SAFETY DATA SHEET Chevron TrusTec[™] PRF Isooctane + TEL Version 2.0 Revision Date 2022-11-10 SECTION 1: Identification of the substance/mixture and of the company/undertaking **Product information** Product Name TrusTec[™] PRF Isooctane + TEL Material 1098715, 1098717, 1098712, 1098713, 1098720, 1098714, 1098719, 1098716, 1092025, 1091995, 1092012, 1092013, 1091997, 1092017, 1092018, 1092019, 1092008, 1095235, 1092007, 1094713, 1094712, 1094671, 1094670, 1094669, 1094668, 1092023, 1091996, 1091944, 1091945, 1091947, 1091948, 1091949, 1091950, 1092009, 1092014, 1091943, 1091998, 1092000, 1092001, 1092002, 1092003, 1092004, 1091994, 1062407, 1098691, 1097787, 1020579, 1020578, 1020576, 1020577, 1105590 : Fuel Use Company : Chevron Phillips Chemical Company LP Specialty Chemicals 10001 Six Pines Drive The Woodlands, TX 77380 **Emergency telephone:** Health[.] 866.442.9628 (North America) 1.832.813.4984 (International) Transport: CHEMTREC 800.424.9300 or 703.527.3887(int'l) Asia: CHEMWATCH (+612 9186 1132) China: 0532 8388 9090 Mexico CHEMTREC 01-800-681-9531 (24 hours) South America SOS-Cotec Inside Brazil: 0800.111.767 Outside Brazil: +55.19.3467.1600 Argentina: +(54)-1159839431 EUROPE: BIG +32.14.584545 (phone) or +32.14583516 (telefax) Austria: VIZ +43 1 406 43 43 (24 hours/day, 7 days/week) Belgium: 070 245 245 (24 hours/day, 7 days/week) Bulgaria: +359 2 9154 233 Croatia: +3851 2348 342 (24 hours/day, 7 days/week) Cyprus: 1401 Czech Republic: Toxicological Information Center +420 224 919 293, +420 224 915 402 Denmark: Danish Poison Center (Giftlinjen): +45 8212 1212 Estonia: BIG +32.14.584545 (phone) or +32.14583516 (telefax) Finland: 0800 147 111 09 471 977 (24 hours/day) France: ORFILA number (INRS): + 33 (0) 1 45 42 59 59 (24 hours/day, 7 days/week) Germany: BIG +32.14.584545 (phone) or +32.14583516 (telefax) SDS Number:100000014063 1/18

TrusTec™ PRF Isooctane + TEL

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Hungary: +36-80-201-19 Iceland: 543 2222 (24 hc Ireland: BIG +32.14.5845 Italy: BIG +32.14.584545 Latvia: State Fire and Re Poisoning and Drug Info 67042473. (24 hours.) Liechtenstein: BIG +32.1 Lithuania: +370 (85) 236 Luxembourg: (+352) 800 Malta: +356 2395 2000 The Netherlands: NVIC: Norway: 22 59 13 00 (24 Poland: BIG +32.14.5845 Portugal: CIAV phone nu Romania: +40213183606 Slovakia: +421 2 5477 4 Slovenia: Phone number	545 (phone) or +32.14583516 (telefax) 5 (phone) or +32.14583516 (telefax) 5 (phone) or +32.14583516 (telefax) 5 scue Service, phone number: 112; Toxicology and Sepsis Clinic 5 ormation Center, Hipokrāta 2, Riga, Latvia, LV-1038, phone number +37 4.584545 (phone) or +32.14583516 (telefax) 2052 2052 2052 2050 (24 hours/day, 7 days/week) +31 (0)88 755 8000 - hours/day, 7 days/week) 545 (phone) or +32.14583516 (telefax) imber: +351 800 250 250 6 166 :: 112 ncy Telephone Number of Spanish Poison Centre: +34 91 562 04 20 (24
Responsible Department E-mail address Website	 Product Safety and Toxicology Group SDS@CPChem.com www.CPChem.com
CTION 2: Hazards identifica	
Classification of the subst This product has been class	
Classification of the subs This product has been class 1910.1200; the SDS and lab	 tance or mixture sified in accordance with the hazard communication standard 29 CFR bels contain all the information as required by the standard. Flammable liquids, Category 2 Acute toxicity, Category 4, Inhalation Skin irritation, Category 2 Carcinogenicity, Category 1B Reproductive toxicity, Category 1A Specific target organ toxicity - single exposure, Category 3, Central nervous system
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TrusTec™ PRF Isooctane + TEL

