SAFETY DATA SHEET

1. Identification

Product identifier	3X HIGH SOLIDS SINGLE COAT PAINT - FLAT BLACK		
Company information	DirectLine Industries P.O. Box 15133 ST LOUIS, MO 63110 United States		
Company phone	866-773-6136		
Emergency telephone US	888-255-3924 (CHEM-TEL)		
Version #	01		
Recommended use	COATING		
Recommended restrictions	None known.		
2. Hazard(s) identification			
Physical hazards	Flammable aerosols	Category 1	
Health hazards	Serious eye damage/eye irritation	Category 2A	
	_	_	

nealth nazalus		Senous eye damage/eye imation	Calegory ZA
		Carcinogenicity	Category 2
		Specific target organ toxicity, single exposure	Category 3 narcotic effects
Environmental h	azards	Not classified.	
OSHA defined ha	azards	Not classified.	
Label elements			

	• • •
Signal word	Danger
Hazard statement	Extremely flammable aerosol. Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of causing cancer.
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. Avoid breathing gas. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.
Response	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. 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. 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	None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Acetone		67-64-1	20 - 40

Chemical name	Common name and synonyms	CAS number	%
Calcium Carbonate		1317-65-3	10 - 20
Propane		74-98-6	10 - 20
Butane		106-97-8	2.5 - 10
Ethylene Glycol Propyl Ether		2807-30-9	2.5 - 10
Methyl Isobutyl Ketone		108-10-1	2.5 - 10
Methyl Propyl Ketone		107-87-9	2.5 - 10
Propylene Glycol Monomethyl Ether Acetate		108-65-6	2.5 - 10
Solvent Naphtha (petroleum), Light Aliph.		64742-89-8	2.5 - 10
Isobutyl Acetate		110-19-0	1 - 2.5
Carbon Black		1333-86-4	0.1 - 1
Other components below reportable leve	els		10 - 20

*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	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye contact	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
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.
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. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media	Powder. Alcohol resistant foam. 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.
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	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	Extremely flammable aerosol.

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. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing gas. 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. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. 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. Prevent entry into waterways, sewer, basements or confined areas. For waste disposal, see section 13 of the SDS.

Environmental precautions	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. 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. Do not re-use empty containers. Avoid breathing gas. Avoid contact with eyes. Avoid prolonged exposure. Use only in well-ventilated areas. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Level 1 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. Refrigeration recommended. Store away from incompatible materials (see Section 10 of the SDS). Level 1 Aerosol (NFPA 30B)

8. Exposure controls/personal protection

Occupational exposure limits

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

Туре	Value	Form
PEL	2400 mg/m3	
	1000 ppm	
PEL	5 mg/m3	Respirable fraction.
	15 mg/m3	Total dust.
PEL	3.5 mg/m3	
PEL	700 mg/m3	
	150 ppm	
PEL	410 mg/m3	
	100 ppm	
PEL	700 mg/m3	
	200 ppm	
PEL	1800 mg/m3	
	1000 ppm	
Туре	Value	
TWA	400 ppm	
_		_
Туре	Value	Form
STEL	750 ppm	
TWA	500 ppm	
STEL	1000 ppm	
TWA		Inhalable fraction.
	0	
TWA	150 ppm	
TWA STEL	150 ppm 75 ppm	
	PEL PEL PEL PEL PEL PEL PEL PEL Type TWA TWA STEL TWA STEL TWA	Type Value PEL 2400 mg/m3 1000 ppm PEL 5 mg/m3 PEL 3.5 mg/m3 PEL 700 mg/m3 PEL 200 ppm PEL 200 ppm PEL 200 ppm PEL 200 ppm TWA 200 ppm Type Value TWA 400 ppm TWA 500 ppm TWA 500 ppm TWA 500 ppm TWA 3 mg/m3

