# SAFETY DATA SHEET

## 1. Identification

1. Identification			
Product identifier	Maxx Kote Hayward Baker Yelle	w	
Other means of identification			
Product Code	8204, 9840, 8367		
Recommended use	Not available.		
Manufacturer/Importer/Supplier/	Distributor information		
Company name Address	Tifco Industries, Inc. PO Box 40277 Houston, TX 77240 United States		
Telephone	281-571-6000		
Emergency phone number	Chemtrec Phone	800-424-9300	
2. Hazard(s) identification			
Physical hazards	Flammable aerosols		Category 2
	Gases under pressure		Liquefied gas
Health hazards	Serious eye damage/eye irritation	on	Category 2A
	Germ cell mutagenicity		Category 1B
	Carcinogenicity		Category 1B
	Reproductive toxicity		Category 2
	Specific target organ toxicity, sin	ngle exposure	Category 3 narcotic effects
	Specific target organ toxicity, re exposure	peated	Category 1
Environmental hazards	Hazardous to the aquatic environ hazard	onment, acute	Category 3
	Hazardous to the aquatic enviro long-term hazard	onment,	Category 3
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Not classified.

OSHA defined hazards

Label elements



Signal word Danger Hazard statement Flammable aerosol. Contains gas under pressure; may explode if heated. Causes serious eye irritation. May cause drowsiness or dizziness. May cause genetic defects. May cause cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure. Harmful to aquatic life. Harmful to aquatic life with long lasting effects. **Precautionary statement** Prevention Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Do not breathe mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse Response cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. If eye irritation persists: Get medical advice/attention.

Storage	Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	84.51% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 84.51% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

## 3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
ACETONE		67-64-1	20 to <30
PROPANE		74-98-6	10 to <20
PROPYLENE GLYCOL METHYL ETHER ACETATE		108-65-6	10 to <20
BARIUM SULFATE		7727-43-7	5 to <10
N-BUTANE		106-97-8	5 to <10
2-PENTANONE		107-87-9	1 to <5
XYLENE		1330-20-7	1 to <5
4-Methyl-2-pentanone		108-10-1	0.1 to <1
ALIPHATIC SOLVENT MIXTURE		64741-41-9	0.1 to <1
ETHYLBENZENE		100-41-4	0.1 to <1
TITANIUM DIOXIDE		13463-67-7	0.1 to <1
Other components below reportable	elevels		20 to <30

\*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.
Skin contact	Rinse skin with water/shower. Get medical attention if irritation develops and persists.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion	Not likely, due to the form of the product. In the unlikely event of swallowing contact a physician or poison control center. Rinse mouth.
Most important symptoms/effects, acute and delayed	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Prolonged exposure may cause chronic effects.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.
5. Fire-fighting measures	
Suitable extinguishing media	Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO2).
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 flame. During fire, gases hazardous to health may be formed.
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Special protective equipment and precautions for firefighters

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Fire fighting equipment/instructions	In case of fire: Stop leak if safe to do so. Do not move cargo or vehicle if cargo has been exposed to heat. Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.
General fire hazards	Flammable aerosol. Contents under pressure. Pressurized container may explode when exposed to heat or flame.

## 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Emergency personnel need self-contained breathing equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Refer to attached safety data sheets and/or instructions for use. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Prevent product from entering drains. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. 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. For waste disposal, see section 13 of the SDS.
Environmental precautions	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.
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. Keep away from heat/sparks/open flames/hot surfaces No smoking. 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. Close valve after each use and when empty. Protect cylinders from physical damage; do not drag, roll, slide, or drop. When moving cylinders, even for short distances, use a cart (trolley, hand truck, etc.) designed to transport cylinders. Suck back of water into the container must be prevented. Do not allow backfeed into the container. Purge air from system before introducing gas. Use only properly specified equipment which is suitable for this product, its supply pressure and temperature. Contact your gas supplier if in doubt. Do not re-use empty containers. Do not breathe mist or vapor. Avoid contact with eyes. Avoid prolonged exposure. When using, do not eat, drink or smoke. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Level 2 Aerosol.
	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. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Cylinders should be stored upright, with valve protection cap in place, and firmly secured to prevent falling or being knocked over. Stored containers should be periodically checked for general condition and leakage. Store in a

