SAFETY DATA SHEET



1. Identification

Dreduct identifier	Engine Brite Heevy Duty E	naine Dearceas	
Product identifier	Engine Brite Heavy Duty E	ingine Degreaser	
Other means of identification SDS number	EB1		
Part No.	EB1, EB1/6		
Tariff code	3814.00.5090		
Recommended use Recommended restrictions	Engine Degreaser None known.		
Manufacturer/Importer/Supplier/ Manufacturer	Distributor information		
Company name Address	RSC Chemical Solutions 600 Radiator Road Indian Trail, NC 28079 United States		
Telephone	Customer Service: Technical:	(704) 821-7643 (704) 821-7643	
Website	www.rscbrands.com		
E-mail	sds@rscbrands.com		
Emergency phone number	Emergency Telephone: Emergency Contact:	(303) 623-5716 RMPDC (877) 7	40-5015
2. Hazard(s) identification			
Physical hazards	Flammable aerosols		Category 1
Health hazards	Acute toxicity, oral		Category 4
	Skin corrosion/irritation		Category 2
	Serious eye damage/eye irr	itation	Category 2A
	Carcinogenicity		Category 2
	Specific target organ toxicity	v, single exposure	Category 3 narcotic effects
	Specific target organ toxicity exposure	v, repeated	Category 2
	Aspiration hazard		Category 1
Environmental hazards	Hazardous to the aquatic er hazard	vironment, acute	Category 2
	Hazardous to the aquatic er long-term hazard	vironment,	Category 2
OSHA defined hazards	Not classified.		
Label elements			



Extremely flammable aerosol. Harmful if swallowed. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure. Toxic to aquatic life. Toxic 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.
Response	If swallowed: Immediately call a poison center/doctor. Rinse mouth. Do NOT induce vomiting. If on skin: Wash with plenty of water. 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 skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. Collect spillage.
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	93.42% of the mixture consists of component(s) of unknown acute oral toxicity. 98.56% of the mixture consists of component(s) of unknown acute dermal toxicity. 68.66% of the mixture consists of component(s) of unknown acute inhalation toxicity. 71.77% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 68.68% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.
	NOTE: This product is a consumer product and is labeled in accordance with the US Consumer Product Safety Commission regulations which take precedence over OSHA Hazard Communication labeling. The container label may not include the OSHA label elements listed in this document. Always carefully review the entire SDS and the product label prior to use in the workplace.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Petroleum Distillate Aliphatic		68476-34-6	60 - < 70
Kerosine (petroleum)		8008-20-6	20 - < 30
Petroleum naphtha		64742-94-5	3 - < 5
Alkanes C10-20, Branched And Linear		928771-01-1	1 - < 3
Carbon Dioxide		124-38-9	1 - < 3
Poly(oxyethylene) Sorbitol Hexaoleate		57171-56-9	1 - < 3
Tert-butylbenzene		98-06-6	1 - < 3
NAPHTHALENE		91-20-3	< 1
Other components below reportable le	evels		3 - < 5

*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	Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
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	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
Most important symptoms/effects, acute and delayed	Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.

Indication of immediate Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim medical attention and special under observation. Symptoms may be delayed. treatment needed IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice **General information** (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 Alcohol resistant foam. Dry powder. Carbon dioxide (CO2). Unsuitable extinguishing Do not use water jet as an extinguisher, as this will spread the fire. media Specific hazards arising from Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed. the chemical Special protective equipment Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. and precautions for firefighters Move containers from fire area if you can do so without risk. Containers should be cooled with **Fire fighting** water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose equipment/instructions holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. Use standard firefighting procedures and consider the hazards of other involved materials. Move Specific methods 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. Accidental release measures Personal precautions, Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do protective equipment and not touch damaged containers or spilled material unless wearing appropriate protective clothing. emergency procedures

containment and cleaning up
risk. Move the cylinder to a safe and open area if the leak is irreparable. Use water spray to reduce vapors or divert vapor cloud drift. Keep combustibles (wood, paper, oil, etc.) away from spilled material. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways. 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. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.