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Туре		Va	alue	Form
Acetone (CAS 67-64-1)	TWA			90 mg/m3 50 ppm	
Butane (CAS 106-97-8)	TWA		19	900 mg/m3 00 ppm	
Calcium Carbonate (CAS 1317-65-3)	TWA			mg/m3	Respirable.
Carbon Black (CAS	TWA) mg/m3 1 mg/m3	Total
1333-86-4) Isobutyl Acetate (CAS	TWA		70	00 mg/m3	
110-19-0) Methyl Isobutyl Ketone	STEL			50 ppm)0 mg/m3	
(CAS 108-10-1)				-	
	TWA			5 ppm)5 mg/m3	
	IWA) ppm	
Methyl Propyl Ketone (CAS	TWA			30 mg/m3	
107-87-9)			4.1	-0	
	TWA			50 ppm	
Propane (CAS 74-98-6)	IVVA			300 mg/m3 000 ppm	
US. Workplace Environmer	ntal Exposure Level (V	VEEL) Guides			
Components	Туре	,	Va	alue	
Propylene Glycol Monomethyl Ether Acetate	TWA		50) ppm	
(CAS 100-00-0)					
(CAS 108-65-6) logical limit values					
logical limit values	e Indices				
logical limit values ACGIH Biological Exposure Components	Value	Determinant	Specimen	Sampling 1	ſime
logical limit values ACGIH Biological Exposure Components Acetone (CAS 67-64-1)		Determinant Acetone Methyl isobutyl ketone	Specimen Urine Urine	Sampling T * *	Гіme
ACGIH Biological Exposure Components Acetone (CAS 67-64-1) Methyl Isobutyl Ketone	Value 50 mg/l 1 mg/l	Acetone Methyl isobutyl ketone	Urine	*	ſime
ACGIH Biological Exposure Components Acetone (CAS 67-64-1) Methyl Isobutyl Ketone (CAS 108-10-1)	Value 50 mg/l 1 mg/l	Acetone Methyl isobutyl ketone	Urine	*	ſime
ACGIH Biological Exposure Components Acetone (CAS 67-64-1) Methyl Isobutyl Ketone (CAS 108-10-1) * - For sampling details, pleas	Value 50 mg/l 1 mg/l se see the source docu	Acetone Methyl isobutyl ketone	Urine	*	ſime
ACGIH Biological Exposure Components Acetone (CAS 67-64-1) Methyl Isobutyl Ketone (CAS 108-10-1) * - For sampling details, pleas	Value 50 mg/l 1 mg/l se see the source docu designation	Acetone Methyl isobutyl ketone ment.	Urine	*	ſime
ACGIH Biological Exposure Components Acetone (CAS 67-64-1) Methyl Isobutyl Ketone (CAS 108-10-1) * - For sampling details, pleas posure guidelines US - California OELs: Skin Propylene Glycol Monor	Value 50 mg/l 1 mg/l se see the source docu designation nethyl Ether Acetate (C Good general ventila should be matched to or other engineering	Acetone Methyl isobutyl ketone ment. AS Can be ation (typically 10 a to conditions. If app controls to mainta	Urine Urine e absorbed throu air changes per blicable, use pro in airborne leve	* * hour) should bocess enclosure ls below recom	Fime e used. Ventilation rates es, local exhaust ventilation, mended exposure limits. If o an acceptable level. Provid
ACGIH Biological Exposure Components Acetone (CAS 67-64-1) Methyl Isobutyl Ketone (CAS 108-10-1) * - For sampling details, pleas oosure guidelines US - California OELs: Skin of Propylene Glycol Monor 108-65-6)	Value 50 mg/l 1 mg/l se see the source docu designation methyl Ether Acetate (C Good general ventila should be matched to or other engineering exposure limits have eyewash station.	Acetone Methyl isobutyl ketone ment. AS Can be ation (typically 10 a to conditions. If app controls to mainta e not been establish otective equipmen	Urine Urine absorbed throu air changes per blicable, use pro in airborne leve ned, maintain ai	* * hour) should bocess enclosure ls below recom	e used. Ventilation rates es, local exhaust ventilation, imended exposure limits. If
ACGIH Biological Exposure Components Acetone (CAS 67-64-1) Methyl Isobutyl Ketone (CAS 108-10-1) * - For sampling details, pleas osure guidelines US - California OELs: Skin of Propylene Glycol Monor 108-65-6) propriate engineering ntrols	Value 50 mg/l 1 mg/l se see the source docu designation nethyl Ether Acetate (C Good general ventila should be matched to or other engineering exposure limits have eyewash station. s, such as personal pro-	Acetone Methyl isobutyl ketone ment. AS Can be ation (typically 10 a to conditions. If app controls to mainta a not been establish Diffective equipmen is with side shields (Urine Urine absorbed throu air changes per blicable, use pro in airborne leve ned, maintain ai nt for goggles).	* * hour) should bocess enclosure ls below recom	e used. Ventilation rates es, local exhaust ventilation, imended exposure limits. If
ACGIH Biological Exposure Components Acetone (CAS 67-64-1) Methyl Isobutyl Ketone (CAS 108-10-1) * - For sampling details, pleas oosure guidelines US - California OELs: Skin of Propylene Glycol Monor 108-65-6) propriate engineering htrols	Value 50 mg/l 1 mg/l se see the source docu designation nethyl Ether Acetate (C Good general ventila should be matched to or other engineering exposure limits have eyewash station. s, such as personal pro- Wear safety glasses	Acetone Methyl isobutyl ketone ment. AS Can be ation (typically 10 a to conditions. If app controls to mainta a not been establish Diffective equipmen is with side shields (Urine Urine absorbed throu air changes per blicable, use pro in airborne leve ned, maintain ai nt for goggles).	* * hour) should bocess enclosure ls below recom	e used. Ventilation rates es, local exhaust ventilation, imended exposure limits. If
