



## SAFETY DATA SHEET

According to the Hazard Communication Standard, 29 CFR 1910.1200

SDS # : 083095

### RUBIA S 30

Date of the previous version: not applicable

Revision Date: 2015-05-12

Version 1

#### 1. IDENTIFICATION

##### Product identifier

Product name RUBIA S 30

##### Other means of identification

Product Code(s) 083095

Number 744  
Substance/mixture Mixture

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

Identified uses Heavy duty diesel.

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

Serious eye damage/eye irritation - Category 2A  
Skin sensitization - Category 1  
Reproductive toxicity - Category 2

##### Label elements



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### WARNING

Causes serious eye irritation  
 May cause an allergic skin reaction  
 Suspected of damaging fertility or the unborn child

#### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling  
 Avoid breathing dust/fume/gas/mist/vapours/ spray  
 Contaminated work clothing should not be allowed out of the workplace  
 Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Use personal protective equipment as required  
 Wear protective gloves/protective clothing/eye protection/face protection

#### Precautionary Statements - Response

Specific treatment (see Section 4 on this label)  
 IF exposed or concerned: Get medical advice/attention

#### Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 If eye irritation persists: Get medical advice/attention

#### Skin

IF ON SKIN: Wash with plenty of soap and water  
 If skin irritation or rash occurs: Get medical advice/attention  
 Wash contaminated clothing before reuse

#### Precautionary Statements - Storage

Store locked up

#### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

#### Unknown Acute Toxicity

No information available

#### Hazards not otherwise classified (HNOC)

- Causes mild skin irritation

#### Other information

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



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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS-No	Weight %
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	84605-29-8	1-3
Benzene sulfonic acid, mono-C16-24-alkyl derivatives, calcium salts	70024-69-0	0-5
Phenol, dodecyl-, branched	121158-58-5	0-5
O,O,O-triphenyl phosphorothioate	597-82-0	0-5

**Additional information** Product containing mineral oil with less than 3% DMSO extract as measured by IP 346

**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>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Get medical attention immediately if irritation persists.
<b>Skin contact</b>	Remove contaminated clothing and shoes. Wash off with soap and water. Wash contaminated clothing before reuse. May cause an allergic skin reaction. Seek medical attention if skin irritation, swelling or redness develops and persists.
<b>Inhalation</b>	Inhalation of high concentrations of vapor or aerosols may cause irritation of the upper respiratory tract.
<b>Ingestion</b>	If swallowed, do not induce vomiting - seek medical advice. Never give anything by mouth to an unconscious person. Rinse mouth. May produce an allergic reaction.

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

<b>Skin contact</b>	Causes mild skin irritation. May cause an allergic skin reaction.
<b>Eye contact</b>	Causes serious eye irritation.
<b>Inhalation</b>	Not classified. Inhalation of dust in high concentration may cause irritation of respiratory system.
<b>Ingestion</b>	Suspected of damaging fertility or the unborn child. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
<b>Symptoms</b>	Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Redness. Itching.



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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** Foam. Carbon dioxide (CO<sub>2</sub>). ABC powder. Water spray.**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. See Section 12 for additional Ecological Information.**Methods and materials for containment and cleaning up****Methods for cleaning up** Dam up. Keep in suitable, closed containers for disposal. Soak up with inert absorbent material. 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). Use mechanical means such as pumps, skimmers and absorbent materials.**7. HANDLING AND STORAGE****Precautions for safe handling**



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<b>Advice on safe handling</b>	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.
<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. 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. When using, do not eat, drink or smoke. Use personal protective equipment as required. Wash hands before breaks and at the end of workday. Avoid breathing vapors, mist or gas. Avoid prolonged and repeated contact with the skin, especially with used or waste product.

