

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 04/06/2015 Revision date: 04/06/2015 Version: 1.1

SECT	ION 1: Identification of the	e substance/mixture and of the company/undertaking
1.1.	Product identifier	
Product form		: Article
Name		: Kerosene Thermometer
1.2.	Relevant identified uses of the	e substance or mixture and uses advised against
Use of	the substance/mixture	: Thermometer
1.3.	Details of the supplier of the s	safety data sheet
GSC International, Inc. 1747 N. Deffer Drive Nixa, MO 65714 United States of America		
Tel: 417-374-7431 Fax: 417-374-7442 Email: info@gscinternationalinc.com		

Emergency telephone number 1.4.

Country	Organization/Company	Address	Emergency number
MEXICO	Servicio de Informacion Toxicologica Sintox	Tintoreto #32 Edif. a Desp. Col. Nochebuena Mixcoac México, D.F.	1 800 009 2800 +52 55 5611 2634 /+52 55 5598 9095
UNITED STATES OF AMERICA	American Association of Poison Control Centers		1-800-222-1222

SECTION 2: Hazards identification

Classification of the substance or mixture 2.1.

Classification (GHS-US)

Flam. Liq. 3 H226 Skin Irrit. 2 H315 Full text of H-phrases: see section 16

2.2. **Label elements**

GHS-US labeling

Hazard pictograms (GHS-US)

	GHS02 GHS07
Signal word (GHS-US)	: Warning
Hazard statements (GHS-US)	: H226 - Flammable liquid and vapor H315 - Causes skin irritation
Precautionary statements (GHS-US)	 P210 - Keep away from heat/sparks/open flames/hot surfaces No smoking P233 - Keep container tightly closed P240 - Ground/bond container and receiving equipment P241 - Use explosion-proof electrical/ventilating/lighting/ equipment P242 - Use only non-sparking tools

P243 - Take precautionary measures against static discharge

Other hazards 2.3.

No additional information available

2.4. Unknown acute toxicity (GHS-US)

Not applicable

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First-aid measures after eye contact

Symptoms/injuries after skin contact

Treat symptomatically.

First-aid measures after ingestion

4.2.

4.3.

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Indication of any immediate medical attention and special treatment needed

Most important symptoms and effects, both acute and delayed

persist.

: Causes skin irritation.

3.1. Substance				
Not applicable				
3.2. Mixture				
Name	Product identifier	%	Classification (GHS-US)	
kerosene	(CAS No) 8008-20-6	0 - 100	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Asp. Tox. 1, H304 Aquatic Chronic 2, H411	
Full text of H-phrases: see section 16 SECTION 4: First aid measure	e			
4.1. Description of first aid measure				
First-aid measures general	J , J ,	ever give anything by mouth to an unconscious person. If you feel unwell, seek medical dvice (show the label where possible).		
First-aid measures after inhalation	: Allow victim to breathe fresh air. A	llow victim to breathe fresh air. Allow the victim to rest.		
First-aid measures after skin contact		Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash with plenty of soap and water. Wash contaminated clothing before reuse. Get medical		

advice/attention. If skin irritation occurs: Gently wash with plenty of soap and water.

: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness

SECTION 5: Firefighting measures 5.1. **Extinguishing media** : Foam. Dry powder. Carbon dioxide. Water spray. Sand. Suitable extinguishing media Unsuitable extinguishing media : Do not use a heavy water stream. 5.2. Special hazards arising from the substance or mixture Fire hazard : Flammable liquid and vapor. Explosion hazard : May form flammable/explosive vapor-air mixture. Reactivity : The product is stable at normal handling and storage conditions. 5.3. Advice for firefighters : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any **Firefighting instructions** chemical fire. Prevent fire-fighting water from entering environment. : Do not enter fire area without proper protective equipment, including respiratory protection. Protection during firefighting SECTION 6: Accidental release measures Personal precautions, protective equipment and emergency procedures 6.1. General measures : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smokina. 6.1.1. For non-emergency personnel Emergency procedures : Evacuate unnecessary personnel. For emergency responders 6.1.2. Protective equipment : Equip cleanup crew with proper protection. Emergency procedures Ventilate area. 6.2 **Environmental precautions**

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

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6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage		
7.1. Precautions for safe handling		
Additional hazards when processed	Handle empty containers with care because residual vapors are flammable.	
Precautions for safe handling	Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. No open flames. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools.	
Hygiene measures	: Wash Skin thoroughly after handling.	
7.2. Conditions for safe storage, inclu	iding any incompatibilities	
Technical measures	 Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof Flame proof, lighting, electrical equipment and ventilation equipment. 	
Storage conditions	: Keep container tightly closed. Keep only in the original container in a cool, well ventilated place away from : Direct sunlight, Heat-ignition.	
Incompatible products	: Strong bases. Strong acids.	
Incompatible materials	: Sources of ignition. Direct sunlight. Heat sources.	
7.3. Specific end use(s)		

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control pa	rameters			
Kerosene Thermometer				
ACGIH	Not applicable			
OSHA	Not applicable	Not applicable		
kerosene (8008-20-6)				
ACGIH	ACGIH TWA (mg/m³)	200 mg/m³		
OSHA	Not applicable			

8.2. Exposure controls

Appropriate engineering controls Personal protective equipment : Provide adequate general and local exhaust ventilation.