Ventilate closed spaces before entering them. Local authorities should be advised if significant

cause spark and become an ignition source. Store in tightly closed container. Keep out of the reach of children. Store away from incompatible materials (see Section 10 of the SDS).

Refer to attached safety data sheets and/or instructions for use. Stop leak if you can do so without

spillages cannot be contained. For personal protection, see section 8 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

Methods and materials for

3 3	
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. Do not taste or swallow. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. 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 3 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 jonition. This material can accumulate static charge which may

8. Exposure controls/personal protection

Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

US. OSHA Table Z-1 Limits Components	Type	Value	
Carbon Dioxide (CAS 124-38-9)	PEL	9000 mg/m3	3
,		5000 ppm	
NAPHTHALENE (CAS 91-20-3)	PEL	50 mg/m3	
		10 ppm	
Petroleum naphtha (CAS 64742-94-5)	PEL	400 mg/m3	
		100 ppm	
US. ACGIH Threshold Limit			_
Components	Туре	Value	Form
Carbon Dioxide (CAS 124-38-9)	STEL	30000 ppm	
	TWA	5000 ppm	
Kerosine (petroleum) (CAS 8008-20-6)	TWA	200 mg/m3	Non-aerosol.
NAPHTHALENE (CAS 91-20-3)	TWA	10 ppm	
Petroleum Distillate Aliphatic (CAS 68476-34-6)	TWA	100 mg/m3	Inhalable fraction and vapor.
Petroleum naphtha (CAS 64742-94-5)	TWA	200 mg/m3	Non-aerosol.
US. NIOSH: Pocket Guide to Components	Chemical Hazards Type	Value	
Carbon Dioxide (CAS 124-38-9)	STEL	54000 mg/m	13
		30000 ppm	
	TWA	9000 mg/m3	3
		5000 ppm	
Kerosine (petroleum) (CAS 8008-20-6)	TWA	100 mg/m3	
NAPHTHALENE (CAS 91-20-3)	STEL	75 mg/m3	
		15 ppm	
	TWA	50 mg/m3	
		10 ppm	
ogical limit values	No biological exposure limit	s noted for the ingredient(s).	
osure guidelines	-		
US - California OELs: Skin d	lesignation		
NAPHTHALENE (CAS 9 ⁻ US ACGIH Threshold Limit		Can be absorbed through the sk	in.
Kerosine (petroleum) (CA NAPHTHALENE (CAS 9 ⁻⁷ Petroleum Distillate Aliph Petroleum naphtha (CAS	I-20-3) atic (CAS 68476-34-6)	Can be absorbed through the sk Can be absorbed through the sk Can be absorbed through the sk Can be absorbed through the sk	in. in.

Appropriate engineering controls	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 and safety shower.
Individual protection measures,	such as personal protective equipment
Eye/face protection	Chemical respirator with organic vapor cartridge and full facepiece. Applicable for industrial settings only.
Skin protection	
Hand protection	Wear appropriate chemical resistant gloves. Applicable for industrial settings only.
Other	Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended. Applicable for industrial settings only.
Respiratory protection	Chemical respirator with organic vapor cartridge and full facepiece. Chemical respirator with organic vapor cartridge and full facepiece if threshold limits are exceeded. Applicable for industrial settings only.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	Observe any medical surveillance requirements. When using do not smoke. Keep away from food and drink. 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

9. Physical and chemical properties		
Appearance	Clear.	
Physical state	Liquid.	
Form	Aerosol.	
Color	Red	
Odor	Diesel Fuel odor	
Odor threshold	Not available.	
рН	Not available.	
Melting point/freezing point	Not available.	
Initial boiling point and boiling range	330 °F (165.56 °C) estimated	
Flash point	136.0 °F (57.8 °C) Tag Closed Cup	
Evaporation rate	Not available.	
Flammability (solid, gas)	Not applicable.	
Upper/lower flammability or exp	losive limits	
Flammability limit - lower (%)	0.7 % estimated	
Flammability limit - upper (%)	5 % estimated	
Explosive limit - lower (%)	Not available.	
Explosive limit - upper (%)	Not available.	
Vapor pressure	2.67 hPa estimated	
Vapor density	Not available.	
Relative density	0.834 g/cm3	
Solubility(ies)		
Solubility (water)	0.1	
Partition coefficient (n-octanol/water)	Not available.	
Auto-ignition temperature	500 °F (260 °C) estimated	
Decomposition temperature	Not available.	
Viscosity	Not available.	
Other information	None known.	
Density	7.01 lbs/gal	