### Conditions for safe storage, including any incompatibilities

<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. Keep in properly labeled containers.
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<b>Materials to Avoid</b>	Strong oxidizing agents.
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## 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>	Protective engineering solutions should be implemented and in use before personal protective equipment is considered.
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<b>Eye/Face Protection</b>	If splashes are likely to occur, wear: Safety glasses with side-shields.
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<b>Skin and body protection</b>	Wear suitable protective clothing. Protective shoes or boots.
<b>Hand Protection</b>	Hydrocarbon-proof gloves. Fluorinated rubber. 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.
<b>Respiratory protection</b>	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.
<b>Hygiene measures</b>	Ensure the application of strict rules of hygiene by the personnel exposed to the risk of contact with the product. 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. When using, do not eat, drink or smoke. Use personal protective equipment as required. Wash hands before breaks and at the end of workday. Avoid breathing vapors, mist or gas. Avoid prolonged and repeated contact with the skin, especially with used or waste product.

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

<b>Appearance</b>	viscous
<b>Color</b>	amber
<b>Physical State @20°C</b>	liquid
<b>Odor</b>	Petroleum distillates
<b>Odor Threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks</u>	<u>Method</u>
<b>pH</b>		Not applicable	
<b>Melting point/range</b>		No information available	
<b>Boiling point/boiling range</b>		no data available	
<b>Flash point</b>	<b>221 °C</b> 430 °F		ASTM D 92 ASTM D 92.
<b>Evaporation rate</b>		No information available	
<b>Flammability Limits in Air</b>		No information available	
<b>upper</b>	-	No information available	
<b>Lower</b>	-	No information available	
<b>Vapor Pressure</b>		No information available	
<b>Vapor density</b>		No information available	
<b>Relative density</b>	0.882	@ 15 °C	
<b>Density</b>	882 kg/m <sup>3</sup>	@ 15 °C	



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<b>Water solubility</b>		Not applicable	
<b>Solubility in other solvents</b>		No information available	
<b>logPow</b>		No information available	
<b>Autoignition temperature</b>		Not applicable	
<b>Decomposition temperature</b>		No information available	
<b>Viscosity, kinematic</b>	90 mm <sup>2</sup> /s	@ 40 °C	ASTM D 445
<b>Explosive properties</b>	Not explosive		
<b>Oxidizing Properties</b>	Not applicable		
<b>Possibility of hazardous reactions</b>	Not applicable		
<b><u>Other information</u></b>			
<b>Specific Gravity</b>	0.882	@ 15 °C	
<b>Freezing Point</b>		No information available	
<b>Pour point</b>	-26 °C		ASTM D 97

**10. STABILITY AND REACTIVITY**

<b><u>Reactivity</u></b>	No information available.
<b><u>Chemical stability</u></b>	Stable under recommended storage conditions.
<b><u>Possibility of hazardous reactions</u></b>	None under normal processing.
<b><u>Conditions to Avoid</u></b>	Heat, flames and sparks. Take precautionary measures against static discharges. Heat (temperatures above flash point), sparks, ignition points, flames, static electricity. Strong oxidizing agents.
<b><u>Incompatible Materials</u></b>	Strong oxidizing agents.
<b><u>Hazardous Decomposition Products</u></b>	Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot.

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

<b>Skin contact</b>	Causes mild skin irritation. May cause an allergic skin reaction.
<b>Eye contact</b>	Causes serious eye irritation.
<b>Inhalation</b>	Not classified. Inhalation of dust in high concentration may cause irritation of respiratory system.
<b>Ingestion</b>	Suspected of damaging fertility or the unborn child. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.



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**Numerical measures of toxicity - Product Information**

<b>ATEmix (oral)</b>	5237 mg/kg
<b>ATEmix (dermal)</b>	5172 mg/kg
<b>Inhalation</b>	
<b>ATEmix (inhalation-dust/mist)</b>	5.5 mg/l
<b>ATEmix (inhalation-vapor)</b>	37.9 mg/l

**Component Information**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts 84605-29-8	LD50 3200 mg/kg (Rat - OECD 401)	LD50 > 2002 mg/kg (Rat - OECD 402)	
Benzene sulfonic acid, mono-C16-24-alkyl derivatives, calcium salts 70024-69-0	LD50 > 5000 mg/kg (Rat - OECD 401)	LD50 > 5000 mg/kg (Rabbit - OECD 402)	
Phenol, dodecyl-, branched 121158-58-5	LD50 2700 mg/kg (Rat)	LD50 > 3160 mg/kg (Rat)	

**Information on toxicological effects**

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

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

**Serious eye damage/eye irritation** Irritating to eyes.  
**Sensitization** May cause an allergic skin reaction. Contains sensitizer(s).  
**Carcinogenicity** This product is not classified carcinogenic.

