



## SAFETY DATA SHEET

According to the Hazard Communication Standard, 29 CFR 1910.1200

SDS # : 083638

### CARTER SH 220

Date of the previous version: not applicable

Revision Date: 2015-04-17

Version 1

#### 1. IDENTIFICATION

##### Product identifier

Product name CARTER SH 220

##### Other means of identification

Product Code(s) 083638

Number 1JQ

Substance/mixture Mixture

##### Recommended use of the chemical and restrictions on use

Identified uses synthetic. Industrial gear oil.

Uses advised against Do not use for any purpose other than the one for which it is intended

##### Details of the supplier of the safety data sheet

Supplier Address TOTAL Specialties USA Inc  
1201 Louisiana Street, Suite 1800  
Houston, TX 77002  
Phone: +1 800 323 3198

Contact Point Technical/ HSEQ

E-mail Address USRMLIN-info@total.com

##### Emergency telephone number

Company Phone Number

+1 (908) 862-9300

Emergency telephone

CHEMTREC: +1 800 424 9300 (24h)

#### 2. HAZARDS IDENTIFICATION

##### Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

##### Label elements

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)



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**Unknown Acute Toxicity**

No information available

**Hazards not otherwise classified (HNOC)**

- None known

**Other information**

- Contaminated surfaces will be extremely slippery
- Should not be released into the environment

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS-No	Weight %
Amines, C12-14-tert-alkyl	68955-53-3	<1

**4. FIRST AID MEASURES****First aid measures for different exposure routes**

<b>General advice</b>	IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR EMERGENCY MEDICAL CARE.
<b>Eye contact</b>	Rinse thoroughly with plenty of water, also under the eyelids.
<b>Skin contact</b>	Remove contaminated clothing and shoes. Wash off with soap and water. Wash contaminated clothing before reuse.
<b>Inhalation</b>	Move to fresh air.
<b>Ingestion</b>	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

**Most important symptoms/effects, acute and delayed**

<b>Skin contact</b>	Not classified. May produce an allergic reaction.
<b>Eye contact</b>	Not classified.
<b>Inhalation</b>	Not classified. Inhalation of vapors in high concentration may cause irritation of respiratory system.
<b>Ingestion</b>	Not classified. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
<b>Symptoms</b>	Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.



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**Indication of immediate medical attention and special treatment needed, if necessary**

Notes to physician Treat symptomatically.

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media** Carbon dioxide (CO<sub>2</sub>). ABC powder. Foam. Water spray or fog.**Unsuitable Extinguishing Media** Do not use a solid water stream as it may scatter and spread fire.**Special Hazard** Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. These may be highly dangerous if inhaled in confined spaces or at high concentration.**Explosion Data****Sensitivity to Mechanical Impact** none.  
**Sensitivity to Static Discharge** none.**Protective Equipment and Precautions for Firefighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Evacuate non-essential personnel.**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures****General Information** Do not touch or walk through spilled material. Contaminated surfaces will be extremely slippery. Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition.**Other information** See Section 12 for additional information.**Environmental precautions****General Information** Do not allow material to contaminate ground water system. Try to prevent the material from entering drains or water courses. Local authorities should be advised if significant spillages cannot be contained.**Methods and materials for containment and cleaning up****Methods for cleaning up** Dam 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). Keep in suitable, closed containers for disposal.**7. HANDLING AND STORAGE****Precautions for safe handling****Advice on safe handling** When using, do not eat, drink or smoke. For personal protection see section 8. Use only in well-ventilated areas. Do not breathe vapors or spray mist. Avoid contact with skin, eyes and clothing.