ACGIH Biological Exposure Components Acetone (CAS 67-64-1) Methyl Isobutyl Ketone (CAS 108-10-1) * - For sampling details, pleas osure guidelines US - California OELs: Skin of Propylene Glycol Monor 108-65-6) propriate engineering ntrols	Value 50 mg/l 1 mg/l se see the source docu designation nethyl Ether Acetate (C Good general ventila should be matched to or other engineering exposure limits have eyewash station. s, such as personal pro- Wear safety glasses	Acetone Methyl isobutyl ketone ment. AS Can be ation (typically 10 a to conditions. If app controls to mainta a not been establish Detective equipmen with side shields (memical resistant gl	Urine Urine absorbed throu air changes per blicable, use pro in airborne leve ned, maintain ai nt for goggles). oves.	* * hour) should b cess enclosure ls below recom rborne levels to	e used. Ventilation rates es, local exhaust ventilation, mended exposure limits. If o an acceptable level. Provid
ACGIH Biological Exposure Components Acetone (CAS 67-64-1) Methyl Isobutyl Ketone (CAS 108-10-1) * - For sampling details, please oosure guidelines US - California OELs: Skin of Propylene Glycol Monor 108-65-6) oropriate engineering htrols ividual protection measures Eye/face protection Hand protection	Value 50 mg/l 1 mg/l se see the source docu designation nethyl Ether Acetate (C Good general ventila should be matched for or other engineering exposure limits have eyewash station. , such as personal pro Wear safety glasses Wear appropriate ch	Acetone Methyl isobutyl ketone ment. AS Can be ation (typically 10 a to conditions. If app controls to mainta a not been establish Detective equipmen with side shields (memical resistant gl	Urine Urine absorbed throu air changes per blicable, use pro in airborne leve ned, maintain ai nt for goggles). oves.	* * hour) should b cess enclosure ls below recom rborne levels to	e used. Ventilation rates es, local exhaust ventilation, mended exposure limits. If o an acceptable level. Provid
ACGIH Biological Exposure Components Acetone (CAS 67-64-1) Methyl Isobutyl Ketone (CAS 108-10-1) * - For sampling details, please osure guidelines US - California OELs: Skin of Propylene Glycol Monor 108-65-6) oropriate engineering netrols ividual protection measures Eye/face protection Hand protection Skin protection Other	Value 50 mg/l 1 mg/l se see the source docu designation nethyl Ether Acetate (C Good general ventila should be matched for or other engineering exposure limits have eyewash station. , such as personal proc Wear safety glasses Wear appropriate ch Wear suitable protee	Acetone Methyl isobutyl ketone ment. AS Can be ation (typically 10 a to conditions. If app controls to mainta a not been establish Detective equipmen with side shields (memical resistant gl ctive clothing. Use are exceeded use	Urine Urine absorbed throu air changes per blicable, use pro in airborne leve ned, maintain ai or goggles). oves. of an impervious	* * hour) should bo cess enclosure ls below recom rborne levels to	e used. Ventilation rates es, local exhaust ventilation, mended exposure limits. If o an acceptable level. Provid
ACGIH Biological Exposure Components Acetone (CAS 67-64-1) Methyl Isobutyl Ketone (CAS 108-10-1) * - For sampling details, please oosure guidelines US - California OELs: Skin of Propylene Glycol Monor 108-65-6) oropriate engineering htrols ividual protection measures Eye/face protection Hand protection Skin protection Other Skin protection	Value 50 mg/l 1 mg/l se see the source docu designation nethyl Ether Acetate (C Good general ventila should be matched for or other engineering exposure limits have eyewash station. , such as personal pro Wear safety glasses Wear appropriate ch Wear suitable protect	Acetone Methyl isobutyl ketone ment. AS Can be ation (typically 10 a to conditions. If app controls to mainta e not been establish otective equipmen with side shields (memical resistant gl ctive clothing. Use are exceeded use or.	Urine Urine Urine absorbed throu air changes per blicable, use pro in airborne leve ned, maintain ai ht for goggles). oves. of an impervious NIOSH mechar	* * hour) should bo cess enclosure Is below recom rborne levels to s apron is reco	e used. Ventilation rates es, local exhaust ventilation, mended exposure limits. If o an acceptable level. Provid

