SAFETY DATA SHEET



1 Identification

1. Identification			
Product identifier MEDIUM 2	MEDIUM ZERO VOC REDUCER		
Other means of identification			
Product code XR-70			
Recommended use Industrial a	applications.		
Recommended restrictions Profession	al use only		
Manufacturer/Importer/Supplier/Distributor	information		
Manufacturer			
Company name Custom Sh			
Address 6695 Rash			
San Diego United Sta	, CA 92121		
Telephone Customer		10	
	()		
	(000) 404 000		
Emergency phone number CHEMTRE	C (800) 424-930	JU	
2. Hazard(s) identification			
Physical hazards Flammable	e liquids	Category 2	
Health hazards Serious ey	e damage/eye irritation	Category 2A	
Specific ta	rget organ toxicity, single exposure	Category 3 respiratory tract irritation	
Specific ta	rget organ toxicity, single exposure	Category 3 narcotic effects	
Environmental hazards Not classif	ied.		
OSHA defined hazards Not classif	ied.		
Label elements	^		
. July			
<u>₹</u> 3			
Signal word Danger			
	nmable liquid and vapor. Causes se e drowsiness or dizziness.	rious eye irritation. May cause respiratory irritation.	
Precautionary statement			
Prevention Keep away	/ from heat/sparks/open flames/hot	surfaces No smoking. Keep container tightly	
	ound/bond container and receiving	equipment. Use explosion-proof nly non-sparking tools. Take precautionary	
		thing mist or vapor. Wash thoroughly after	
		ated area. Wear eye protection/face protection.	
	ective gloves/eye protection/face pro		
		ntaminated clothing. Rinse skin with water/shower. ep comfortable for breathing. If in eyes: Rinse	
cautiously	with water for several minutes. Ren	nove contact lenses, if present and easy to do.	
	Insing. Call a poison center/doctor if lvice/attention. In case of fire: Use a	f you feel unwell. If eye irritation persists: Get	
		•	
Keep cool.	Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.		
-	contents/container in accordance v	vith local/regional/national/international regulations.	
		ome electrostatically charged even in bonded and and and vapor. May cause flash fire or explosion.	
Supplemental information None.			

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
PCBTF, P-Chlorobenzotrifluoride		98-56-6	60 - < 70
ACETONE		67-64-1	30 - < 40

*The exact percentage (concentration) 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	Take off immediately all contaminated clothing. 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	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. May cause respiratory irritation.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.
General information	Take off all contaminated clothing immediately. 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. Wash contaminated clothing before reuse.
5. Fire-fighting measures	
Suitable extinguishing media	Alcohol resistant foam. Water fog. Carbon dioxide (CO2). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. This liquid may accumulate static electricity when filling properly grounded containers. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on surface of water. During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Highly flammable liquid and vapor.

