SAFETY DATA SHEET



1. Product and Company Identification

	Nu-Calgon Nu-Kill® Max Strike Wasp & Hornet Killer (4292-75)		
Other means of identification	Not available.		
Recommended use	Pesticide		
Recommended restrictions	None known.		
Manufacturer/Importer/Supplier	r/Distributor information		
Manufacturer			
Company name	Nu-Calgon		
Address	2611 Schuetz Road		
Talashawa	United States		
Telephone E-mail	314-469-7000 / 800-554-5499 Not available.		
Emergency phone number	1-800-424-9300 (CHEMTREC)		
	, ,		
	2. Hazards Iden	tification	
Physical hazards	Flammable aerosols	Category 1	
	Gases under pressure	Liquefied gas	
Health hazards	Aspiration hazard	Category 1	
Environmental hazards	Not classified.		
OSHA defined hazards	Not classified.		
Label elements			
	$\land \land \land$		
Signal word	Danger		
Signal word Hazard statement	Extremely flammable aerosol. Conta	ains gas under pressure; may explode if heated. May be fatal it	
Hazard statement	-	ains gas under pressure; may explode if heated. May be fatal if	
•	Extremely flammable aerosol. Conta swallowed and enters airways. Keep away from heat, sparks, open	ains gas under pressure; may explode if heated. May be fatal if flames and hot surfaces No smoking. Do not spray on an Pressurized container: Do not pierce or burn, even after use.	
Hazard statement Precautionary statement	Extremely flammable aerosol. Conta swallowed and enters airways. Keep away from heat, sparks, open open flame or other ignition source.	flames and hot surfaces No smoking. Do not spray on an	
Hazard statement Precautionary statement Prevention	Extremely flammable aerosol. Conta swallowed and enters airways. Keep away from heat, sparks, open open flame or other ignition source. If swallowed: Immediately call a point	flames and hot surfaces No smoking. Do not spray on an Pressurized container: Do not pierce or burn, even after use. son center or doctor. Do NOT induce vomiting. e to temperatures exceeding 50°C/122°F. Store in a	
Hazard statement Precautionary statement Prevention Response	Extremely flammable aerosol. Conta swallowed and enters airways. Keep away from heat, sparks, open open flame or other ignition source. If swallowed: Immediately call a pois Protect from sunlight. Do not expose well-ventilated place. Store locked u	flames and hot surfaces No smoking. Do not spray on an Pressurized container: Do not pierce or burn, even after use. son center or doctor. Do NOT induce vomiting. e to temperatures exceeding 50°C/122°F. Store in a	
Hazard statement Precautionary statement Prevention Response Storage	Extremely flammable aerosol. Conta swallowed and enters airways. Keep away from heat, sparks, open open flame or other ignition source. If swallowed: Immediately call a pois Protect from sunlight. Do not expose well-ventilated place. Store locked u	flames and hot surfaces No smoking. Do not spray on an Pressurized container: Do not pierce or burn, even after use. son center or doctor. Do NOT induce vomiting. e to temperatures exceeding 50°C/122°F. Store in a up.	
Hazard statement Precautionary statement Prevention Response Storage Disposal Hazard(s) not otherwise	Extremely flammable aerosol. Conta swallowed and enters airways. Keep away from heat, sparks, open open flame or other ignition source. If swallowed: Immediately call a pois Protect from sunlight. Do not expose well-ventilated place. Store locked u Dispose of container in accordance None known.	flames and hot surfaces No smoking. Do not spray on an Pressurized container: Do not pierce or burn, even after use. son center or doctor. Do NOT induce vomiting. e to temperatures exceeding 50°C/122°F. Store in a up. with local, regional, national and international regulations.	

tures			
Chemical name	Common name and synonyms	CAS number	%
Distillates (petroleum), light hydrotreated		64742-47-8	80-90
Isopropanol		67-63-0	5-10
Carbon dioxide		124-38-9	1-5
Tetramethrin [(1-Cyclohexene-1,2-dicarboximido) methyl 2,2-dimethyl -3-(2-methylpropenyl) cyclopropanecarboxylate]		7696-12-0	0.2