H360: May damage fertility or the unborn child. Precautionary Statements P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P210 Keep away from head sparks/ open flames/ hot surfaces. No smoking. P203 Keep container tightly closed. P204 Ground/bond container and receiving equipment. P204 Use only non-sparking tools. P205 Wear protection container and receiving equipment. P206 Wear protection any measures against static discharge. P207 Wash skin throughly after handling. P208 Wear protection gloses for the discharge. P209 Wear protection gloses for the discharge. P209 Wear protection gloses for the discharge. P200 Wear protection gloses for the discharge. P201 P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER doctor. P303 + P341 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rine skin with water/ shower. P304 + P310 IF SWALLOWED: Immediately call a POISON CENTER doctor. P303 + P340 + P313 IF exposed or concerned. Get medical advice/ attention. P301 make for contaminated clothing and wash before reuse. P370 + P373 In Case of fire. Use dry sand, dry chemical or alcohol-resistant foam to extinguish. Storge: P403 + P233 Store in a well-ventilated place. Keep container tight/ closed. P370 + P373 In Case of the Use dry sand, dry chemical or alcohol-resistant foam to extinguish. Storge: P403 + P233 Store in a well-ventilated place. Keep container tight/ closed. P370 + P373 In Dispose of contents/ container to an approved waste disposal plant. EXEMPTION: E	rsion 2.0	Revision Date 2022-11-
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P308 + P313 IF exposed or concerned: Get medical advice/ attention. P331 Do NOT induce vomiting. P332 Take off contaminated clothing and wash before reuse. P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. Storage: P403 + P233 P403 + P235 Store in a well-ventilated place. Keep cool. Disposal: P501 P501 Dispose of contents/ container to an approved waste disposal plant. IARC Group 2A: Probably carcinogenic to humans 1,2-dibromoethane 1,2-dibromoethane 106-93-4 NTP Reasonably anticipated to be a human carcinogen Tetraethyl Lead 78-00-2 1,2-dibromoethane 106-93-4 CTION 3: Composition/information on ingredients Synonyms : Synonyms : 2,2,4-Trimethylpentane / Tetraethyl Lead Molecular formula : Mixture		
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Molecular formula : Mixture	CTION 3: Composition/info	mation on ingredients
	Synonyms	: 2,2,4-Trimethylpentane / Tetraethyl Lead
S Number:100000014063 3/18	Molecular formula	: Mixture
	S Number:100000014063	3/18

TrusTec™ PRF Isooctane + TEL

Version 2.0

Revision Date 2022-11-10

Component	CAS-No.	Weight %	
2,2,4-Trimethylpentane (Isooctane)	540-84-1	99.4 - 100	
Tetraethyl Lead	78-00-2	0.1 - 1	
1,2-Dibromoethane	106-93-4	0.1 - 0.3	

SECTION 4: First aid measures

General advice	:	Move out of dangerous area. Show this material safety data sheet to the doctor in attendance. Material may produce a serious, potentially fatal pneumonia if swallowed or vomited.
If inhaled	:	Consult a physician after significant exposure. If unconscious, place in recovery position and seek medical advice.
In case of skin contact	:	If skin irritation persists, call a physician. If on skin, rinse well with water. If on clothes, remove clothes.
In case of eye contact	:	Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If swallowed	:	Keep respiratory tract clear. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.