Explosive properties	Not explosive.
Flame extension	> 37 in
Flammability (flash back)	No
Flammability class	Combustible II estimated
Heat of combustion (NFPA 30B)	39.8 kJ/g
Oxidizing properties	Not oxidizing.
Percent volatile	0.98 % estimated
Specific gravity	0.84
VOC	14.69 % estimated

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	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
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. Prolonged inhalation may be harmful.
Skin contact	Causes skin irritation.
Eye contact	Causes serious eye irritation.
Ingestion	Harmful if swallowed. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.
Symptoms related to the physical, chemical and toxicological characteristics	Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

Information on toxicological effects

Acute toxicity

May be fatal if swallowed and enters airways.

Components	Species	Test Results
NAPHTHALENE (CAS 91-20-3)		
Acute		
Dermal		
LD50	Rabbit	> 2 g/kg
Oral		
LD50	Rat	490 mg/kg
Petroleum naphtha (CAS 64742-9	94-5)	
Acute		
Inhalation		
LC50	Rat	61 mg/l, 4 Hours
Skin corrosion/irritation	Causes skin 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	Suspected of causing cancer.			
IARC Monographs. Overall Evaluation of Carcinogenicity				
NAPHTHALENE (CAS 91-20-3)		2B Possibly carcinogenic to humans.		
Petroleum Distillate Aliphatic (CAS 68476-34-6)		3 Not classifiable as to carcinogenicity to humans.		
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)				
Not regulated.				
US. National Toxicology Program (NTP) Report on Carcinogens				
NAPHTHALENE (CAS 91-20-3)		Reasonably Anticipated to be a Human Carcinogen.		
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.			
Specific target organ toxicity - single exposure	May cause drowsiness and dia	zziness.		
Specific target organ toxicity - repeated exposure	May cause damage to organs through prolonged or repeated exposure.			
Aspiration hazard	May be fatal if swallowed and enters airways.			
Chronic effects	May cause damage to organs be harmful. Prolonged exposu	through prolonged or repeated exposure. Prolonged inhalation may re may cause chronic effects.		

12. Ecological information

Ecotoxicity	Toxic to aqua	Toxic to aquatic life with long lasting effects.		
Components		Species	Test Results	
NAPHTHALENE (CAS 91-20)-3)			
Aquatic				
Crustacea	EC50	Water flea (Daphnia magna)	1.09 - 3.4 mg/l, 48 hours	
Fish	LC50	Pink salmon (Oncorhynchus gorbuscha)	1.11 - 1.68 mg/l, 96 hours	
Petroleum naphtha (CAS 64 Aquatic	742-94-5)			
Crustacea	EC50	Water flea (Daphnia pulex)	2.7 - 5.1 mg/l, 48 hours	
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	8.8 mg/l, 96 hours	
			8.8 mg/l, 96 hours	
Persistence and degradability	No data is av	ailable on the degradability of any ingredie	nts in the mixture.	
Bioaccumulative potential				
Partition coefficient n-octa NAPHTHALENE Tert-butylbenzene	nol / water (log	Kow) 3.3 4.11		
Mobility in soil	No data avai	No data available.		
Other adverse effects	The product of potential.	The product contains volatile organic compounds which have a photochemical ozone creation potential.		
13. Disposal consideration	ons			
Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Incinerate the material under controlled conditions in an approved incinerator. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose of contents/container in accordance with local/regional/national/international regulations.			
Local disposal regulations	Dispose in a	Dispose in accordance with all applicable regulations.		
Hazardous waste code	The waste co	D001: Waste Flammable material with a flash point <140 F The waste code should be assigned in discussion between the user, the producer and the waste disposal company.		
Waste from residues / unused products		accordance with local regulations. Empty of lues. This material and its container must b ructions).		