## 8. Exposure controls/personal protection

### Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)				
Components	Туре	Value	Form	
2-PENTANONE (CAS 107-87-9)	PEL	700 mg/m3		

well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

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

Components	Type	Value	Form
		200 ppm	
-Methyl-2-pentanone (CAS 08-10-1)	PEL	410 mg/m3	
,		100 ppm	
CETONE (CAS 67-64-1)	PEL	2400 mg/m3	
		1000 ppm	
BARIUM SULFATE (CAS	PEL	5 mg/m3	Respirable fraction.
727-43-7)		5	
		15 mg/m3	Total dust.
THYLBENZENE (CAS	PEL	435 mg/m3	
00-41-4)		5	
		100 ppm	
PROPANE (CAS 74-98-6)	PEL	1800 mg/m3	
		1000 ppm	
TTANIUM DIOXIDE (CAS	PEL	15 mg/m3	Total dust.
3463-67-7)		io ing/ino	
(YLENE (CAS 1330-20-7)	PEL	435 mg/m3	
		100 ppm	
JS. ACGIH Threshold Limit Values			_
Components	Туре	Value	Form
PENTANONE (CAS 07-87-9)	STEL	150 ppm	
-Methyl-2-pentanone (CAS	STEL	75 nnm	
08-10-1)	STEL	75 ppm	
00-10-1)	TWA	20 ppm	
CETONE (CAS 67-64-1)	STEL	750 ppm	
	TWA	500 ppm	
BARIUM SULFATE (CAS	TWA	5 mg/m3	Inhalable fraction.
727-43-7)	<b>T</b> 10/0	00	
THYLBENZENE (CAS	TWA	20 ppm	
00-41-4)	OTE:	1000 ppm	
I-BUTANE (CAS 106-97-8)	STEL	1000 ppm	
TTANIUM DIOXIDE (CAS	TWA	10 mg/m3	
3463-67-7)		150 mmm	
(YLENE (CAS 1330-20-7)	STEL	150 ppm	
	TWA	100 ppm	
JS. NIOSH: Pocket Guide to Chem	nical Hazards		
Components	Туре	Value	Form
-PENTANONE (CAS	TWA	530 mg/m3	
07-87-9)		·	
		150 ppm	
-Methyl-2-pentanone (CAS	STEL	300 mg/m3	
08-10-1)		-	
		75 ppm	
	TWA	205 mg/m3	
		50 ppm	
CETONE (CAS 67-64-1)	TWA	590 mg/m3	
		250 ppm	
BARIUM SULFATE (CAS	TWA	5 mg/m3	Respirable.
727-43-7)		o mg/mo	nespiravie.
,		10 mg/m3	Total
THYLBENZENE (CAS	STEL	545 mg/m3	i otai
00-41-4)	JILL	0 <del>4</del> 0 mg/mo	
		125 ppm	
	TWA	435 mg/m3	
	IVVA	-	
		100 ppm	

US. NIOSH: Pocket Guide t Components	to Chemical Hazards Type		Va	lue	Form
N-BUTANE (CAS 106-97-8)	TWA		190	00 mg/m3	
				) ppm	
PROPANE (CAS 74-98-6)	TWA			00 mg/m3 00 ppm	
US. Workplace Environme	ntal Exposure Level (\	WFFL ) Guides	100	oo ppin	
Components	Туре		Va	lue	
PROPYLENE GLYCOL METHYL ETHER ACETATE (CAS 108-65-6)	TWA		50	ppm	
Biological limit values					
ACGIH Biological Exposure		_			-
Components	Value	Determinant	Specimen	Sampling T	ime
4-Methyl-2-pentanone (CAS 108-10-1)		Methyl isobutyl ketone	Urine	*	
· · · · · · · · · · · · · · · · · · ·	50 mg/l	Acetone	Urine	*	
ETHYLBENZENE (CAS 100-41-4)	0.15 g/g	Sum of mandelic acid and phenylglyoxylic	Creatinine in urine	*	
XYLENE (CAS 1330-20-7)	1.5 g/g	acid Methylhippuric	Creatinine in	*	
		acids	urine		
* - For sampling details, plea	se see the source docu	ument.			
Exposure guidelines					
US - California OELs: Skin	-				
PROPYLENE GLYCOL (CAS 108-65-6)	METHYL ETHER ACE	TATE Can be	absorbed through	gn the skin.	
Appropriate engineering controls	should be matched to or other engineering	to conditions. If app controls to maintai	licable, use proo	cess enclosure s below recom	e used. Ventilation rates es, local exhaust ventilation, mended exposure limits. If o an acceptable level. Provide
Individual protection measures	, such as personal pr	otective equipmer	nt		
Eye/face protection	Wear safety glasses	s with side shields (	or goggles).		
Skin protection Hand protection	For prolonged or rep	peated skin contact	use suitable pro	otective gloves	
Other	Wear suitable protect		·	0	
Respiratory protection	In case of insufficier	-	suitable respirat	orv equipment	
Thermal hazards	Wear appropriate th		-	• • • •	
General hygiene considerations	personal hygiene me	easures, such as w	ashing after han	Idling the mate	moke. Always observe good rial and before eating, e equipment to remove
9. Physical and chemical	properties				
Appearance	· •				
Physical state	Liquid.				