Chemical name	Common name and synonyms	CAS number	%
3-Phenoxybenzyl-(1RS, 3RS; 1 3SR)-2,2-dimethyl-3-(2-methylp 1-enyl) cyclopropanecarboxylat	rop-	26002-80-2	0.125
Composition comments	US GHS: The exact percentage (concentrati secret in accordance with paragraph (i) of §1		thheld as a trade
	4. First Aid Measures	5	
Inhalation	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.		
Skin contact	If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.		
Eye contact	If in eyes, hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove con lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control cent or doctor for treatment advice.		
Ingestion	Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.		
Most important symptoms/effects, acute and delayed	Direct contact with skin may cause irritation. Direct contact with eyes may cause temporary irritation.		
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Symptoms may be delayed. Contains petroleum distillate - vomiting may cause aspiration pneumonia.		
General information Ensure that medical personnel are aware of the material(s) involved and ta protect themselves. Wash contaminated clothing before reuse.		e precautions to	
	Have the product container or label with you when calling a poison control center or doctor, or going for treatment.		
	5. Fire Fighting Measu	res	
Suitable extinguishing media	Alcohol resistant foam. Carbon dioxide. Dry	chemical.	
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.		
Specific hazards arising from the chemical	Contents under pressure. Pressurized container may explode when exposed to heat or flar		d to heat or flame.
Special protective equipment and precautions for firefighters	Firefighters must use standard protective equipment including flame retardant coat, helm face shield, gloves, rubber boots, and in enclosed spaces, SCBA.		int coat, helmet with
Fire fighting equipment/instructions	In case of fire: Stop leak if safe to do so. Move containers from fire area if you can do so with risk. Cool containers exposed to heat with water spray and remove container, if no risk is inv. Containers should be cooled with water to prevent vapor pressure build up. For massive fire cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and I burn out.		er, if no risk is involved. For massive fire in
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials. N containers from fire area if you can do so without risk. In the event of fire and/or explosion do breathe fumes.		
General fire hazards	Extremely flammable aerosol.		
	6. Accidental Release Mea	sures	
Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep ou spill/leak. Wear appropriate protective equips damaged containers or spilled material unles inhalation of vapors or mists. Ventilate closed should be advised if significant spillages can	ment and clothing during clean s wearing appropriate protective d spaces before entering them.	up. Do not touch /e clothing. Avoid

Methods and materials for containment and cleaning up	Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Large Spills: Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Use water spray to reduce vapors or divert vapor cloud drift. Scoop up used absorbent into drums or other appropriate container. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
Environmental precautions	Never return spills to original containers for re-use. Avoid discharge into drains, water courses or onto the ground.
	7. Handling and Storage
Precautions for safe handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Avoid breathing mist or vapor. Avoid contact with skin. Avoid contact with eyes. Avoid prolonged exposure. Avoid contact with clothing. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Use personal protective equipment as required. When using, do not eat, drink or smoke. Wash hands thoroughly after handling.

Conditions for safe storage, including any incompatibilities Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Do not contaminate water, food or feed by storage or disposal. Store in a cool dry area. Always store pesticides in the original container. Store away from food and pet food.

8. Exposure Controls/Personal Protection

Components	Туре	Value	
Carbon dioxide (CAS 124-38-9)	PEL	9000 mg/m3	
		5000 ppm	
Isopropanol (CAS 67-63-0)	PEL	980 mg/m3	
		400 ppm	
US. ACGIH Threshold Limit Values	6		
Components	Туре	Value	
Carbon dioxide (CAS 124-38-9)	STEL	30000 ppm	
	TWA	5000 ppm	
Isopropanol (CAS 67-63-0)	STEL	400 ppm	
	TWA	200 ppm	
US. NIOSH: Pocket Guide to Chem	nical Hazards		
Components	Туре	Value	
Carbon dioxide (CAS 124-38-9)	STEL	54000 mg/m3	
		30000 ppm	
	TWA	9000 mg/m3	
		5000 ppm	
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)	TWA	100 mg/m3	
Isopropanol (CAS 67-63-0)	STEL	1225 mg/m3 500 ppm	
	TWA	980 mg/m3	
		400 ppm	

Biological limit values				
ACGIH Biological Exposure Components	e Indices Value	Determinant	Specimen	Sampling Time
Isopropanol (CAS 67-63-0)	40 mg/L	Acetone	Urine	*
* - For sampling details, plea	se see the source docu	ument.		
Exposure guidelines				
US NIOSH Pocket Guide to	Chemical Hazards: S	kin designation		
Cumene (CAS 98-82-8) US. OSHA Table Z-1 Limits	for Air Contaminants		absorbed throເ 0)	ugh the skin.
Cumene (CAS 98-82-8)		Can be a	absorbed throu	ugh the skin.
Appropriate engineering controls	should be matched or other engineering exposure limits have	to conditions. If appl g controls to maintain e not been establishe	icable, use pro n airborne leve ed, maintain ai	hour) should be used. Ventilation rates ocess enclosures, local exhaust ventilation, Is below recommended exposure limits. If irborne levels to an acceptable level.
Individual protection measures	· · ·		t	
Eye/face protection	Chemical goggles a	re recommended.		
Skin protection				
Hand protection	Wear appropriate cl	nemical resistant glo	ves.	
Other	Wear appropriate cl	nemical resistant clo	thing.	
Respiratory protection	Where exposure gu	ideline levels may be	e exceeded, us	se an approved NIOSH respirator.
Thermal hazards	Not applicable.			
General hygiene considerations	as washing after ha wash work clothing	ndling the material a	nd before eatin ment to remov	ve good personal hygiene measures, such ng, drinking, and/or smoking. Routinely ve contaminants. Contaminated work

9. Physical and Chemical Properties

Clear Liquid. Aerosol. Colorless Solvent
Aerosol. Colorless
Colorless
Solvent
Not available.
Not available.
Not available.
Not available.
Not available.
Not applicable.
sive limits
Not available.
Not available.
110-130 psi @ 70°F 150-170 psi @ 130°F
Not available.
Not available.
nsoluble
Not available.
Not available.
Not available.