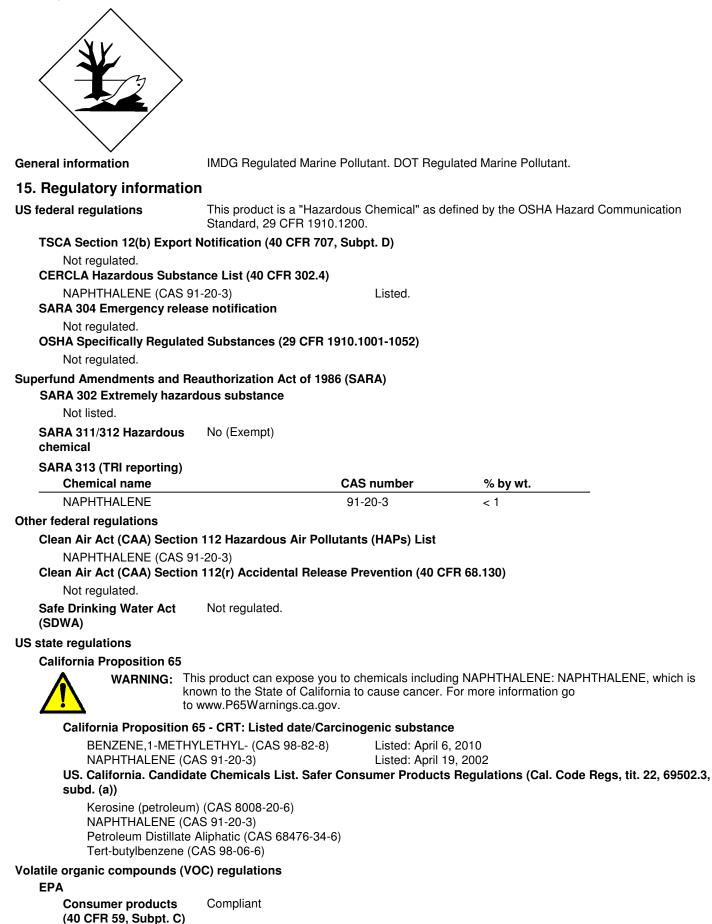
Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or **Contaminated packaging** disposal. Do not re-use empty containers.

14. Transport information

DOT	
UN number	Not available.
UN proper shipping name	Consumer Commodity, MARINE POLLUTANT
Transport hazard class(es)	
Class	ORM-D
Subsidiary risk	-
Packing group	Not available.
Environmental hazards	
Marine pollutant	Yes
	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	T75, TP5
Packaging exceptions	306
Packaging non bulk	304
Packaging bulk	314, 315
IATA	
UN number	UN1950
UN proper shipping name	Aerosols, flammable
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Packing group	Not available.
Environmental hazards	Yes
ERG Code	10L
	Read safety instructions, SDS and emergency procedures before handling.
Other information	ricad salety instructions, ODO and emergency procedures before nanding.
Passenger and cargo	Allowed with restrictions.
aircraft	
Cargo aircraft only	Allowed with restrictions.
IMDG	
UN number	UN1950
UN proper shipping name	AEROSOLS, MARINE POLLUTANT
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Packing group	Not available.
Environmental hazards	
Marine pollutant	Yes
EmS	F-D, S-U
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	
IATA: IMDG	



Marine pollutant



International Inventories

Country(s) or region	Inventory name On inventory (y	es/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
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
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
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	No
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

Issue date	05-20-2015
Revision date	10-01-2018
Version #	09
HMIS® ratings	Health: 3* Flammability: 2 Physical hazard: 0
NFPA ratings	Health: 2 Flammability: 2 Instability: 0
NFPA ratings	20
Disclaimer	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.

Revision information This document has undergone significant changes and should be reviewed in its entirety.