CTION 5: Firefighting measu	res	
Flash point	:	-12.22°C (10.00°F) estimated
Autoignition temperature	:	411°C (772°F)
Suitable extinguishing media	:	Alcohol-resistant foam. Carbon dioxide (CO2). Dry chemical.
Unsuitable extinguishing media	:	High volume water jet.
Specific hazards during fire fighting	:	Do not allow run-off from fire fighting to enter drains or water courses.
Special protective equipment for fire-fighters	:	Wear self-contained breathing apparatus for firefighting if necessary.
Further information	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments. Use a water spray to cool fully closed containers.
Fire and explosion protection	:	Do not spray on a naked flame or any incandescent material. Take necessary action to avoid static electricity discharge
S Number:100000014063		4/18

IsTec™ PRF Isooct	SAFETY DATA SH
sion 2.0	Revision Date 2022-1
	(which might cause ignition of organic vapors). Use only explosion-proof equipment. Keep away from open flames, hot surfaces and sources of ignition.
Hazardous decomposition products	: Hydrocarbons. Carbon oxides.
TION 6: Accidental release	measures
Personal precautions	: Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
Environmental precautions	: Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods for cleaning up	: Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
TION 7: Handling and stora	age
Handling	
Advice on safe handling	: Avoid formation of aerosol. Do not breathe vapors/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in work rooms. Open drum carefully as content may be under pressure. Dispose of rinse water in accordance with local and national regulations.
Advice on protection against fire and explosion	: Do not spray on a naked flame or any incandescent material. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Use only explosion-proof equipment. Keep away from open flames, hot surfaces and sources of ignition.
Storage	
Requirements for storage areas and containers	 No smoking. Keep container tightly closed in a dry and well- ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards
Use	: Fuel
Number:100000014063	5/18

TrusTec[™] PRF Isooctane + TEL

Version 2.0

Revision Date 2022-11-10

SECTION 8: Exposure controls/personal protection

Ingredients with workplace control parameters

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Components	Basis	Value	Control parameters	Note
2,2,4-Trimethylpentane (Isooctane)	ACGIH	TWA	300 ppm,	
Tetraethyl Lead	ACGIH	TWA	0.1 mg/m3	A4, Skin,
	OSHA Z-1	TWA	0.075 mg/m3	Χ,
	OSHA Z-1-A	TWA	0.075 mg/m3	Х,
1,2-Dibromoethane	NIOSH REL	TWA	0.045 ppm,	Ca,
	NIOSH REL	С	0.13 ppm,	Ca,
	OSHA Z-2	TWA	20 ppm,	
	OSHA Z-2	CEIL	30 ppm,	
	OSHA Z-2	Peak	50 ppm,	

A4 Not classifiable as a human carcinogen

Ca Potential Occupational Carcinogen

Skin Danger of cutaneous absorption

X Skin notation

Immediately Dangerous to Life or Health Concentrations (IDLH)

Substance name	CAS-No.	Control parameters	Update
Tetraethyl Lead	78-00-2	Immediately Dangerous to Life or Health Concentration Value 40 mg/m ³	1995-03-01
1,2-Dibromoethane	106-93-4	Immediately Dangerous to Life or Health Concentration Value 100 parts per million	1995-03-01

Engineering measures

Adequate ventilation to control airborned concentrations below the exposure guidelines/limits. Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

Personal protective equipment

Respiratory protection :	If ventilation or other engineering controls are not adequate to maintain minimal oxygen content of 19.5% by volume under normal atmospheric pressure, a supplied-air NIOSH approved respirator may be appropriate. If exposure to harmful levels of airborne material may occur, a NIOSH approved respirator that provides protection may be appropriate, such as:. Air-Purifying Respirator for Organic Vapors. A positive pressure, air- supplying respirator may be appropriate if there is potential for uncontrolled release, aerosolization, exposure levels are not known, or other circumstances where air-purifying respirators may not provide adequate protection.
Hand protection :	The suitability for a specific workplace should be discussed with the producers of the protective gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
SDS Number:100000014063	6/18

