Notification (40 CFR 707, Subpt. D)	
-	200 List (40 CEP 202 4)	
CERCLA Hazardous Substar		
Primary Amyl Acetate (CA propan-2-one (CAS 67-64 SARA 304 Emergency releas	-1) Listed.	

Not regulated.

OSHA Specifically Regulate	d Substances (29 CFR 1910.1	001-1053)			
Not listed.	Not listed.				
Superfund Amendments and Re	authorization Act of 1986 (SA	RA)			
SARA 302 Extremely hazard	ous substance				
Not listed.					
SARA 311/312 Hazardous chemical	Yes				
Classified hazard categories	Flammable (gases, aerosols, Skin corrosion or irritation Serious eye damage or eye ir Specific target organ toxicity (Aspiration hazard	ritation			
SARA 313 (TRI reporting) Not regulated.					
Other federal regulations					
-	112 Hazardous Air Pollutants	s (HAPs) List			
Not regulated. Clean Air Act (CAA) Section	112(r) Accidental Release Pro	evention (40 CFR 68.130)			
Not regulated.					
Safe Drinking Water Act (SDWA)	Not regulated.				
Drug Enforcement Adm Chemical Code Number	inistration (DEA). List 2, Esse	ential Chemicals (21 CFR 1310.02(b) and	1310.04(f)(2) and		
propan-2-one (CAS 67-64-1) 6532 Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))					
	propan-2-one (CAS 67-64-1) 35 %WV DEA Exempt Chemical Mixtures Code Number				
propan-2-one (CAS 67-64-1) 6532 FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace					
propan-2-one (CAS 6		Low priority			
US state regulations		. ,			
US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))					
propan-2-one (CAS 67-64-1) US. New Jersey Worker and Community Right-to-Know Act					
methylcyclohexane (CAS Primary Amyl Acetate (CA propan-2-one (CAS 67-64	108-87-2) AS 628-63-7)				
California Proposition 65 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.					
International Inventories	Ty chemicals currently listed as	carcinogens of reproductive toxins.			
Country(s) or region	Inventory name		On inventory (ves/ne)*		
Australia	Inventory name Australian Inventory of Indust	rial Chemicals (AICIS)	On inventory (yes/no)* No		
Canada	Domestic Substances List (DS		Yes		
Canada	Non-Domestic Substances List	,	No		
China		al Substances in China (IECSC)	No		
Europe	European Inventory of Existin Substances (EINECS)		No		
Europe	European List of Notified Che	mical Substances (ELINCS)	No		
			NO		

Inventory of Existing and New Chemical Substances (ENCS)

Philippine Inventory of Chemicals and Chemical Substances

Taiwan Chemical Substance Inventory (TCSI)

(PICCS)

Existing Chemicals List (ECL)

New Zealand Inventory

Japan

Korea

New Zealand

Philippines

Taiwan

No

Yes

No

Yes

Yes

Country(s) or region Inventory name

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).

16. Other information, including date of preparation or last revision

Issue date	11-02-2016
Revision date	07-25-2022
Version #	03
Disclaimer	ITW Pro Brands cannot anticipate all conditions under which this information and its product, or the products 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. 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 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.
Revision information	Product and Company Identification: Alternate Trade Names Handling and storage: Precautions for safe handling