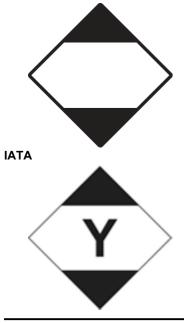
Other information				
Flame extension	15 in			
Flammability (flash back)	No			
Heat of combustion	45.3 kJ/g			
VOC	1.36 %			
	10. Stability and Re	activity		
eactivity	Strong oxidizing agents.			
ossibility of hazardous eactions	No dangerous reaction known under co	inditions of normal use.		
hemical stability	Material is stable under normal conditio	ins.		
conditions to avoid	Contact with incompatible materials.			
ncompatible materials	Strong oxidizing agents.			
azardous decomposition roducts	May include and are not limited to: Oxic	les of carbon.		
	11. Toxicological Infe	ormation		
nformation on likely routes of	exposure			
Inhalation	May be fatal if swallowed and enters air	rways.		
Skin contact	No adverse effects due to skin contact a	are expected.		
Eye contact	Direct contact with eyes may cause terr	nporary irritation.		
Ingestion	May be fatal if swallowed and enters air	rways.		
ymptoms related to the hysical, chemical and pxicological characteristics	•	adache, dizziness, tiredness, nausea and vomiting.		
•				
nformation on toxicological eff	fects			
nformation on toxicological eff		rwavs.		
cute toxicity	May be fatal if swallowed and enters air			
cute toxicity components	May be fatal if swallowed and enters air Species	Test Results		
cute toxicity components -Phenoxybenzyl-(1RS, 3RS; 1R;	May be fatal if swallowed and enters air Species			
cute toxicity components -Phenoxybenzyl-(1RS, 3RS; 1R: Acute	May be fatal if swallowed and enters air Species	Test Results		
cute toxicity components -Phenoxybenzyl-(1RS, 3RS; 1R;	May be fatal if swallowed and enters air Species	Test Results nyl) cyclopropanecarboxylate (CAS 26002-80-2)		
cute toxicity components -Phenoxybenzyl-(1RS, 3RS; 1R Acute Dermal	May be fatal if swallowed and enters air Species S, 3SR)-2,2-dimethyl-3-(2-methylprop-1-er Mouse	Test Results nyl) cyclopropanecarboxylate (CAS 26002-80-2) > 5000 mg/kg, HSDB		
cute toxicity components -Phenoxybenzyl-(1RS, 3RS; 1R Acute Dermal LD50	May be fatal if swallowed and enters air Species S, 3SR)-2,2-dimethyl-3-(2-methylprop-1-er	Test Results nyl) cyclopropanecarboxylate (CAS 26002-80-2)		
Acute toxicity components -Phenoxybenzyl-(1RS, 3RS; 1R Acute Dermal LD50 Inhalation	May be fatal if swallowed and enters air Species S, 3SR)-2,2-dimethyl-3-(2-methylprop-1-er Mouse Rat	Test Results nyl) cyclopropanecarboxylate (CAS 26002-80-2) > 5000 mg/kg, HSDB > 2000 mg/kg, HSDB		
Acute toxicity components -Phenoxybenzyl-(1RS, 3RS; 1R Acute Dermal LD50 Inhalation LC50	May be fatal if swallowed and enters air Species S, 3SR)-2,2-dimethyl-3-(2-methylprop-1-er Mouse	Test Results nyl) cyclopropanecarboxylate (CAS 26002-80-2) > 5000 mg/kg, HSDB		
Acute toxicity components -Phenoxybenzyl-(1RS, 3RS; 1R Acute Dermal LD50 Inhalation LC50 Oral	May be fatal if swallowed and enters air Species S, 3SR)-2,2-dimethyl-3-(2-methylprop-1-er Mouse Rat	Test Results nyl) cyclopropanecarboxylate (CAS 26002-80-2) > 5000 mg/kg, HSDB > 2000 mg/kg, HSDB > 3.8 mg/L, 4 Hours, HSDB		
Acute toxicity components -Phenoxybenzyl-(1RS, 3RS; 1R Acute Dermal LD50 Inhalation LC50	May be fatal if swallowed and enters air Species S, 3SR)-2,2-dimethyl-3-(2-methylprop-1-er Mouse Rat Rat Mouse	Test Results hyl) cyclopropanecarboxylate (CAS 26002-80-2) > 5000 mg/kg, HSDB > 2000 mg/kg, HSDB > 3.8 mg/L, 4 Hours, HSDB > 500 mg/kg, HSDB > 500 mg/kg, HSDB		
Acute toxicity components -Phenoxybenzyl-(1RS, 3RS; 1R Acute Dermal LD50 Inhalation LC50 Oral LD50	May be fatal if swallowed and enters air Species S, 3SR)-2,2-dimethyl-3-(2-methylprop-1-er <u>Mouse</u> Rat Rat	Test Results nyl) cyclopropanecarboxylate (CAS 26002-80-2) > 5000 mg/kg, HSDB > 2000 mg/kg, HSDB > 3.8 mg/L, 4 Hours, HSDB		
Acute toxicity components -Phenoxybenzyl-(1RS, 3RS; 1R: Acute Dermal LD50 Inhalation LC50 Oral LD50 Carbon dioxide (CAS 124-38-9)	May be fatal if swallowed and enters air Species S, 3SR)-2,2-dimethyl-3-(2-methylprop-1-er Mouse Rat Rat Mouse	Test Results hyl) cyclopropanecarboxylate (CAS 26002-80-2) > 5000 mg/kg, HSDB > 2000 mg/kg, HSDB > 3.8 mg/L, 4 Hours, HSDB > 500 mg/kg, HSDB > 500 mg/kg, HSDB		
Acute toxicity components -Phenoxybenzyl-(1RS, 3RS; 1R: Acute Dermal LD50 Inhalation LC50 Oral LD50 Carbon dioxide (CAS 124-38-9) Acute	May be fatal if swallowed and enters air Species S, 3SR)-2,2-dimethyl-3-(2-methylprop-1-er Mouse Rat Rat Mouse	Test Results hyl) cyclopropanecarboxylate (CAS 26002-80-2) > 5000 mg/kg, HSDB > 2000 mg/kg, HSDB > 3.8 mg/L, 4 Hours, HSDB > 500 mg/kg, HSDB > 500 mg/kg, HSDB		
Acute toxicity components -Phenoxybenzyl-(1RS, 3RS; 1R: Acute Dermal LD50 Inhalation LC50 Oral LD50 Carbon dioxide (CAS 124-38-9) Acute Dermal	May be fatal if swallowed and enters air Species S, 3SR)-2,2-dimethyl-3-(2-methylprop-1-er Mouse Rat Mouse Rat Additional and a statements of the s	Test Results hyl) cyclopropanecarboxylate (CAS 26002-80-2) > 5000 mg/kg, HSDB > 2000 mg/kg, HSDB > 3.8 mg/L, 4 Hours, HSDB > 500 mg/kg, HSDB > 500 mg/kg, HSDB		