ısTec™ PRF Isooct	INE + TEL	SHE
sion 2.0	Revision Date 202	22-11
Eye protection	: Eye wash bottle with pure water. Tightly fitting safety gogg	les.
Skin and body protection	: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to specific work-place. Wear as appropriate:. Flame retardar antistatic protective clothing. Workers should wear antistat footwear.	nt
Hygiene measures	: When using do not eat or drink. When using do not smoke Wash hands before breaks and at the end of workday.	
TION 9: Physical and chen	cal properties	
Information on basic phys	cal and chemical properties	
Appearance		
Form	: liquid	
Physical state Color	: liquid : Colorless	
Odor	: Mild	
Safety data		
Flash point	: -12.22°C (10.00°F) estimated	
Lower explosion limit	: 1 %(V)	
Upper explosion limit	: 7 %(V)	
Oxidizing properties	: No	
Autoignition temperature	: 411°C (772°F)	
Thermal decomposition	: No data available	
Molecular formula	: Mixture	
Molecular weight	: Not applicable	
рН	: Not applicable	
Pour point	: No data available	
Boiling point/boiling range	: 99°C (210°F)	
Vapor pressure	: 1.70 PSI at 37.8°C (100.0°F)	
Relative density	: 0.7 at 15.6 °C (60.1 °F)	
Water solubility	: negligible	
Partition coefficient: n- octanol/water	: No data available	
S Number:100000014063	7/18	

usTec™ PRF Isoocta	SAFETY DATA SHE
sion 2.0	Revision Date 2022-11
Viscosity, kinematic	: 0.503 cSt at 20°C (68°F)
Relative vapor density	: 3 (Air = 1.0)
Evaporation rate	: 1
Percent volatile	: > 99 %
CTION 10: Stability and reactive	vity
Reactivity	: Stable under recommended storage conditions.
Chemical stability	: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Possibility of hazardous rea	ctions
Hazardous reactions	: Hazardous reactions: Hazardous polymerization does not occur.
	Hazardous reactions: Vapors may form explosive mixture with air.
Conditions to avoid	: Heat, flames and sparks.
Materials to avoid	: May react with oxygen and strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.
Thermal decomposition	: No data available
Hazardous decomposition products	: Hydrocarbons Carbon oxides
Other data	: No decomposition if stored and applied as directed.
CTION 11: Toxicological infor	mation
TrusTec™ PRF Isooctane + Acute oral toxicity	TEL : Acute toxicity estimate: 3,586 mg/kg Method: Calculation method
TrusTec™ PRF Isooctane + Acute inhalation toxicity	TEL : Acute toxicity estimate: 19.39 mg/l Exposure time: 4 h Test atmosphere: vapor Method: Calculation method
S Number:100000014063	8/18

TrusTec™ PRF Isooctane + TEL

Version 2.0

Acute dermal toxicity	: Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method
TrusTec™ PRF Isooctane Skin irritation	+ TEL : Skin irritation largely based on animal evidence.
TrusTec™ PRF Isooctane Eye irritation	 Yapors may cause irritation to the eyes, respiratory system and the skin.
Sensitization	
2,2,4-Trimethylpentane (Isooctane)	: Did not cause sensitization on laboratory animals.
1,2-Dibromoethane	Substance is not considered to be potential skin sensitiser.
Repeated dose toxicity	
2,2,4-Trimethylpentane (Isooctane)	 Species: Rat, Male and female Sex: Male and female Application Route: Inhalation Dose: 0, 668, 2220, 6646 ppm Exposure time: 13 weeks Number of exposures: 6 hr/day 5 d/wk NOEL: 8.117 mg/l 2220 ppm Method: OECD Guideline 413 Information given is based on data obtained from similar substances.
Tetraethyl Lead	Species: Monkey, Male and female Sex: Male and female Application Route: oral gavage Dose: 0.009 mg TEL/kg/bw/day Exposure time: 6 months Number of exposures: Once per day, 7 d/wk NOEL: 0.009 mg/kg
	Species: Rat, male Sex: male Application Route: oral gavage Dose: 0, 0.2, 2.0 mg/kg/bw Exposure time: 13 wk Number of exposures: Once per day. 5 d/wk Lowest observable effect level: 0.2 mg/kg Target Organs: Nervous system, Blood
Senotoxicity in vitro	
2,2,4-Trimethylpentane (Isooctane)	: Test Type: Ames test Method: Mutagenicity (Escherichia coli - reverse mutation assay) Result: negative
Number:100000014063	9/18