: Protective clothing. Protective goggles.



- : Not required for normal conditions of use.
- : Where eye contact may occur from use, Wear eye protection.
- : Not required for normal conditions of use.
- : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.
- : Do not eat, drink or smoke during use.

Hand protection Eye protection Skin and body protection Respiratory protection

Other information

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SECTION 9: Physical and chemical properties			
9.1. Information on basic physical and ch	emical properties		
Physical state	: Liquid		
Color	: red		
Odor	: No data available		
Odor threshold	: No data available		
рН	: No data available		
Relative evaporation rate (butyl acetate=1)	: No data available		
Melting point	: No data available		
Freezing point	: No data available		
Boiling point	: 175 - 325 °C		
Flash point	: 38 °C		
Auto-ignition temperature	: 210 °C		
Decomposition temperature	: No data available		
Flammability (solid, gas)	: No data available		
Vapor pressure	: 1 mm Hg 20°C		
Relative vapor density at 20 °C	: 4,5		
Relative density	: No data available		
Specific gravity / density	: ≈ 0,84 g/cm ³		
Solubility	 insoluble in water. Water: Solubility in water of component(s) of the mixture : •: 0,0007 g/100ml 		
Log Pow	: No data available		
Log Kow	: No data available		
Viscosity, kinematic	: No data available		
Viscosity, dynamic	: No data available		
Explosive properties	: No data available		
Oxidizing properties	: No data available		
Explosive limits	: 0,7 - 5 vol %		
9.2. Other information			

No additional information available

No additional information available
SECTION 10: Stability and reactivity
10.1. Reactivity
The product is stable at normal handling and storage conditions.
10.2. Chemical stability
Flammable liquid and vapor. May form flammable/explosive vapor-air mixture.
10.3. Possibility of hazardous reactions
Not established.
10.4. Conditions to avoid
Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.
10.5. Incompatible materials
Strong acids. Strong bases.
10.6. Hazardous decomposition products
Fume. Carbon monoxide. Carbon dioxide. May release flammable gases.
SECTION 11: Toxicological information
11.1. Information on toxicological effects

Acute toxicity

: Not classified

(Based on available data, the classification criteria are not met)

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kerosene (8008-20-6)			
LD50 oral rat	> 5000 mg/kg (Rat)		
LD50 dermal rat	> 2000 mg/kg (Rat)		
LD50 dermal rabbit	> 2000 mg/kg (Rabbit)		
LC50 inhalation rat (mg/l)	> 5,28 mg/l/4h (Rat)		
Skin corrosion/irritation	: Causes skin irritation.		
Serious eye damage/irritation	Not classified		
	(Based on available data, the classification criteria are not met)		
Respiratory or skin sensitization	: Not classified		
	(Based on available data, the classification criteria are not met)		
Germ cell mutagenicity	: Not classified		
	(Based on available data, the classification criteria are not met)Based on available data, the classification criteria are not met		
Carcinogenicity	: Not classified		
	(Based on available data, the classification criteria are not met)		
kerosene (8008-20-6)			
IARC group	3 - Not classifiable		
Reproductive toxicity	: Not classified		
	(Based on available data, the classification criteria are not met)Based on available data, the classification criteria are not met		
Specific target organ toxicity (single exposure)	: Not classified		
	(Based on available data, the classification criteria are not met)		
Specific target organ toxicity (repeated	: Not classified		
exposure)	(Based on available data, the classification criteria are not met)		
Aspiration hazard	: Not classified		
	(Based on available data, the classification criteria are not met)		
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.		
Symptoms/injuries after skin contact	: Causes skin irritation.		
SECTION 12: Ecological information			
12.1. Toxicity			

cology - water	: Toxic to aquatic life with long lasting effects.	
kerosene (8008-20-6)		
LC50 fish 1	18 - 25 mg/l (96 h; Pisces)	
LC50 other aquatic organisms 1	1 - 100 mg/l	
EC50 Daphnia 1	1,4 - 21 mg/l (Daphnia magna)	
LC50 fish 2	45 mg/l (Pimephales promelas)	
TLM fish 1	2990 ppm (24 h; Lepomis macrochirus)	
Threshold limit other aquatic organisms 1	1 - 100	
THE REPORT OF A	4 - 8,Algae	
Threshold limit algae 1	4 - 8,Algae	
2.2. Persistence and degradability Kerosene Thermometer	4 - 8,Algae	
2.2. Persistence and degradability	4 - 8,Algae May cause long-term adverse effects in the environment.	
2.2. Persistence and degradability Kerosene Thermometer		

Kerosene Thermometer	
Bioaccumulative potential	Not established.