Components -Phenoxybenzyl-(1RS, 3RS; 1R Acute Dermal LD50 Inhalation LC50 Oral LD50 Carbon dioxide (CAS 124-38-9) Acute Dermal LD50	May be fatal if swallowed and enters air Species S, 3SR)-2,2-dimethyl-3-(2-methylprop-1-er Mouse Rat Rat Mouse	Test Results hyl) cyclopropanecarboxylate (CAS 26002-80-2) > 5000 mg/kg, HSDB > 2000 mg/kg, HSDB > 3.8 mg/L, 4 Hours, HSDB > 500 mg/kg, HSDB > 500 mg/kg, HSDB		
Acute toxicity components -Phenoxybenzyl-(1RS, 3RS; 1R: Acute Dermal LD50	May be fatal if swallowed and enters air Species S, 3SR)-2,2-dimethyl-3-(2-methylprop-1-er Mouse Rat Mouse Rat Not available	Test Results hyl) cyclopropanecarboxylate (CAS 26002-80-2) > 5000 mg/kg, HSDB > 2000 mg/kg, HSDB > 3.8 mg/L, 4 Hours, HSDB > 500 mg/kg, HSDB > 500 mg/kg, HSDB		
Acute toxicity components -Phenoxybenzyl-(1RS, 3RS; 1R Acute Dermal LD50	May be fatal if swallowed and enters air Species S, 3SR)-2,2-dimethyl-3-(2-methylprop-1-er Mouse Rat Mouse Rat Additional and a statements of the s	Test Results hyl) cyclopropanecarboxylate (CAS 26002-80-2) > 5000 mg/kg, HSDB > 2000 mg/kg, HSDB > 3.8 mg/L, 4 Hours, HSDB > 500 mg/kg, HSDB > 500 mg/kg, HSDB		
Acute toxicity components -Phenoxybenzyl-(1RS, 3RS; 1R Acute Dermal LD50 Inhalation LC50 Oral LD50 Carbon dioxide (CAS 124-38-9) Acute Dermal LD50 Inhalation LC50 Oral Dermal Dormal	May be fatal if swallowed and enters air Species S, 3SR)-2,2-dimethyl-3-(2-methylprop-1-er Mouse Rat Mouse Rat Not available Not available	Test Results nyl) cyclopropanecarboxylate (CAS 26002-80-2) > 5000 mg/kg, HSDB > 2000 mg/kg, HSDB > 3.8 mg/L, 4 Hours, HSDB > 500 mg/kg, HSDB > 500 mg/kg, HSDB		
Acute toxicity components -Phenoxybenzyl-(1RS, 3RS; 1R: Acute Dermal LD50 Inhalation LC50 Oral LD50 Carbon dioxide (CAS 124-38-9) Acute Dermal LD50 Inhalation LC50 Oral LD50 Oral LD50 Carbon dioxide (CAS 124-38-9) Acute Dermal LD50 Carbon dioxide (CAS 124-38-9) Acute Dermal LD50	May be fatal if swallowed and enters air Species S, 3SR)-2,2-dimethyl-3-(2-methylprop-1-er Mouse Rat Mouse Rat Not available Not available Not available	Test Results hyl) cyclopropanecarboxylate (CAS 26002-80-2) > 5000 mg/kg, HSDB > 2000 mg/kg, HSDB > 3.8 mg/L, 4 Hours, HSDB > 500 mg/kg, HSDB > 500 mg/kg, HSDB		
Acute toxicity components -Phenoxybenzyl-(1RS, 3RS; 1R Acute Dermal LD50	May be fatal if swallowed and enters air Species S, 3SR)-2,2-dimethyl-3-(2-methylprop-1-er Mouse Rat Mouse Rat Not available Not available Not available	Test Results nyl) cyclopropanecarboxylate (CAS 26002-80-2) > 5000 mg/kg, HSDB > 2000 mg/kg, HSDB > 3.8 mg/L, 4 Hours, HSDB > 500 mg/kg, HSDB > 500 mg/kg, HSDB		
Acute toxicity components -Phenoxybenzyl-(1RS, 3RS; 1R Acute Dermal LD50	May be fatal if swallowed and enters air Species S, 3SR)-2,2-dimethyl-3-(2-methylprop-1-er Mouse Rat Mouse Rat Not available Not available Not available	Test Results nyl) cyclopropanecarboxylate (CAS 26002-80-2) > 5000 mg/kg, HSDB > 2000 mg/kg, HSDB > 3.8 mg/L, 4 Hours, HSDB > 500 mg/kg, HSDB > 500 mg/kg, HSDB		
Acute toxicity components -Phenoxybenzyl-(1RS, 3RS; 1R Acute Dermal LD50 Inhalation LC50 Oral LD50 Carbon dioxide (CAS 124-38-9) Acute Dermal LD50 Inhalation LC50 Oral LD50 Oral LD50 Oral LD50 Dermal LD50 Dermal LD50 Dermal LD50 Dermal LD50 Dermal LD50 Dermal LD50 Dermal LD50 Dermal LD50 Dermal LD50 Dermal LD50	May be fatal if swallowed and enters air Species S, 3SR)-2,2-dimethyl-3-(2-methylprop-1-er Mouse Rat Mouse Rat Not available Not available Not available otreated (CAS 64742-47-8)	Test Results hyl) cyclopropanecarboxylate (CAS 26002-80-2) > 5000 mg/kg, HSDB > 2000 mg/kg, HSDB > 3.8 mg/L, 4 Hours, HSDB > 500 mg/kg, HSDB > 500 mg/kg, HSDB > 500 mg/kg, HSDB		
Acute toxicity components -Phenoxybenzyl-(1RS, 3RS; 1R Acute Dermal LD50	May be fatal if swallowed and enters air Species S, 3SR)-2,2-dimethyl-3-(2-methylprop-1-er Mouse Rat Mouse Rat Not available Not available Not available	Test Results hyl) cyclopropanecarboxylate (CAS 26002-80-2) > 5000 mg/kg, HSDB > 2000 mg/kg, HSDB > 3.8 mg/L, 4 Hours, HSDB > 500 mg/kg, HSDB > 500 mg/kg, HSDB		
Acute toxicity components -Phenoxybenzyl-(1RS, 3RS; 1R Acute Dermal LD50	May be fatal if swallowed and enters air Species S, 3SR)-2,2-dimethyl-3-(2-methylprop-1-er Mouse Rat Mouse Rat Not available Not available Not available Not available otreated (CAS 64742-47-8) Rabbit	Test Results hyl) cyclopropanecarboxylate (CAS 26002-80-2) > 5000 mg/kg, HSDB > 2000 mg/kg, HSDB > 3.8 mg/L, 4 Hours, HSDB > 500 mg/kg, HSDB > 2000 mg/kg, HSDB		
Acute toxicity components -Phenoxybenzyl-(1RS, 3RS; 1R Acute Dermal LD50	May be fatal if swallowed and enters air Species S, 3SR)-2,2-dimethyl-3-(2-methylprop-1-er Mouse Rat Mouse Rat Not available Not available Not available otreated (CAS 64742-47-8)	Test Results hyl) cyclopropanecarboxylate (CAS 26002-80-2) > 5000 mg/kg, HSDB > 2000 mg/kg, HSDB > 3.8 mg/L, 4 Hours, HSDB > 500 mg/kg, HSDB > 500 mg/kg, HSDB > 500 mg/kg, HSDB		
Acute toxicity components -Phenoxybenzyl-(1RS, 3RS; 1R Acute Dermal LD50	May be fatal if swallowed and enters air Species S, 3SR)-2,2-dimethyl-3-(2-methylprop-1-er Mouse Rat Mouse Rat Not available Not available Not available Not available otreated (CAS 64742-47-8) Rabbit	Test Results hyl) cyclopropanecarboxylate (CAS 26002-80-2) > 5000 mg/kg, HSDB > 2000 mg/kg, HSDB > 3.8 mg/L, 4 Hours, HSDB > 500 mg/kg, HSDB > 2000 mg/kg, HSDB		