TrusTec[™] PRF Isooctane + TEL

Version 2.0	Revision Date 2022-11-10
	Test Type: Mouse lymphoma assay Method: OECD Guideline 476 Result: negative
	Test Type: Sister Chromatid Exchange Assay Result: negative
	Test Type: Unscheduled DNA synthesis assay Result: negative
Tetraethyl Lead	Test Type: Ames test Concentration: 0, 1, 3.3, 10, 33.3, 100 Method: OECD Test Guideline 471 Result: negative
Genotoxicity in vivo	
2,2,4-Trimethylpentane : (Isooctane)	Test Type: Unscheduled DNA synthesis assay Species: Mouse Dose: 500 mg/kg Result: negative
	Test Type: Unscheduled DNA synthesis assay Species: Rat Dose: 500 mg/kg Result: negative
Tetraethyl Lead	Test Type: Dominant lethal assay Species: Mouse Dose: 6.48, 32.0 mg/kg/d Result: In vivo tests did not show any chromosomal changes.
	Test Type: Dominant lethal assay Species: Mouse Dose: 6.48, 32.0 mg/kg/d Result: In vivo tests did not show any chromosomal changes.
Reproductive toxicity	
2,2,4-Trimethylpentane : (Isooctane)	Species: Rat Sex: male and female Application Route: Inhalation Dose: 0, 900, 3000, 9000 ppm Number of exposures: 6 h/d 5 d/wk Method: OECD Test Guideline 416 NOAEL Parent: 3000 ppm NOAEL F1: 3000 ppm NOAEL F2: 3000 ppm Information given is based on data obtained from similar substances.
Developmental Toxicity	
2,2,4-Trimethylpentane : (Isooctane)	Species: Rat Application Route: Inhalation Dose: 0, 400, 1200 ppm Number of exposures: 6h/d Test period: GD6-15
SDS Number:100000014063	10/18

TrusTec[™] PRF Isooctane + TEL Version 2.0 Revision Date 2022-11-10 NOAEL Teratogenicity: 1200 ppm NOAEL Maternal: 1200 ppm Information given is based on data obtained from similar substances. Species: Rat **Application Route: Inhalation** Dose: 0, 900, 3000, 9000 ppm Number of exposures: 6h/d Test period: GD6-15 Method: OECD Guideline 414 NOAEL Teratogenicity: 9000 ppm NOAEL Maternal: 3000 ppm Information given is based on data obtained from similar substances. **Tetraethyl Lead** Species: Rat Application Route: oral gavage Dose: 0, 0.01, 0.1, 1, 10 mg/kg Test period: GD 6-16 NOAEL Teratogenicity: 0.1 mg/kg NOAEL Maternal: 0.1 mg/kg TrusTec[™] PRF Isooctane + TEL Aspiration toxicity : May be fatal if swallowed and enters airways. **CMR effects** 2.2,4-Trimethylpentane : Mutagenicity: Tests on bacterial or mammalian cell cultures (Isooctane) did not show mutagenic effects. Teratogenicity: Animal testing did not show any effects on fetal development. Reproductive toxicity: Animal testing did not show any effects on fertility. **Tetraethyl Lead** Reproductive toxicity: Positive evidence of adverse effects on sexual function, fertility and/or development from human epidemiological studies. Carcinogenicity: Possible human carcinogen 1,2-Dibromoethane Mutagenicity: In vitro tests showed mutagenic effects Reproductive toxicity: Some evidence of adverse effects on sexual function and fertility, and/or on development, based on animal experiments. TrusTec[™] PRF Isooctane + TEL Further information : Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Concentrations substantially above the TLV value may cause narcotic effects. Solvents may degrease the skin. **SECTION 12: Ecological information** Toxicity to fish 2,2,4-Trimethylpentane : LC50: 0.11 mg/l SDS Number:100000014063 11/18