9. Physical and chemical properties

5. Thysical and chemical	properties
Appearance	
Physical state	Gas.
Form	Aerosol.
Color	Not available.
Odor	Not available.
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	73.81 °F (23.23 °C) estimated
Flash point	-2.2 °F (-19.0 °C) SUPPLIER
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or expl	osive limits
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	2750 hPa SUPPLIER 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	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Specific gravity	0.85 SUPPLIER estimated
10. Stability and reactivity	
Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.

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 temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents. Nitrates. Fluorine. Chlorine.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Ingestion	Expected to be a low ingestion hazard.
Inhalation	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful.
Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Causes serious eye irritation.

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.	Narcotic effects.		
Components	Species	Test Results		
Acetone (CAS 67-64-1)				
Acute				
Dermal				
LD50	Guinea pig	> 7426 mg/kg, 24 Hours		
		> 9.4 ml/kg, 24 Hours		
	Rabbit	> 7426 mg/kg, 24 Hours		
		> 9.4 ml/kg, 24 Hours		
Inhalation				
LC50	Rat	55700 ppm, 3 Hours		
		132 mg/l, 3 Hours		
		50.1 mg/l		
Oral				
LD50	Rat	5800 mg/kg		
		2.2 ml/kg		
Butane (CAS 106-97-8)				
Acute				
Inhalation				
LC50	Mouse	1237 mg/l, 120 Minutes		
		52 %, 120 Minutes		
	Rat	1355 mg/l		
Carbon Black (CAS 1333-86	6-4)			
Acute				
Oral	5.4			
LD50	Rat	> 8000 mg/kg		
Ethylene Glycol Propyl Ethe	er (CAS 2807-30-9)			
Acute				
Dermal LD50	Guinea pig	5.6 g/kg, 4 Days		
EDSO	Rabbit	> 1 g/kg, 24 Hours		
	Kabbit			
Inhalation		1337 ml/kg, 14 Days		
LC50	Rat	> 2132 ppm, 6 Hours		
2000		> 1800 ppm		
Oral		> 1000 ppm		
LD50	Guinea pig	2.2 g/kg		
EDGO	Mouse	1774 mg/kg		
	Rat	0.5 - 1 g/kg		
Isobutyl Acetate (CAS 110- Acute	19-0)			
Dermal				
LD50	Rabbit	> 17400 mg/kg, 24 Hours		
Inhalation	-			
LC50	Rat	> 30 mg/l, 6 Hours		
		> 23.4 mg/l, 4 Hours		