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<b>Prevention of fire and explosion</b>	Take precautionary measures against static discharges: Ground/bond containers, tanks and transfer/receiving equipment.
<b>Hygiene measures</b>	Ensure the application of strict rules of hygiene by the personnel exposed to the risk of contact with the product. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Do not use abrasives, solvents or fuels. Do not dry hands with rags that have been contaminated with product. Do not put product contaminated rags into workwear pockets.
<b><u>Conditions for safe storage, including any incompatibilities</u></b>	
<b>Technical measures/Storage conditions</b>	Keep away from food, drink and animal feedingstuffs. Keep in a bunded area. Keep container tightly closed. Keep preferably in the original container. Otherwise reproduce all indication of the regulation label on the new container. Do not remove the hazard labels of the containers (even if they are empty). Design the installations in order to avoid accidental emissions of product (due to seal breakage, for example) onto hot casings or electrical contacts. Protect from frost, heat and sunlight. Protect from moisture.
<b>Materials to Avoid</b>	Strong oxidizing agents.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters**

<b>Exposure limits</b>	Mineral oil mist: USA: OSHA (PEL) TWA 5 mg/m <sup>3</sup> , NIOSH (REL) TWA 5 mg/m <sup>3</sup> , STEL 10 mg/m <sup>3</sup> , ACGIH (TLV) TWA 5 mg/m <sup>3</sup> (highly refined).
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**Exposure controls**

<b>Engineering Measures</b>	Apply technical measures to comply with the occupational exposure limits. When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment.
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**Individual protection measures, such as personal protective equipment**

<b>General Information</b>	If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers. These recommendations apply to the product as supplied.
<b>Eye/Face Protection</b>	If splashes are likely to occur, wear: Safety glasses with side-shields.
<b>Skin and body protection</b>	Wear suitable protective clothing. Protective shoes or boots.



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**Hand Protection**

Hydrocarbon-proof gloves. Rubber gloves. Nitrile rubber. 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.

**Respiratory protection**

None required under normal usage. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene measures**

Ensure the application of strict rules of hygiene by the personnel exposed to the risk of contact with the product. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Do not use abrasives, solvents or fuels. Do not dry hands with rags that have been contaminated with product. Do not put product contaminated rags into workwear pockets.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Physical and chemical properties**

Color	amber
Physical State @20°C	liquid
Odor	Petroleum distillates
Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks</u>	<u>Method</u>
pH		Not applicable	
Melting point/range		No information available	
Boiling point/boiling range		Not applicable	
Flash point	237 °C 459 °F		Cleveland Open Cup (COC) ISO 2592 Cleveland Open Cup (COC). ISO 2592.
Evaporation rate	0.91	@ 25 °C	
Flammability Limits in Air		No information available	
upper	-	No information available	
Lower	-	No information available	
Vapor Pressure		No information available	
Vapor density	> 1	(Air = 1)	
Relative density	0.860	@ 15 °C	ISO 3675
Density	859.7 kg/m <sup>3</sup>	@ 15 °C	ISO 3675
Water solubility		Insoluble	
Solubility in other solvents		No information available	
logPow		No information available	
Autoignition temperature		Not applicable	



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<b>Decomposition temperature</b>		No information available	
<b>Viscosity, kinematic</b>	220.1 mm <sup>2</sup> /s	@ 40 °C	ISO 3104
<b>Explosive properties</b>	Not explosive		
<b>Oxidizing Properties</b>	Not applicable		
<b>Possibility of hazardous reactions</b>	Not applicable		
<b>Other information</b>			
<b>Pour point</b>	-45 °C		ISO 3016

**10. STABILITY AND REACTIVITY**

<b>Reactivity</b>	No information available.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	None under normal processing.
<b>Conditions to Avoid</b>	Heat (temperatures above flash point), sparks, ignition points, flames, static electricity.
<b>Incompatible Materials</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products</b>	None under normal use.