SAFETY	DATA	SHEET

TrusTec™ PRF Isooctane + TEL

sion 2.0	Revision Date 2022-1
(Isooctane)	Exposure time: 96 h Species: Oncorhynchus mykiss (rainbow trout) semi-static test Method: OECD Test Guideline 203 Information given is based on data obtained from similar substances.
Tetraethyl Lead	LC50: 0.2 mg/l Exposure time: 96 h Species: Lepomis macrochirus (Bluegill sunfish)
1,2-Dibromoethane	LC50: 4.30 mg/l Exposure time: 96 h Species: Pimephales promelas (fathead minnow) flow-through test
Toxicity to daphnia and o	ther aquatic invertebrates
2,2,4-Trimethylpentane (Isooctane)	: EC50: 0.4 mg/l Exposure time: 48 h Species: Daphnia magna (Water flea) static test Information given is based on data obtained from similar substances.
1,2-Dibromoethane	LC50: 6.5 mg/l Exposure time: 48 h Species: Daphnia magna (Water flea) static test
Toxicity to algae	
2,2,4-Trimethylpentane (Isooctane)	: EL50: 2.943 mg/l Exposure time: 72 h Method: QSAR modeled data
Toxicity to fish (Chronic t	oxicity)
1,2-Dibromoethane	: NOEC: 0.034 mg/l Species: Oryzias latipes (Japanese medaka)
Toxicity to daphnia and o	ther aquatic invertebrates (Chronic toxicity)
2,2,4-Trimethylpentane (Isooctane)	 NOEL: 0.17 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211 Information given is based on data obtained from similar substances.
Biodegradability	: Expected to be ultimately biodegradable Information given is based on data obtained from similar substances.
Elimination information (pe	rsistence and degradability)
Bioaccumulation	

SAFETY	DATA	SHEET
0/11 - 11	27.117.	

TrusTec[™] PRF Isooctane + TEL

Version 2.0	Revision Date 2022-11-10
2,2,4-Trimethylpentane (Isooctane)	: Bioconcentration factor (BCF): 231 Method: QSAR modeled data This material is not expected to bioaccumulate.
Mobility	
2,2,4-Trimethylpentane (Isooctane)	: Medium: Air Method: Calculation, Mackay Level I Fugacity Model After release, disperses into the air.
Results of PBT assessment	
2,2,4-Trimethylpentane (Isooctane)	: Non-classified PBT substance, Non-classified vPvB substance
Additional ecological information	: Very toxic to aquatic life with long lasting effects.
Ecotoxicology Assessment	
Short-term (acute) aquatic hazard	: Very toxic to aquatic life.
Long-term (chronic) aquatic hazard	: Very toxic to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

The information in this SDS pertains only to the product as shipped.

Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by US EPA under RCRA (40 CFR 261) or other State and local regulations. Measurement of certain physical properties and analysis for regulated components may be necessary to make a correct determination. If this material is classified as a hazardous waste, federal law requires disposal at a licensed hazardous waste disposal facility.

Product	: The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.
Contaminated packaging	 Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

SECTION 14: Transport information

The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments in non-bulk packages (see regulatory definition).