Components Species		Test Results
Oral		13413 mg/kg
LD50	Rat	
Methyl Isobutyl Ketone (CAS 108-	10-1)	
Acute		
Inhalation		2000 - 4000 ppm, 4 Hours
LC50	Rat	
Oral		2.08 g/kg
LD50	Rat	
Propane (CAS 74-98-6)		
Acute		
Inhalation		1237 mg/l, 120 Minutes
LC50	Mouse	52 %, 120 Minutes
	Rat	1355 mg/l
		658 mg/l/4h
Pronylana Glycol Monomothyl Eth	er Acetate (CAS 108 EE E)	
Propylene Glycol Monomethyl Eth Acute	EI AUEIAIE (UAO 100-00)	
Dermal		
LD50	Rat	> 2000 mg/kg, 24 Hours
Oral		2000 mg/kg, 24 hours
LD50	Rat	> 14.1 ml
2000	Nat	
-		5155 mg/kg
Solvent Naphtha (petroleum), Ligh	it Aliph. (CAS 64742-89-8)	
Acute		
Dermal	Dabbit	1000 mg/kg 24 Hours
LD50	Rabbit	> 1900 mg/kg, 24 Hours
Inhalation	Det	
LC50	Rat	> 5020 mg/m3, 4 Hours
		> 4980 mg/m3
		> 4980 mg/m3, 4 Hours
		> 4.96 mg/l, 4 Hours
Oral		
LD50	Rat	4820 mg/kg
* Estimates for a ready strategy is		data wat akayun
Skin corrosion/irritation	e based on additional component Not applicable.	
Serious eye damage/eye irritation	Causes serious eye irritation.	
Respiratory or skin sensitization		
Respiratory sensitization	Not available.	
Skin sensitization	This product is not expected to	cause skin sensitization
Germ cell mutagenicity	Not applicable.	
Carcinogenicity	Suspected of causing cancer.	
	Evaluation of Carcinogenicity	
Carbon Black (CAS 1333		2B Possibly carcinogenic to humans.
Methyl Isobutyl Ketone (C		2B Possibly carcinogenic to humans.
Not listed.		·······
Reproductive toxicity	Not applicable.	
Specific target organ toxicity -	May cause drowsiness and dizz	ziness
single exposure	may cause arowsiness and ulz	

Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not likely, due to the form of the product.
Chronic effects	Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

12. Ecological information

Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components		Species	Test Results
Acetone (CAS 67-64-1)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	21.6 - 23.9 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	4740 - 6330 mg/l, 96 hours
Methyl Isobutyl Ketone (CAS Aquatic	108-10-1)		
Fish	LC50	Fathead minnow (Pimephales promelas)	492 - 593 mg/l, 96 hours
Methyl Propyl Ketone (CAS 7 Aquatic	107-87-9)		
Fish	LC50	Fathead minnow (Pimephales promelas)	1190 - 1290 mg/l, 96 hours
Propylene Glycol Monomethy Aquatic	yl Ether Acetat	e (CAS 108-65-6)	
Crustacea	EC50	Daphnia	500.0001 mg/L, 48 Hours
Solvent Naphtha (petroleum) Aquatic	, Light Aliph. ((CAS 64742-89-8)	
Algae	IC50	Algae	4700 mg/L, 72 Hours
* Estimates for product may l sistence and degradability accumulative potential		dditional component data not shown. available on the degradability of this product.	
-			
Partition coefficient n-octai Acetone		-0.24	
Butane		2.89	
Isobutyl Acetate		1.78	
Methyl Isobutyl Ketone		1.31	
Methyl Propyl Ketone Propane		0.91 2.36	
bility in soil	No data ava		
er adverse effects		lverse environmental effects (e.g. ozone deple	etion, photochemical ozone creation
		ndocrine disruption, global warming potential)	
Disposal consideratio	ns		
posal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Dispose of contents/container in accordance with local/regional/national/international regulations.		
al disposal regulations	Dispose in a	accordance with all applicable regulations.	
ardous waste code	The waste of disposal co	code should be assigned in discussion betwee mpany.	en the user, the producer and the waste
US RCRA Hazardous Waste	e U List: Refe	rence	
Acetone (CAS 67-64-1)		U002	
Methyl Isobutyl Ketone (-	
ste from residues / unused ducts		in accordance with local regulations. Empty c idues. This material and its container must be structions).	

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Do not re-use empty containers.

14. Transport information

DOT	
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.
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.
Special provisions	N82
Packaging exceptions	306
Packaging non bulk	None
Packaging bulk	None

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

ΙΑΤΑ

UN number UN proper shipping name	UN1950 Aerosols, flammable
Transport hazard class(es)	Aerosois, hannable
Class	2.1
Subsidiary risk	-
Label(s)	2.1
Packing group	Not applicable.
Environmental hazards	No.
ERG Code	10L
	Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo aircraft	Allowed.
Cargo aircraft only	Allowed.
Packaging Exceptions	LTD QTY
IMDG	
UN number	UN1950
UN proper shipping name	AEROSOLS
Transport hazard class(es)	
Class	2.1
Subsidiary risk	
Label(s)	2.1
Packing group	Not applicable.
Environmental hazards	
Marine pollutant	No.
EmS	F-D, S-U
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.
Packaging Exceptions	LTD QTY
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.