Components Isopropanol (CAS 67-63-0)	Species	Test Results	
,			
Acute Dermal			
LD50	Rabbit	13900 mg/kg, ECHA	
Inhalation	Rabbit		
LC50	Rat	> 10000 ppm, 6 Hours, ECHA	
		25000 mg/m³, 6 Hours, ECHA	
		16970 mg/l/4h, HMIRA	
Oral			
LD50	Rat	5840 mg/kg, ECHA	
Tetramethrin [(1-Cyclohexene-1,2-	dicarboximido) methyl 2,2-di	methyl -3-(2-methylpropenyl) cyclopropanecarboxylate] (CAS	
7696-12-0)			
Acute			
Dermal			
LD50	Mouse	> 1500 mg/kg, HSDB	
	Rat	> 1000 mg/kg, HSDB	
Inhalation	-		
LC50	Rat	> 2.7 mg/L, 3 Hours, HSDB	
Oral	AU		
LD50	Albino rat	> 4640 mg/kg, HSDB	
	Mouse	1040 mg/kg, HSDB	
Skin corrosion/irritation	Prolonged skin contact mag	y cause temporary irritation.	
Exposure minutes	Not available.		
Erythema value	Not available.		
Oedema value	Not available.		
Serious eye damage/eye irritation	Direct contact with eyes ma	ay cause temporary irritation.	
Corneal opacity value	Not available.		
Iris lesion value	Not available.		
Conjunctival reddening value	Not available.		
Conjunctival oedema value	Not available.		
Recover days	Not available.		
Respiratory or skin sensitization	1		
Respiratory sensitization	Not available.		
Skin sensitization	Not applicable.		
Germ cell mutagenicity	No data available to indicat mutagenic or genotoxic.	te product or any components present at greater than 0.1% are	
Carcinogenicity	This product is not conside	red to be a carcinogen by IARC, ACGIH, NTP or OSHA.	
ACGIH Carcinogens			
Isopropanol (CAS 67-63-0	,	A4 Not classifiable as a human carcinogen.	
California Proposition 65 - C	KI: LISTED Date/Carcinoge	nic substance	
Cumene (CAS 98-82-8) IARC Monographs. Overall E	Evaluation of Carcinogenic	-	
Cumene (CAS 98-82-8) Solvent naphtha (petroleum), light aromatic (CAS 64742-95-6)		Volume 101 - 2B Possibly carcinogenic to humans. Volume 47 - 3 Not classifiable as to carcinogenicity to humans	
OSHA Specifically Regulated Not regulated.	d Substances (29 CFR 1910	0.1001-1052)	
US. National Toxicology Pro	gram (NTP) Report on Car	-	
Cumene (CAS 98-82-8)		Reasonably Anticipated to be a Human Carcinogen.	
Reproductive toxicity	Not applicable.		
	Not applicable		
Specific target organ toxicity - single exposure Specific target organ toxicity -	Not applicable.		