**11. TOXICOLOGICAL INFORMATION****Acute toxicity****Information on likely routes of exposure****Product Information**

<b>Skin contact</b>	Not classified. May produce an allergic reaction.
<b>Eye contact</b>	Not classified.
<b>Inhalation</b>	Not classified. Inhalation of vapors in high concentration may cause irritation of respiratory system.
<b>Ingestion</b>	Not classified. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Numerical measures of toxicity - Product Information**

<b>Unknown Acute Toxicity</b>	No information available
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**Component Information**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
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Amines, C12-14-tert-alkyl 68955-53-3	LD50 >500 mg/kg bw (rat-OECD 401) LD50 612 mg/kg bw (rat-OECD 401) LD50 1177 mg/kg bw (rat-OECD 401) LD50 >250 mg/kg bw (rat) Dimin 50 mg/kg bw (rat)	LD50 251 mg/kg bw (rat-OECD 402) LD50 >200 mg/kg (rabbit) LD50 2000 mg/kg (rabbit)	LD50 (4h) >= 157 ppm (vapour rat-OECD 403) LC50 (4h) 157 ppm (rat vapour-OECD 403) LC50 (4h) >231 ppm (rat vapour-OECD 403)
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**Information on toxicological effects**

**Symptoms** Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** Not classified as a sensitizer. Contains sensitizer(s). May cause sensitization of susceptible persons.

**Carcinogenicity** This product is not classified carcinogenic.

**Mutagenicity** This product is not classified as mutagenic.

**Reproductive toxicity** This product does not present any known or suspected reproductive hazards.

**Target Organ Effects (STOT)** No known effects under normal use conditions.

**Other adverse effects** Characteristic skin lesions (pimples) may develop following prolonged and repeated exposures (contact with contaminated clothing).

**Aspiration Hazard** No known effect based on information supplied.

**12. ECOLOGICAL INFORMATION****Ecotoxicity****Acute aquatic toxicity - Product Information**

No information available

**Acute aquatic toxicity - Component Information**

No information available

**Chronic aquatic toxicity - Product Information**

No information available

**Chronic aquatic toxicity - Component Information**

No information available

**Effects on terrestrial organisms** No information available.



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**Persistence and degradability****General Information** No information available.**Bioaccumulative potential****Product Information** No information available.**logPow** No information available**Component Information**

Chemical Name	log Pow
Amines, C12-14-tert-alkyl 68955-53-3	2.9

**Mobility****Soil** Given its physical and chemical characteristics, the product generally shows low soil mobility**Air** Loss by evaporation is limited**Water** Insoluble The product spreads on the surface of the water.**Other adverse effects****General Information** No information available**13. DISPOSAL CONSIDERATIONS****Waste treatment****Waste Disposal Methods** Dispose of in accordance with local regulations.**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal.**14. TRANSPORT INFORMATION****DOT** Not regulated**TDG** Not regulated**MEX** Not regulated**ICAO/IATA** Not regulated**IMDG/IMO** Not regulated





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ADR/RID Not regulatedADN Not regulated**15. REGULATORY INFORMATION**

International Inventories All the substances contained in this product are listed or exempted from listing in the following inventories:  
U.S.A. (TSCA)

**U.S. Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	no
<b>Chronic Health Hazard</b>	no
<b>Fire Hazard</b>	no
<b>Sudden Release of Pressure Hazard</b>	no
<b>Reactive Hazard</b>	no

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**U.S. State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

No information available

**16. OTHER INFORMATION**



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<b><u>NFPA</u></b>	<b>Health Hazard 1</b>	<b>Flammability 1</b>	<b>Instability 0</b>	<b>Physical and chemical hazards -</b>
<b><u>HMIS</u></b>	<b>Health Hazard 1</b>	<b>Flammability 1</b>	<b>Physical Hazard 0</b>	<b>Personal protection X</b>

NFPA (National Fire Protection Association)

HMIS (Hazardous Material Information System)

Hazards are split into categories each with a 0 to 4 rating, 0 meaning no hazard and 4 meaning high hazard

**Revision Date:** 2015-04-17  
**Revision Note** No information available  
**Abbreviations, acronyms**

**Legend**

Section 8

ACGIH - American Conference of Governmental Industrial Hygienists

OSHA - Occupational Safety and Health Administration

NIOSH - National Institute for Occupational Safety and Health

TLV - Threshold Limit Values

PEL - Permissible Exposure Limits

IDHL - Immediately Dangerous to Life or Health concentrations

TWA - Time Weight Average

STEL - Short Term Exposure Limits

S\* - Skin notation

TSCA - Toxic Substance Control Act

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.

End of the safety data sheet