Consult the appropriate domestic or international mode-specific and quantity-specific Dangerous Goods Regulations for additional shipping description requirements (e.g., technical name or names, etc.) Therefore, the information shown here, may not always agree with the bill of lading shipping description for the material. Flashpoints for the material may vary slightly between the SDS and the bill of lading.

US DOT (UNITED STATES DEPARTMENT OF TRANSPORTATION)

UN1262, OCTANES, 3, II, MARINE POLLUTANT, (2,2,4-TRIMETHYLPENTANE (ISOOCTANE), TETRAETHYL LEAD), RQ (2,2,4-TRIMETHYLPENTANE (ISOOCTANE), TETRAETHYL LEAD)

13/18

TrusTec™ PRF Isooctane + TEL

Version 2.0

IMO / IMDG (INTERNATIO UN1262, OCTANES, 3, (ISOOCTANE), TETRAI	II, (-12.22 °C c.c.), MARINE POLLUTANT, (2,2,4-TRIMETHYLPENTANE
IATA (INTERNATIONAL A UN1262, OCTANES, 3,	IR TRANSPORT ASSOCIATION)
UN1262, OCTANES, 3,	ANGEROUS GOODS BY ROAD (EUROPE)) II, (D/E), ENVIRONMENTALLY HAZARDOUS, (2,2,4- (ISOOCTANE), TETRAETHYL LEAD)
DANGEROUS GOODS (EI	3, II, ENVIRONMENTALLY HAZARDOUS, (2,2,4-TRIMETHYLPENTANE
OF DANGEROUS GOODS	MENT CONCERNING THE INTERNATIONAL CARRIAGE BY INLAND WATERWAYS) II, ENVIRONMENTALLY HAZARDOUS, (2,2,4-TRIMETHYLPENTANE ETHYL LEAD)
Maritime transport in bull ECTION 15: Regulatory infor National legislation	k according to IMO instruments mation
ECTION 15: Regulatory infor	
ECTION 15: Regulatory infor National legislation SARA 311/312 Hazards	mation : Flammable (gases, aerosols, liquids, or solids) Acute toxicity (any route of exposure) Carcinogenicity Reproductive toxicity Aspiration hazard Skin corrosion or irritation
ECTION 15: Regulatory infor National legislation SARA 311/312 Hazards	mation Flammable (gases, aerosols, liquids, or solids) Acute toxicity (any route of exposure) Carcinogenicity Reproductive toxicity Aspiration hazard Skin corrosion or irritation Specific target organ toxicity (single or repeated exposure)

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TrusTec™ PRF Isooctane + TEL

sion 2.0		Revision Date 2022-11
SARA 302 Reportable Quantity	: 1000 lbs	
Quantity	Tetraethyl Lead	
SARA 302 Threshold Planning Quantity	: This material does not 302 EHS TPQ.	contain any components with a section
SARA 304 Reportable Quantity	: 1000 lbs	
Guanny	Tetraethyl Lead 78-00-	2 10 lbs
SARA 313 Components	: The following compone established by SARA T	ents are subject to reporting levels itle III, Section 313:
	: 1,2-Dibromoethane - 10	06-93-4
Clean Air Act		
Potential Class		was manufactured with a Class I or .S. Clean Air Act Section 602 (40 CFR
The following chemical(s) ar	e listed as HAP under the L : 2,2,4-Trimethylpentane	I.S. Clean Air Act, Section 112 (40 CFR 6 (Isooctane) - 540-84-1
This product does not contai Accidental Release Preventi		er the U.S. Clean Air Act Section 112(r) fo t F).
This product does not contain Intermediate or Final VOC's		er the U.S. Clean Air Act Section 111 SOC
US State Regulations		
Pennsylvania Right To Knov	/ : 2,2,4-Trimethylpentane Tetraethyl Lead - 78-00 1,2-Dibromoethane - 10	0-2