Aspiration hazard	May be fata	al if swallowed and enters airways.	
Chronic effects	Prolonged inhalation may be harmful.		
Further information	Not available.		
		12. Ecological Information	
Ecotoxicity		et is extremely toxic to aquatic organisme ly to or near water.	s, including fish and invertebrates. Do not
Ecotoxicological data Components Distillates (petroleum), light hydro	otreated (CAS	Species 64742-47-8)	Test Results
Aquatic Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	2.9 mg/L, 96 hours
Isopropanol (CAS 67-63-0)			
Algae	IC50	Algae	1000 mg/L, 72 Hours
Crustacea	EC50	Daphnia	13299 mg/L, 48 Hours
Aquatic			
Fish	LC50	Bluegill (Lepomis macrochirus)	> 1400 mg/L, 96 hours
7696-12-0)	2-dicarboximid	o) methyl 2,2-dimethyl -3-(2-methylprop	enyl) cyclopropanecarboxylate] (CAS
Aquatic	1.050		0.005 0.40 mm// 00 h mm
Fish	LC50	Carp (Cyprinus carpio)	0.095 - 0.16 mg/L, 96 hours
Persistence and degradability		available on the degradability of this prod	duct.
Bioaccumulative potential	No data ava		
Partition coefficient n-octa Isopropanol Tetramethrin [(1-Cyclohexen	-	0.05	
2,2-dimethyl -3-(2-methylpro			
Mobility in soil	No data ava	ailable.	
Mobility in general	Not availab		
Other adverse effects	No other ac potential, e	lverse environmental effects (e.g. ozone ndocrine disruption, global warming pote	e depletion, photochemical ozone creation ential) are expected from this component.
		13. Disposal Considerations	
Disposal instructions	PESTICIDE or incinerat Consult aut into sewers local/region IF EMPTY:	e. horities before disposal. Contents under /water supplies. Dispose of contents/con al/national/international regulations.	o not reuse empty container. Do not puncture r pressure. Do not allow this material to drain
Local disposal regulations	Dispose in	accordance with all applicable regulation	IS.
Hazardous waste code	disposal co	mpany.	between the user, the producer and the waste
Waste from residues / unused products		idues. This material and its container m	npty containers or liners may retain some ust be disposed of in a safe manner (see:
Contaminated packaging	Since empt		vaste handling site for recycling or disposal. Ie, follow label warnings even after container is
		14. Transport Information	
General U.S. Department of Transporta	-	ated Marine Pollutant.	
Basic shipping requiremer			