15. Regulatory information

10. Regulatory miormation				
US federal regulations	This product is a "Hazardous 0 Standard, 29 CFR 1910.1200. All components are on the U.S		d by the OSHA Hazard Communication tory List.	l
TSCA Section 12(b) Export N	lotification (40 CFR 707, Subp	t. D)		
Not regulated. CERCLA Hazardous Substar	nce List (40 CFR 302.4)			
Acetone (CAS 67-64-1) Isobutyl Acetate (CAS 110-19-0) Methyl Isobutyl Ketone (CAS 108-10-1) SARA 304 Emergency release notification		Listed. Listed. Listed.		
Not regulated. OSHA Specifically Regulated	d Substances (29 CFR 1910.10	01-1050)		
Not listed.				
Superfund Amendments and Rea	•	(A)		
Hazard categories	Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No			
SARA 302 Extremely hazard	ous substance			
Not listed.				
SARA 311/312 Hazardous chemical	No			
SARA 313 (TRI reporting) Chemical name		CAS number	% by wt.	
Methyl Isobutyl Ketone Ethyl Benzene		108-10-1 100-41-4	2.5 - 10 0.1 - 1	
Other federal regulations				
Clean Air Act (CAA) Section	112 Hazardous Air Pollutants	(HAPs) List		
Methyl Isobutyl Ketone (C Clean Air Act (CAA) Section	AS 108-10-1) 112(r) Accidental Release Pre	vention (40 CFR 6	8.130)	
Butane (CAS 106-97-8) Propane (CAS 74-98-6)				
Safe Drinking Water Act (SDWA)	Not regulated.			

	er		
Acetone (CAS 67-6	54-1) tone (CAS 108-10-1)	6532 6715	
		1 & 2 Exempt Chemical Mixtures (21 CFR	1310.12(c))
Acetone (CAS 67-6		35 %WV	< <i>"</i>
Methyl Isobutyl Ket	tone (CAS 108-10-1)	35 %WV	
•	I Mixtures Code Number		
Acetone (CAS 67-6		6532	
	tone (CAS 108-10-1)	6715	
S state regulations	0 • • • • • • • • • • • • • • • • • • •		
US. Massachusetts RTK -			
Acetone (CAS 67-64-1) Butane (CAS 106-97-8)			
Calcium Carbonate (CA			
Carbon Black (CAS 133			
Isobutyl Acetate (CAS 1			
Methyl Isobutyl Ketone			
Methyl Propyl Ketone (Propane (CAS 74-98-6)			
US. New Jersey Worker an		(now Act	
Acetone (CAS 67-64-1)			
Butane (CAS 106-97-8)	1		
Calcium Carbonate (CA			
Carbon Black (CAS 133 Isobutyl Acetate (CAS 1			
Methyl Isobutyl Ketone			
Methyl Propyl Ketone (
Propane (CAS 74-98-6)			
US. Pennsylvania Worker		-Know Law	
Acetone (CAS 67-64-1)			
Butane (CAS 106-97-8) Calcium Carbonate (CA			
Carbon Black (CAS 133			
Isobutyl Acetate (CAS 1	110-19-0)		
Methyl Isobutyl Ketone			
Methyl Propyl Ketone (Propane (CAS 74-98-6)			
US. Rhode Island RTK			
Acetone (CAS 67-64-1)			
Butane (CAS 106-97-8)			
Isobutyl Acetate (CAS			
Methyl Isobutyl Ketone			
Propane (CAS 74-98-6)			
US. California Proposition		up to the State of California to source concer	
•		wn to the State of California to cause cancer	
· · · ·		te/Carcinogenic substance	
Carbon Black (CAS Ethyl Benzene (CA		Listed: February 21, 2003 Listed: June 11, 2004	
	tone (CAS 108-10-1)	Listed: November 4, 2011	
ternational Inventories	, ,		
Country(s) or region	Inventory name		On inventory (yes/no)*
Australia	-	f Chemical Substances (AICS)	No
Canada	Domestic Substances		No
	Non-Domestic Substa		Yes
Canada			
	Inventory of Existing C	Chemical Substances in China (IECSC)	No
Canada China		Chemical Substances in China (IECSC)	
Canada		Existing Commercial Chemical	No No

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

*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

specified in the text.

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Version #	01
Issued By:	EHS Administrator
Disclaimer	We 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 in the sheet was written based on the best knowledge and experience currently available. 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