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kerosene (8008-20-6)		
Log Pow	3,3 - 6 (Calculated)	
Bioaccumulative potential	bioaccumulative.	
12.4. Mobility in soil		
kerosene (8008-20-6)		
Surface tension	0,02 - 0,03 N/m	
12.5. Other adverse effects		
Effect on ozone layer	:	
Effect on the global warming	: No known ecological damage caused by this product.	
Other information	: Avoid release to the environment.	
SECTION 13: Disposal considerations		
13.1. Waste treatment methods		
Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.	
Additional information	: Handle empty containers with care because residual vapors are flammable.	

Ecology - waste materials

SECTION 14: Transport information

In accordance with DOT	
Transport document description	: UN1223 Kerosene, 3, III
UN-No.(DOT)	: UN1223
Proper Shipping Name (DOT)	: Kerosene
Hazard Classes (DOT)	: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Hazard labels (DOT)	: 3 - Flammable liquid

: Avoid release to the environment.

Packing group (DOT) DOT Special Provisions (49 CFR 172.102)

- : III Minor Danger
- : 144 If transported as a residue in an underground storage tank (UST), as defined in 40 CFR 280.12, that has been cleaned and purged or rendered inert according to the American Petroleum Institute (API) Standard 1604 (IBR, see 171.7 of this subchapter), then the tank and this material are not subject to any other requirements of this subchapter. However, sediments remaining in the tank that meet the definition for a hazardous material are subject to the applicable regulations of this subchapter.

B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable.

IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).

T2 - 1.5 178.274(d)(2) Normal..... 178.275(d)(3)

TP2 - a. The maximum degree of filling must not exceed the degree of filling determined by the following: (image) Where: tr is the maximum mean bulk temperature during transport, tf is the temperature in degrees celsius of the liquid during filling, and a is the mean coefficient of cubical expansion of the liquid between the mean temperature of the liquid during filling (tf) and the maximum mean bulk temperature during transportation (tr) both in degrees celsius. b. For liquids transported under ambient conditions may be calculated using the formula: (image) Where: d15 and d50 are the densities (in units of mass per unit volume) of the liquid at 15 C (59 F) and 50 C (122 F), respectively.

DOT Packaging Exceptions (49 CFR 173.xxx)
DOT Packaging Non Bulk (49 CFR 173.xxx)
DOT Packaging Bulk (49 CFR 173.xxx)

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DOT Quantity Limitations Passenger aircraft/rail	. 60 I	
(49 CFR 173.27)		
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 220 L	
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.	
Additional information		
Other information	: No supplementary information available.	
ADR		
Transport document description	: UN 1223 KEROSENE, 3, III, (D/E)	
Packing group (ADR)	: 111	
Class (ADR)	: 3 - Flammable liquid	
Hazard identification number (Kemler No.)	: 30	
Classification code (ADR)	: F1	
Hazard labels (ADR)	: 3 - Flammable liquids	
Orange plates	- 30	
Tunnel restriction code (ADR)	1223 : D/E	
LQ	: 51	
Excepted quantities (ADR)	: E1	
Transport by sea		
UN-No. (IMDG)	: 1223	
Proper Shipping Name (IMDG)	: KEROSENE	
Class (IMDG)	: 3 - Flammable liquids	
Packing group (IMDG)	: III - substances presenting low danger	
Air transport		
UN-No.(IATA)	: 1223	
Proper Shipping Name (IATA)	: Kerosene	
Class (IATA)	: 3 - Flammable Liquids	
Packing group (IATA)	: III - Minor Danger	
SECTION 15: Regulatory information		
15.1. US Federal regulations		
kerosene (8008-20-6)		

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

No additional information available

EU-Regulations No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flam. Liq. 3H226Skin Irrit. 2H315Aquatic Chronic 2H411

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Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xi; R38 N; R51/53 R10 Full text of R-phrases: see section 16

15.2.2. National regulations

15.3. US State regulations

SECTION 16: Other information	
Revision date	: 04/06/2015
Data sources	REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Other information	: None.

Full text of H-phrases:

Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Asp. Tox. 1	Aspiration hazard Category 1
Flam. Liq. 3	Flammable liquids Category 3
Skin Irrit. 2	Skin corrosion/irritation Category 2
H226	Flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H411	Toxic to aquatic life with long lasting effects

NFPA health hazard	: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.
NFPA fire hazard	: 3 - Liquids and solids that can be ignited under almost all ambient conditions.
NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
HMIS III Rating	
Health	: 1 Slight Hazard - Irritation or minor reversible injury possible
Flammability	: 3 Serious Hazard
Physical	: 0 Minimal Hazard
Personal Protection	: B

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.