Basic shipping requirements:UN numberUN1950Proper shipping nameAerosols, flammable, (each not exceeding 1 L capacity)Hazard classLimited Quantity - USMarine pollutantYes

IATA/ICAO (Air)	
Basic shipping requirements	s:
UN number	UN1950
Proper shipping name	Aerosols, flammable
Hazard class	Limited Quantity - IATA
IMDG (Marine Transport)	
Basic shipping requirements	5:
UN number	UN1950
Proper shipping name	AEROSOLS
Hazard class	Limited Quantity - IMDG
Marine pollutant	Yes
DOT; IMDG	



15. Regulatory Information

US federal regulations	This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.
	This is an EPA registered product. This material can only be used commercially in the EPA registered application(s) noted on the product label. EPA Reg. # 1021-1649-65516
	 PRECAUTIONARY STATEMENTS: HAZARDS TO HUMANS AND DOMESTIC ANIMALS. CAUTION: Harmful if absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. ENVIRONMENTAL HAZARDS: This pesticide is extremely toxic to aquatic organisms, including fish and aquatic invertebrates. Do not apply directly to water. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does no blow or wash pesticide off the treatment area. This product is highly toxic to bees exposed to direct treatment on blooming crops
	or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the area.
	PHYSICAL OR CHEMICAL HAZARDS: Flammable Contents under pressure. Keep away from heat, spark and open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting.
	It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