6. Accidental release measures

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

U	pational exposure limits JS. OSHA Table Z-1 Limits f Components	for Air Contaminants (29 CFR 1910 Type	1000) Value
	xposure controls/pers	onal protection	
	litions for safe storage, ding any incompatibilities	build-up by using common bonding spark promoters. Ground/bond com remove static electricity. Store in a	eat, sparks and open flame. Prevent electrostatic charge and grounding techniques. Eliminate sources of ignition. Avoid ainer and equipment. These alone may be insufficient to cool, dry place out of direct sunlight. Store in original tightly tilated place. Keep in an area equipped with sprinklers. Store see Section 10 of the SDS).
		Code in Canada, (CSA C22.1), or the 2003, "Protection Against Ignitions"	nent bonding and grounding, refer to the Canadian Electrical ne American Petroleum Institute (API) Recommended Practice Arising out of Static, Lightning, and Stray Currents" or National 77, "Recommended Practice on Static Electricity" or National 70, "National Electrical Code".
	andling and storage autions for safe handling	material from direct sunlight. When ventilation. Minimize fire risks from dust and static accumulating liquids operations that can promote accum filtering, pumping at high flow rates, filling, tank cleaning, sampling, gau precautionary measures against sta must be grounded. Use non-sparkir	n open flame, sources of heat or sources of ignition. Protect using do not smoke. Explosion-proof general and local exhaust lammable and combustible materials (including combustible) or dangerous reactions with incompatible materials. Handling ulation of static charges include but are not limited to: mixing, splash filling, creating mists or sprays, tank and container ging, switch loading, vacuum truck operations. Take tic discharges. All equipment used when handling the product g tools and explosion-proof equipment. Avoid breathing mist of id prolonged exposure. Wear appropriate personal protective hygiene practices.
7. Ha	andling and storage		
Envir	onmental precautions		ners for re-use. For waste disposal, see section 13 of the SDS. ourses or onto the ground. Use appropriate containment to
			d or other non-combustible material and transfer to containers orbent material (e.g. cloth, fleece). Clean surface thoroughly to
		possible. Cover with plastic sheet to	al, if this is without risk. Dike the spilled material, where this is prevent spreading. Use a non-combustible material like the product and place into a container for later disposal. ea with water.
	ods and materials for ainment and cleaning up	precautionary measures against sta (wood, paper, oil, etc.) away from s	noking, flares, sparks, or flames in immediate area). Take tic discharge. Use only non-sparking tools. Keep combustibles billed material. This material is classified as a water pollutant uld be prevented from contaminating soil or from entering h lead to waterways.

Components	Туре	Value	
ACETONE (CAS 67-64-1)	PEL	2400 mg/m3	
		1000 ppm	
US. ACGIH Threshold Limit Value	s		
Components	Туре	Value	
ACETONE (CAS 67-64-1)	STEL	750 ppm	
	TWA	500 ppm	
US. NIOSH: Pocket Guide to Cher	nical Hazards		
Components	Туре	Value	
ACETONE (CAS 67-64-1)	TWA	590 mg/m3	
		250 ppm	

ACGIH Biological Exposu Components	Value	Determinant	Specimen	Sampling Time
ACETONE (CAS 67-64-1)	50 mg/l	Acetone	Urine	*
* - For sampling details, ple	ase see the source	document.		
Appropriate engineering controls	Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station. Eye wash fountain and emergency showers are recommended.			
Individual protection measure	es, such as persona	al protective equipme	ent	
Eye/face protection	Chemical respir	Chemical respirator with organic vapor cartridge and full facepiece.		
Skin protection				
Hand protection	Wear appropria supplier.	Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.		
Other	Wear suitable p	Wear suitable protective clothing.		
Respiratory protection	Chemical respir	Chemical respirator with organic vapor cartridge and full facepiece.		
Thermal hazards	Wear appropria	Wear appropriate thermal protective clothing, when necessary.		
General hygiene considerations	When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.			

9. Physical and chemical properties

Physical state	Liquid.
Form	Liquid.
Color	Clear colorless or nearly colorless
Odor	Naphthalenic odor.
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	-137.2 °F (-94 °C) estimated
Initial boiling point and boiling range	132.8 °F (56 °C) estimated
Flash point	-0.4 °F (-18.0 °C) estimated
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or exp	losive limits
Flammability limit - lower (%)	2.1 % estimated
Flammability limit - upper (%)	13 % estimated
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	97.39 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	1004 °F (540 °C) estimated
Decomposition temperature	Not available.

Viscosity	Not available.
Other information	
Density	8.89 lbs/gal
Explosive properties	Not explosive.
Flammability class	Flammable IB estimated
Oxidizing properties	Not oxidizing.
Percent volatile	100 %
Specific gravity	1.07
VOC	0 lbs/gal (0 g/l) Coating VOC 0 lbs/gal (0 g/l) Material VOC
VOC composite vapor	181.7 mm Hg at 68°F (Exempt)

pressure

10. Stability and reactivity

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

11. Toxicological information

Information on likely routes of exposure

Inhalation	May cause drowsiness and dizziness. Headache. Nausea, vomiting. May cause irritation to the respiratory system. Prolonged inhalation may be harmful.	
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.	
Symptoms related to the physical, chemical and toxicological characteristics	Headache. May cause drowsiness and dizziness. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation.	