**Mutagenicity** This product is not classified as mutagenic.  
**Reproductive toxicity** Suspected of damaging fertility or the unborn child.  
**Other adverse effects** Characteristic skin lesions (pimples) may develop following prolonged and repeated exposures (contact with contaminated clothing).  
**Aspiration Hazard** Not classified.

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

No experimental data available

**Acute aquatic toxicity - Component Information**

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates	Toxicity to microorganisms





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Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts 84605-29-8	ErC50 (72h) 24 mg/l (Desmodemus subspicatus - OECD 201)	LL50 (96h) 4.5 mg/l (Oncorhynchus mykiss - OECD 203)	EL50 (48h) 23 mg/l (Daphnia magna - OECD 202)	
Benzene sulfonic acid, mono-C16-24-alkyl derivatives, calcium salts 70024-69-0	EC50 (72h) > 1000 mg/l (Pseudokirchnerella subcapitata - static)	LL50 (96h) > 10000mg/l (WAF - Cyprinodon variegatus - OECD 203)	EC50 (48h) > 1000 mg/l (WAF - Daphnia magna - static)	
Phenol, dodecyl-, branched 121158-58-5	EbC50 (72h) 0.15 mg/l (Scenedesmus subspicatus - OECD 201)	EL50(96h) 40 mg/l Pimephales promelas semi-static (OECD 203)	EC50(48h) 0.037 mg/l (Daphnia magna - static - OECD 202)	

**Chronic aquatic toxicity - Product Information**

No experimental data available

**Chronic aquatic toxicity - Component Information**

Chemical Name	Toxicity to algae	Toxicity to daphnia and other aquatic invertebrates	Toxicity to fish	Toxicity to microorganisms
Phenol, dodecyl-, branched 121158-58-5		NOEC(21d) 0.0037 mg/l (Daphnia magna - semi-static - OECD 211)		

**Effects on terrestrial organisms** No experimental data available .**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
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts 84605-29-8	0.56
Phenol, dodecyl-, branched 121158-58-5	7.14

**Mobility****Soil** Given its physical and chemical characteristics, the product generally shows low soil mobility**Air** Loss by evaporation is limited



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**Water** The product is insoluble and floats on 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** Dispose of in accordance with local regulations.

**14. TRANSPORT INFORMATION**

**DOT** Not regulated

**TDG** Not regulated

**MEX** Not regulated

**ICAO/IATA** Not regulated

**IMDG/IMO** Not regulated

**ADR/RID** Not regulated

**ADN** 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>	Yes
<b>Chronic Health Hazard</b>	no
<b>Fire Hazard</b>	no
<b>Sudden Release of Pressure Hazard</b>	no
<b>Reactive Hazard</b>	no



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**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 contains the following HAPs:

Chemical Name	CAS-No	Weight %	HAPS data	VOC Chemicals	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Phenol, dodecyl-, branched	121158-58-5	0-5		Group V		

**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**

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Paraffin oils (petroleum), catalytic dewaxed heavy 64742-70-7	X				
Distillates (petroleum), hydrotreated light paraffinic 64742-55-8	X				

**16. OTHER INFORMATION**

<b>NFPA</b>	<b>Health Hazard 2</b>	<b>Flammability 1</b>	<b>Instability 0</b>	<b>Physical and chemical hazards -</b>
<b>HMIS</b>	<b>Health Hazard 2</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

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Revision Note: No information available

Abbreviations, acronyms



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**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

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**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**