TSCA Section 12(b) Export	Notification (40 CFR 70)7. Subpt. D)		
Not regulated.				
CERCLA Hazardous Substa	ince List (40 CFR 302.4			
Cumene (CAS 98-82-8) Isopropanol (CAS 67-63-0)		Listed. Listed.		
SARA 304 Emergency relea	,			
Not regulated.				
OSHA Specifically Regulate	ed Substances (29 CFR	1910.1001-1052)		
Not regulated. Superfund Amendments and Re	authorization Act of 10			
SARA 302 Extremely	No	500 (SANA)		
hazardous substance				
Classified hazard categories	Flammable (gases, aerosols, liquids, or solids) Gas under pressure Aspiration hazard			
SARA 313 (TRI reporting)				
Chemical name		CAS number	% by wt.	
Isopropanol		67-63-0	5-10	
Other federal regulations				
Clean Air Act (CAA) Section	112 Hazardous Air Po	ollutants (HAPs) List		
Cumene (CAS 98-82-8) Clean Air Act (CAA) Sectior	n 112(r) Accidental Rele	ease Prevention (40 C	FR 68.130)	
Not regulated.		Υ.	,	
Safe Drinking Water Act (SDWA)	Not regulated.			
FEMA Priority Substand	ces Respiratory Health	and Safety in the Flav	vor Manufacturing Workplace	
Isopropanol (CAS 67	7-63-0)	Low priority		
Food and Drug Administration (FDA)	Not regulated.			
US state regulations				
US - Illinois Chemical Safet	y Act: Listed substance	9		
Cumene (CAS 98-82-8) Isopropanol (CAS 67-63-	0)			
US - Louisiana Spill Reporti	,			
Cumene (CAS 98-82-8)	•	Listed.		
Isopropanol (CAS 67-63-	,	Listed.		
US - Minnesota Haz Subs: L				
	Benzene, 1,2,3-trimethyl- (CAS 526-73-8) Benzene, 1,2,4-trimethyl- (CAS 95-63-6)		TRIMETHYLBENZENE TRIMETHYLBENZENE	
	Benzene, 1,3,5-trimethyl- (CAS 108-67-8)		TRIMETHYLBENZENE	
Carbon dioxide (CAS 124 Cumene (CAS 98-82-8)	Carbon dioxide (CAS 124-38-9)		CARBON DIOXIDE CUMENE	
Isopropanol (CAS 67-63-	Isopropanol (CAS 67-63-0)		ISOPROPYL ALCOHOL	
	Trimethylbenzene (CAS 25551-13-7) TRIMETHYLBENZENE US - Texas Effects Screening Levels Hazard Data: Simple asphyxiant			
Carbon dioxide (CAS 124	-	Simple asphyxiam		
		nent of Justice (Califo	rnia Health and Safety Code Section 11100)	
Not listed.				
US. Massachusetts RTK - S				
	Benzene, 1,2,3-trimethyl- (CAS 526-73-8) Benzene, 1,2,4-trimethyl- (CAS 95-63-6)			
Benzene, 1,3,5-trimethyl-	Benzene, 1,3,5-trimethyl- (CAS 108-67-8)			
	Carbon dioxide (CAS 124-38-9)			
	Cumene (CAS 98-82-8) Distillates (petroleum), light hydrotreated (CAS 64742-47-8)			
Isopropanol (CAS 67-63-	Isopropanol (CAS 67-63-0)			
	Trimethylbenzene (CAS 25551-13-7) US. New Jersey Worker and Community Right-to-Know Act			
•	3-Phenoxybenzyl-(1RS, 3RS; 1RS, 3SR)-2,2-dimethyl-3-(2-methylprop-1-enyl) cyclopropanecarboxylate (CAS 26002-80-2)			
Benzene, 1,2,3-trimethyl-	Benzene, 1,2,3-trimethyl- (CAS 526-73-8)			
	Benzene, 1,2,4-trimethyl- (CAS 95-63-6) Benzene, 1,3,5-trimethyl- (CAS 108-67-8)			
Carbon dioxide (CAS 124-38-9)				

Cumene (CAS 98-82-8) Distillates (petroleum), light hydrotreated (CAS 64742-47-8) Isopropanol (CAS 67-63-0) Tetramethrin [(1-Cyclohexene-1,2-dicarboximido) methyl 2,2-dimethyl -3-(2-methylpropenyl) cyclopropanecarboxylate] (CAS 7696-12-0) Trimethylbenzene (CAS 25551-13-7)

Trimethylbenzene (CAS 25551-13-7)

US. Pennsylvania Worker and Community Right-to-Know Law

Benzene, 1,2,3-trimethyl- (CAS 526-73-8) Benzene, 1,2,4-trimethyl- (CAS 95-63-6) Benzene, 1,3,5-trimethyl- (CAS 108-67-8) Carbon dioxide (CAS 124-38-9) Cumene (CAS 98-82-8) Distillates (petroleum), light hydrotreated (CAS 64742-47-8) Isopropanol (CAS 67-63-0) Trimethylbenzene (CAS 25551-13-7)

US. Rhode Island RTK

Benzene, 1,2,3-trimethyl- (CAS 526-73-8) Benzene, 1,2,4-trimethyl- (CAS 95-63-6) Benzene, 1,3,5-trimethyl- (CAS 108-67-8) Carbon dioxide (CAS 124-38-9) Cumene (CAS 98-82-8) Distillates (petroleum), light hydrotreated (CAS 64742-47-8) Isopropanol (CAS 67-63-0) Trimethylbenzene (CAS 25551-13-7)

California Proposition 65

United States & Puerto Rico



WARNING: This product can expose you to chemicals including Cumene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

California Proposition 65 - CRT: Listed date/Carcinogenic substance

Cumene (CAS 98-82-8)

Listed: April 6, 2010

Country(s) or region Inventory name

Toxic Substances Control Act (TSCA) Inventory

On inventory (yes/no)* No

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s)

16. Other Information			
LEGEND	HEALTH / 1		
Severe 4	FLAMMABILITY 3		
Serious3Moderate2	PHYSICAL HAZARD 0		
Slight 1 Minimal 0	PERSONAL X		
Disclaimer	The information in the sheet was written based on the best knowledge and experience currently available. Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.		
Issue date	28-August-2020		
Revision date	28-August-2020		
Version #	03		
Further information	For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.		
Prepared by	Nu-Calgon Technical Service Phone: (314) 469-7000		