Information on toxicological effects

Acute toxicity

Narcotic effects. May cause respiratory irritation.

Components	Species	Test Results
ACETONE (CAS 67-64-1)		
Acute		
Dermal		
LD50	Rabbit	> 5000 mg/kg
Inhalation		
LC50	Rat	> 20 mg/l, 4 Hours
Oral		
LD50	Rat	> 5000 mg/kg
PCBTF, P-Chlorobenzotriflu	ıoride (CAS 98-56-6)	
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg
Inhalation		
LC50	Rat	4468 ppm, 4 hours (vapor)
		33 mg/l, 4 hours (vapor)

Components	Species	Test Results
Oral		
LD50	Rat	13000 mg/kg
* Estimates for product may b	e based on additional component 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	
Respiratory sensitization	Not a respiratory sensitizer.	
Skin sensitization	This product is not expected to cause skin sensitization.	
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.	
OSHA Specifically Regulate Not listed.	ed Substances (29 CFR 1910.1001-1050)	
Reproductive toxicity	This product is not expected to cause reproductive	or developmental effects.
Specific target organ toxicity - single exposure	May cause respiratory irritation. May cause drowsiness and dizziness.	
Specific target organ toxicity - repeated exposure	Not classified.	
Aspiration hazard	Not an aspiration hazard.	
Chronic effects	Prolonged inhalation may be harmful.	

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)			
Acute			
Other	LC50	Micro-organisms	> 100 mg/l
Aquatic			
Acute			
Algae	LC50	Algae	> 100 mg/l
Crustacea	LC50	Crustacea	> 100 mg/l
Fish	LC50	Fish	> 100 mg/l
Chronic			
Crustacea	NOEC	Crustacea	10 - 100 mg/l
PCBTF, P-Chlorobenzotrifl	uoride (CAS 9	8-56-6)	
Aquatic			
Acute			
Algae	EC50	Green algae (Chlamydomonas va	ariabilis) > 0.41 mg/l, 72 hours
Crustacea	EC50	Daphnia magna	2 mg/l, 48 hours
Fish	EC50	Zebra danio (Danio rerio)	3 mg/l, 96 hours
Chronic			
Algae	NOEC	Green algae (Chlamydomonas va	ariabilis) 0.41 mg/l, 21 days
* Estimatos for product ma	v ho hasod on	additional component data not shown.	
sistence and degradability	•	s available on the degradability of this p	araduct
•	y No data is		bloddet.
accumulative potential			
Partition coefficient n-oc ACETONE	tanol / water (log Kow) 0.2, (log Pow)	

3.7

PCBTF, P-Chlorobenzotrifluoride

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 consideratio	ns
Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in 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.

14. Transport information

DO.	r -	
	UN number	UN1263
	UN proper shipping name	Paint related material including paint thinning, drying, removing, or reducing compound
	Transport hazard class(es)	
	Class	3
	Subsidiary risk	-
	Label(s)	3
	Packing group	II
	Environmental hazards	
	Marine pollutant	Yes
		Read safety instructions, SDS and emergency procedures before handling.
	Special provisions	149, B52, IB2, T4, TP1, TP8, TP28
	Packaging exceptions	150
	Packaging non bulk	173
	Packaging bulk	242
IAT	4	
	UN number	UN1263
	UN proper shipping name	Paint related material (including paint thinning or reducing compounds)
	Transport hazard class(es)	
	Class	3
	Subsidiary risk	-
	Packing group	II
	Environmental hazards	Yes
	ERG Code	3L
	Special precautions for user Other information	Read safety instructions, SDS and emergency procedures before handling.
	Passenger and cargo aircraft	Allowed.
	Cargo aircraft only	Allowed.
IMD	G	
	UN number	UN1263
	UN proper shipping name	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid
		lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)
	Transport hazard class(es)	
	Class	3
	Subsidiary risk	-
	Packing group	II
	Environmental hazards	
	Marine pollutant	Yes
	EmS	F-E, <u>S-E</u>
	Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and Not established. the IBC Code DOT



Marine pollutant



IMDG Regulated Marine Pollutant. DOT Regulated Marine Pollutant.