Physical state	Liquid.
Form	Aerosol. Liquefied gas.
Color	Not available.
Odor	Not available.
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	-305.68 °F (-187.6 °C) estimated

Initial boiling point and boiling range	-43.78 °F (-42.1 °C) estimated
Flash point	-156.0 °F (-104.4 °C) estimated
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or exp	losive limits
Flammability limit - lower (%)	1.9 % estimated
Flammability limit - upper (%)	12.8 % estimated
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	2468.2 hPa estimated
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	550 °F (287.78 °C) estimated
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	7.00 lbs/gal
Explosive properties	Not explosive.
Flammability class	Flammable IA estimated
Heat of combustion (NFPA 30B)	23.22 kJ/g estimated
Oxidizing properties	Not oxidizing.
Percent volatile	69.83
Specific gravity	0.84
VOC	4.24 lbs/gal Regulatory 3.06 lbs/gal Material 508.05 g/l Regulatory 367.02 g/l Material
10. Stability and reactivity	
Reactivity	The product is stable and non-reactive under normal conditions of use, storage and tran
Chemical stability	Material is stable under normal conditions.

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	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Heat. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong acids. Acids. Strong oxidizing agents. Nitrates. Aluminum. Halogens. Phosphorus. Fluorine. Chlorine.
Hazardous decomposition products	No hazardous decomposition products are known.

## 11. Toxicological information

## Information on likely routes of exposure

Inhalation	May cause damage to organs through prolonged or repeated exposure by inhalation. May cause drowsiness and dizziness. Headache. Nausea, vomiting.
Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Causes serious eye irritation.
Ingestion	Expected to be a low ingestion hazard.

Material name: HB Yellow 8204

May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

## Information on toxicological effects

Acute toxicity	Narcotic effects.	
Components	Species	Test Results
2-PENTANONE (CAS 107	-87-9)	
Acute		
Oral		
LD50	Rat	3.73 g/kg
4-Methyl-2-pentanone (CA	S 108-10-1)	
<u>Acute</u>		
Dermal		
LD50	Rabbit	> 16000 mg/kg
Inhalation	_	
LC50	Rat	8.2 mg/l, 4 Hours
Oral		
LD50	Rat	2080 mg/kg
ACETONE (CAS 67-64-1)		
Acute		
Dermal		
LD50	Rabbit	> 15800 mg/kg
Inhalation		
LC50	Rat	76 mg/l, 4 Hours
Oral		
LD50	Mouse	3000 mg/kg
	Rat	5800 mg/kg
ETHYLBENZENE (CAS 10	00-41-4)	
Acute		
Dermal		17000 //
LD50	Rabbit	17800 mg/kg
Oral		
LD50	Rat	3500 mg/kg
N-BUTANE (CAS 106-97-8	8)	
<u>Acute</u>		
Inhalation LC50	Mouse	680 mg/l, 2 Hours
2030		-
	Rat	658 mg/l, 4 Hours
PROPANE (CAS 74-98-6)		
<u>Acute</u> Inhalation		
LC50	Rat	> 1442.847 mg/l, 15 Minutes
XYLENE (CAS 1330-20-7) <u>Acute</u>		
Dermal		
LD50	Rabbit	> 43 g/kg
Inhalation		·· 3/3
LC50	Mouse	3907 mg/l, 6 Hours
2000	Rat	6350 mg/l, 4 Hours
0	ivat	0000 mg/i, 4 110015
<b>Oral</b> LD50	Mouse	1590 mg/kg
	WOUSE	1090 HIY/KY