ane + TEL	
	Revision Date 2022-11-
WARNING: This product can expose you to chemicals including [listed below], which is [are] known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov/food.	
Tetraethyl Lead 1,2-dibromoethane Ethyl Chloride Naphthalene	78-00-2 106-93-4 75-00-3 91-20-3
WARNING: This product can exp [listed below], which is [are] know cause birth defects or other repro information go to www.P65Warn	wn to the State of California to oductive harm. For more
1,2-dibromoethane	106-93-4
notified to be registered by CPChem according t Importation or manufact permitted provided the themselves notified the	roduct was not registered, , or exempted from registration to K-REACH regulations. ture of this product is still Korean Importer of Record has substance or the exported d the minimum threshold stered substance(s).
 ISA) : On or in compliance with TSCA inventory All components of this p DSL On the inventory, or in c Not in compliance with t Not in compliance with t A substance(s) in this prinotified to be registered by CPChem according t Importation or manufact permitted provided the k 	the inventory roduct was not registered, , or exempted from registration to K-REACH regulations. ture of this product is still Korean Importer of Record has substance or the exported d the minimum threshold
: On the inventory, or in c	compliance with the inventory compliance with the inventory compliance with the inventory
	 [listed below], which is [are] know cause cancer. For more informat www.P65Warnings.ca.gov/food. Tetraethyl Lead 1,2-dibromoethane Ethyl Chloride Naphthalene WARNING: This product can exp [listed below], which is [are] know cause birth defects or other reprint information go to www.P65Warn 1,2-dibromoethane : A substance(s) in this p notified to be registered by CPChem according the themselves notified the amount does not excee quantity of the non-regises : On the inventory, or in constrained to be registered by SA in Components of this provided the themselves notified the amount does not excee quantity of the non-regises : On the inventory or in constrained to be registered by CPChem according the themselves notified the amount does not excee quantity of the non-regises : On the inventory, or in constrained to be registered by CPChem according the themselves notified the amount does not excee quantity of the non-regises : On the inventory or in constrained to be registered by CPChem according the themselves notified the amount does not excee quantity of the non-regises : On the inventory, or in constrained to be registered by CPChem according the themselves notified the amount does not excee quantity of the non-regises : On the inventory, or in constrained permitted provided the fitter of the state of the stat

TrusTec[™] PRF Isooctane + TEL

Version 2.0

Revision Date 2022-11-10

SECTION 16: Other information

NFPA Classification	: Health Hazard: 2 Fire Hazard: 3 Reactivity Hazard: 0	2 0
Further information		
Legacy SDS Number	: 38510	

Significant changes since the last version are highlighted in the margin. This version replaces all previous versions.

The information in this SDS pertains only to the product as shipped.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

ACGIH	American Conference of	LD50	Lethal Dose 50%
	Government Industrial Hygienists		
AICS	Australia, Inventory of Chemical Substances	LOAEL	Lowest Observed Adverse Effe
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agenc
NDSL	Canada, Non-Domestic Substances List	NIOSH	National Institute for Occupatio Safety & Health
CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentra
EGEST	EOSCA Generic Exposure Scenario Tool	OSHA	Occupational Safety & Health Administration
EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit
EINECS	European Inventory of Existing Chemical Substances	PICCS	Philippines Inventory of Commercial Chemical Substar
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic
GHS	Globally Harmonized System	RCRA	Resource Conservation Recov Act
>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and Reauthorization Act.
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
IECSC	Inventory of Existing Chemical Substances in China	TWA	Time Weighted Average
ENCS	Japan, Inventory of Existing and	TSCA	Toxic Substance Control Act

TrusTec[™] PRF Isooctane + TEL

Version 2.0

Revision Date 2022-11-10

	New Chemical Substances		
KECI	Korea, Existing Chemical Inventory	UVCB	Unknown or Variable Composition, Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50	Lethal Concentration 50%		

SDS Number:100000014063