15. Regulatory information

····				
US federal regulations	This product is a "Hazardous Standard, 29 CFR 1910.1200	Chemical" as defined by the OSHA Hazard Communication .		
TSCA Section 12(b) Export	Notification (40 CFR 707, Sub	pt. D)		
PCBTF, P-Chlorobenzoti	ifluoride (CAS 98-56-6)	1.0 % One-Time Export Notification only.		
CERCLA Hazardous Substa	CERCLA Hazardous Substance List (40 CFR 302.4)			
ACETONE (CAS 67-64-2)	Listed.		
SARA 304 Emergency relea	se notification			
Not regulated.				
OSHA Specifically Regulate	d Substances (29 CFR 1910.1	001-1050)		
Not listed.				
Superfund Amendments and Re	authorization Act of 1986 (SA	RA)		
Hazard categories	Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No			
SARA 302 Extremely hazardous substance				
Not listed.				
SARA 311/312 Hazardous chemical	No			

SARA 313 (TRI reporting)			
Not regulated.			
Other federal regulations			
Clean Air Act (CAA) Section	112 Hazardous Air Polluta	nts (HAPs) List	
Not regulated.			
Clean Air Act (CAA) Section	112(r) Accidental Release	Prevention (40 CFR 68.130)	
Not regulated.	()		
Safe Drinking Water Act (SDWA)	Not regulated.		
Drug Enforcement Adm Chemical Code Number		sential Chemicals (21 CFR 1310.02(b) an	d 1310.04(f)(2) and
ACETONE (CAS 67-	64-1)	6532	
Drug Enforcement Adm	inistration (DEA). List 1 & 2	Exempt Chemical Mixtures (21 CFR 131	0.12(c))
ACETONE (CAS 67- DEA Exempt Chemical I		35 %WV	
•		6532	
ACETONE (CAS 67-	04-1)	0532	
US state regulations			
	ibstances. CA Department of	of Justice (California Health and Safety C	code Section 11100)
Not listed.	omicale List Safar Consur	ner Products Regulations (Cal. Code Reg	as tit 22 69502.3 subd
(a))			ys, iii. 22, 05502.5, Subu.
ACETONE (CAS 67-64-1)		
US. Massachusetts RTK - S			
ACETONE (CAS 67-64-1)		
US. New Jersey Worker and	Community Right-to-Know	Act	
ACETONE (CAS 67-64-1			
PCBTF, P-Chlorobenzotr US. Pennsylvania Worker ar		w law	
ACETONE (CAS 67-64-1			
US. Rhode Island RTK)		
ACETONE (CAS 67-64-1)		
US. California Proposition 6			
-		o the State of California to cause cancer and	d birth defects or other
US - California Proposit	ion 65 - CRT: Listed date/Ca	arcinogenic substance	
BENZENE (CAS 71-	43-2)	Listed: February 27, 1987	
US - California Proposit	ion 65 - CRT: Listed date/D	evelopmental toxin	
BENZENE (CAS 71-		Listed: December 26, 1997	
US - California Proposit	ion 65 - CRT: Listed date/M	ale reproductive toxin	
BENZENE (CAS 71-	43-2)	Listed: December 26, 1997	
International Inventories			
Country(s) or region	Inventory name		On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control A	Act (TSCA) Inventory	Yes
		the inventory requirements administered by the not listed or exempt from listing on the inventory	

country(s).

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

Issue date	11-15-2015
Version #	01
HMIS® ratings	Health: 2 Flammability: 3 Physical hazard: 0
NFPA ratings	Health: 2 Flammability: 3 Instability: 0



Disclaimer

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