Components	Species	Test Results	
	Rat	3523 - 8600 mg/kg	
* Estimates for product may b	be based on additional compone	ent data not shown.	
Skin corrosion/irritation	Prolonged skin contact may	cause temporary irritation.	
Serious eye damage/eye irritation	Causes serious eye irritation		
Respiratory or skin sensitizatio	n		
<b>Respiratory sensitization</b>	Not a respiratory sensitizer.		
Skin sensitization	This product is not expected	to cause skin sensitization.	
Germ cell mutagenicity	May cause genetic defects.		
Carcinogenicity	May cause cancer.		
IARC Monographs. Overall	Evaluation of Carcinogenicity	1	
4-Methyl-2-pentanone (CAS 108-10-1)2B Possibly carcinogenic to humans.ETHYLBENZENE (CAS 100-41-4)2B Possibly carcinogenic to humans.TITANIUM DIOXIDE (CAS 13463-67-7)2B Possibly carcinogenic to humans.XYLENE (CAS 1330-20-7)3 Not classifiable as to carcinogenicity to humans.OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)		2B Possibly carcinogenic to humans. 2B Possibly carcinogenic to humans. 3 Not classifiable as to carcinogenicity to humans.	
Not regulated.	•		
US. National Toxicology Pr	ogram (NTP) Report on Carci	nogens	
Not listed.			
Reproductive toxicity		have been shown to cause birth defects and reproductive disorders in ed of damaging fertility or the unborn child.	
Specific target organ toxicity - single exposure	May cause drowsiness and dizziness.		
Specific target organ toxicity - repeated exposure	Causes damage to organs the	rough prolonged or repeated exposure.	
Aspiration hazard	Not an aspiration hazard.		
Chronic effects	Causes damage to organs the harmful. Prolonged exposure	rough prolonged or repeated exposure. Prolonged inhalation may be may cause chronic effects.	

## 12. Ecological information

toxicity	Harmful to	aquatic life with long lasting effects.	
Components		Species	Test Results
2-PENTANONE (CAS	\$ 107-87-9)		
Aquatic			
Fish	LC50	Fathead minnow (Pimephales promelas)	1190 - 1290 mg/l, 96 hours
4-Methyl-2-pentanone	e (CAS 108-10-1)		
Aquatic			
Fish	LC50	Fathead minnow (Pimephales promelas)	492 - 593 mg/l, 96 hours
ACETONE (CAS 67-6	64-1)		
Aquatic			
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
BARIUM SULFATE (0	CAS 7727-43-7)		
Aquatic			
Crustacea	EC50	Tubificid worm (Tubifex tubifex)	28.61 - 38.03 mg/l, 48 hours
ETHYLBENZENE (CA	AS 100-41-4)		
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	1.37 - 4.4 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	7.5 - 11 mg/l, 96 hours

Components		Species	Test Results
TITANIUM DIOXIDE (	CAS 13463-67-7)		
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	> 1000 mg/l, 48 hours
Fish	LC50	Mummichog (Fundulus heteroclitus)	> 1000 mg/l, 96 hours
XYLENE (CAS 1330-2	20-7)		
Aquatic			
Fish	LC50	Bluegill (Lepomis macrochirus)	7.711 - 9.591 mg/l, 96 hours

\* Estimates for product may be based on additional component data not shown.

Persistence and degradability No data is available on the degradability of this product.

### **Bioaccumulative potential**

Partition coefficient n-octand	ol / water (log Kow)	
2-PENTANONE		0.91
4-Methyl-2-pentanone		1.31
ACETONE		-0.24
ETHYLBENZENE		3.15
N-BUTANE		2.89
PROPANE		2.36
XYLENE		3.12 - 3.2
Mobility in soil	No data available.	

Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	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.
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 container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

### 14. Transport information

DOT	
UN number	UN1950
UN proper shipping name	UN1950, Aerosols, Flammable
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Label(s)	2.1
Packing group	Not applicable.
Special precautions for user	<sup>r</sup> Read safety instructions, SDS and emergency procedures before handling.
Special provisions	N82
Packaging exceptions	306
Packaging non bulk	None
Packaging bulk	None
ΙΑΤΑ	
UN number	UN1950
UN proper shipping name	Aerosols, Flammable
Transport hazard class(es)	
Class	2.1

Subsidiary risk	-
Label(s)	2.1 Nationalizable
Packing group	Not applicable.
Environmental hazards	No.
	Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo aircraft	Allowed.
Cargo aircraft only	Allowed.
IMDG	
UN number	UN1950
UN proper shipping name	Aerosols, Flammable
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Label(s)	2.1
Packing group	Not applicable.
Environmental hazards	
Marine pollutant	No.
EmS	Not available.
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Transport in bulk according to	Not established.
Annex II of MARPOL 73/78 and	
the IBC Code	

#### DOT



**General information** 

Avoid transport on vehicles where the load space is not separated from the driver's compartment. Ensure vehicle driver is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency. Before transporting product containers: Ensure that containers are firmly secured. Ensure cylinder valve is closed and not leaking. Ensure valve outlet cap nut or plug (where provided) is correctly fitted. Ensure valve protection device (where provided) is correctly fitted. Ensure adequate ventilation. Ensure compliance with applicable regulations.

### 15. Regulatory information

### **US** federal regulations

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

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

Not regulated.

CERCLA Hazardous Substa				
2-PENTANONE (CAS 10		Listed.		
4-Methyl-2-pentanone (C		Listed.		
ACETONE (CAS 67-64-1		Listed.		
BARIUM SULFATE (CAS		Listed.		
ETHYLBENZENE (CAS		Listed.		
N-BUTANE (CAS 106-97		Listed.		
PROPANE (CAS 74-98-6		Listed.		
XYLENE (CAS 1330-20- SARA 304 Emergency relea		Listed.		
• •	senouncation			
Not regulated.	d Substances (20 CED 4040	4004 4050)		
OSHA Specifically Regulate	ed Substances (29 CFR 1910	.1001-1050)		
Not regulated.				
Superfund Amendments and Re Hazard categories	Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No	SARA)		
SARA 302 Extremely hazar	dous substance			
Not listed.				
SARA 311/312 Hazardous chemical	No			
SARA 313 (TRI reporting)				
Chemical name		CAS number	% by wt.	
XYLENE		1330-20-7	1 to <5	
4-Methyl-2-pentanone		108-10-1	0.1 to <1	
ETHYLBENZENE		100-41-4	0.1 to <1	
ETHYLBENZENE (CAS XYLENE (CAS 1330-20- Clean Air Act (CAA) Sectior N-BUTANE (CAS 106-97	7) n 112(r) Accidental Release	Prevention (40 CFR	68.130)	
PROPANE (CAS 74-98-6	5)			
Safe Drinking Water Act (SDWA)	Not regulated.			
Drug Enforcement Adm Chemical Code Numbe	ninistration (DEA). List 2, Es r	sential Chemicals (	21 CFR 1310.02(b) and	1310.04(f)(2) and
4-Methyl-2-pentanor		6715		
ACETONE (CAS 67		6532		
Drug Enforcement Adm	ninistration (DEA). List 1 & 2	Exempt Chemical	Mixtures (21 CFR 1310.	.12(c))
4-Methyl-2-pentanor	ne (CAS 108-10-1)	35 %WV		
ACETONE (CAS 67		35 %WV		
DEA Exempt Chemical	Mixtures Code Number			
4-Methyl-2-pentanor ACETONE (CAS 67		6715 6532		
FEMA Priority Substan	ces Respiratory Health and	Safety in the Flavor	Manufacturing Workp	lace
2-PENTANONE (CA 4-Methyl-2-pentanor ACETONE (CAS 67	ne (CAS 108-10-1)	Low priority Low priority Low priority		
IS state regulations	י דע			
US. California Controlled St	ubstances CA Denortment	of Justice (Californi	a Hoalth and Sofaty Co	do Soction 11100
Not listed.	abstances. CA Department		a nearth and Salety Co	
US. California. Candidate C (a))	hemicals List. Safer Consur	ner Products Regul	ations (Cal. Code Regs	s, tit. 22, 69502.3, sub
	AS 108-10-1)			
4-Methyl-2-pentanone (C	AS 100-10-1)			

4-Methyl-2-pentanone (CAS 108-10-1) ACETONE (CAS 67-64-1) ALIPHATIC SOLVENT MIXTURE (CAS 64741-41-9) ETHYLBENZENE (CAS 100-41-4) N-BUTANE (CAS 106-97-8) TITANIUM DIOXIDE (CAS 13463-67-7) XYLENE (CAS 1330-20-7)

### US. Massachusetts RTK - Substance List

2-PENTANONE (CAS 107-87-9) 4-Methyl-2-pentanone (CAS 108-10-1) ACETONE (CAS 67-64-1) BARIUM SULFATE (CAS 7727-43-7) ETHYLBENZENE (CAS 100-41-4) N-BUTANE (CAS 106-97-8) PROPANE (CAS 74-98-6) TITANIUM DIOXIDE (CAS 13463-67-7) XYLENE (CAS 1330-20-7)

#### US. New Jersey Worker and Community Right-to-Know Act

2-PENTANONE (CAS 107-87-9) 4-Methyl-2-pentanone (CAS 108-10-1) ACETONE (CAS 67-64-1) BARIUM SULFATE (CAS 7727-43-7) ETHYLBENZENE (CAS 100-41-4) N-BUTANE (CAS 106-97-8) PROPANE (CAS 74-98-6) TITANIUM DIOXIDE (CAS 13463-67-7) XYLENE (CAS 1330-20-7)

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

2-PENTANONE (CAS 107-87-9) 4-Methyl-2-pentanone (CAS 108-10-1) ACETONE (CAS 67-64-1) BARIUM SULFATE (CAS 7727-43-7) ETHYLBENZENE (CAS 100-41-4) N-BUTANE (CAS 106-97-8) PROPANE (CAS 74-98-6) TITANIUM DIOXIDE (CAS 13463-67-7) XYLENE (CAS 1330-20-7)

### US. Rhode Island RTK

4-Methyl-2-pentanone (CAS 108-10-1) ACETONE (CAS 67-64-1) ETHYLBENZENE (CAS 100-41-4) N-BUTANE (CAS 106-97-8) PROPANE (CAS 74-98-6) XYLENE (CAS 1330-20-7)

#### **US. California Proposition 65**

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

#### US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

4-Methyl-2-pentanone (CAS 108-10-1)	Listed: November 4, 2011
ETHYLBENZENE (CAS 100-41-4)	Listed: June 11, 2004
SILICA, CRYSTALLINE QUARTZ (CAS 14808-60-7)	Listed: October 1, 1988
TITANIUM DIOXIDE (CAS 13463-67-7)	Listed: September 2, 2011

#### US - California Proposition 65 - CRT: Listed date/Developmental toxin 4-Methyl-2-pentanone (CAS 108-10-1) Listed: March 28, 2014

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No

Material name: HB Yellow 8204

Country(s) or region	Inventory name	On inventory (yes/no)*
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

\*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	01-29-2016
Revision date	11-11-2019
Version #	03
HMIS® ratings	Health: 2* Flammability: 3 Physical hazard: 0
NFPA ratings	Health: 2 Flammability: 3 Instability: 0
Disclaimer	The information in the sheet was written based on the best knowledge and experience currently available. THE INFORMATION CONTAINED HEREIN IS BASED ON DATA BELIEVED TO BE RELIABLE AND THE MANUFACTURER DISCLAIMS ANY LIABILITY INCURRED FROM THE USE OR RELIANCE UPON THE SAME. 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. This safety information is not a license to use this material as claimed by any patents of third parties. The user alone must finally determine whether a contemplated use of this material will infringe any such patents, and for obtaining any required licenses.
Revision information	Regulatory information: California Prop 65