Corrosion Technologies
2850 Industrial Ln
Garland, TX 75041
(972) 271-7361 Fax: (972) 278-9721

BULK

NavGuard™ Safety Data Sheet

1. IDENTIFICATION

Product Identifier
Product Name: **NavGuard™**
Product Numbers: 30203, 30204, 30205, 30208, 30403, 30404, 30405, 30408
Synonyms: Not applicable
SDS Number: Not applicable
Issue Date: 7 October 2015
Version Number: AGHS7.1
Revision Date: 13 August 2024
Relevant identified uses of the substance or mixture and uses advised against
Identified Uses: Corrosion Inhibitor / Moisture Displacer
Uses advised against: Other uses are not recommended unless an assessment is completed, prior to commencement of that use, which demonstrates that the use will be controlled.
Details of the supplier of the safety data sheet
Manufacturer: Corrosion Technologies
2850 Industrial Ln, Garland, TX 75041
Telephone: 972-271-7361
Fax: 972-278-9721
Email: info@corrosionx.com
Website: www.corrosionx.com
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Oakleigh VIC
Australia 3166
PO Box 1011, Huntingdale VIC 3166
Tel: +613 9567 8700
AH: +61 427 740 927
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Emergency Telephone: CHEMTREC® USA (800) 424-9300
Outside US +1 (703) 527-3887
Poisons Information Centre: Australia: 13 11 26

2. HAZARDS IDENTIFICATION

Hazard Classification
Health Hazard(s)
Skin Irritation Category 2
Eye Irritation Category 2
Physical Hazard(s)
None
Environmental Hazard(s)
None
Hazard(s) not otherwise classified
None
Labeling
Signal Word: **DANGER**
Pictograms: Exclamation Mark

Statements of Hazard
Hazard Statements
Causes skin and eye irritation
Precautionary Statements
Store in a well-ventilated place. Keep cool. Keep away from flames and hot surfaces – No smoking. In case of fire: Use carbon dioxide, dry chemical, or foam to extinguish. Use only outdoors or in a well-ventilated area. Wear eye protection and protective gloves. Wash hands thoroughly after handling. Dispose of contents and container in accordance with applicable regulations.
If on skin: Wash with plenty of water. If skin irritation occurs: get medical advice.
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.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Percent by Wt.
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	40-60*
Heavy hydrotreated naphthenic petroleum distillates	64742-48-9	25-40*
Naphthalenesulfonic acid, dinonyl-, calcium salt (2:1)	57855-77-3	15-25*
n-Butyl acetate	123-86-4	1-3*

* Exact percentage of composition has been withheld as a trade secret

4. FIRST AID MEASURES

General Advice: Causes skin and eye irritation. Avoid skin and eye contact. Aspiration hazard; do not swallow. May cause lung damage. Use with adequate ventilation. Avoid breathing mist or vapor. Prolonged or repeated inhalation may cause dizziness and drowsiness. Keep container closed.
Inhalation: Remove from exposure area. Remove to fresh air. Give artificial respiration if not breathing. Get medical attention.
Skin Contact: Wipe excess from skin; remove contaminated clothing. Wash with soap and water. Seek medical attention if irritation persists.
Eye Contact: Flush eyes with plenty of water for 15 minutes while holding eyelids open. Seek medical attention if irritation persists.
Ingestion: Rinse mouth. Do NOT induce vomiting. Immediately call a physician or poison control center.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Suitable: Carbon Dioxide, Dry Chemical, and Foam
Unsuitable: Alcohol, Alcohol based solutions, any other media not listed above.
Fire Fighting Procedures: As in any fire, wear self-contained breathing apparatus, pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Unusual Fire and Explosion Hazards: Solvent vapors are heavier than air and may travel to distant, low lying sources of ignition and may ignite and explode.
Hazardous Combustion/ Decomposition Products: Oxides of carbon, sulfur, calcium, magnesium and phosphorous

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions / Protective Equipment / Emergency Procedures: Use caution as spills may be slippery. Ensure adequate ventilation. Use personal protective equipment. Remove all sources of ignition and take precautionary measures against static discharges.
Methods and materials for containment and cleaning up: Do not flush into surface water or sanitary sewer system. Dike and contain spillage. Soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite). Use clean non-sparking tools to collect absorbed material and transfer to a properly labeled container for disposal according to applicable regulations.

7. HANDLING AND STORAGE

HANDLING
Precautions for Safe Handling: Avoid skin and eye contact. Use with adequate ventilation. Avoid breathing mist or vapors. Follow all SDS/label precautions even after container is empty due to residue.
STORAGE
Conditions to avoid: Store in a cool, dry, well-ventilated place in the original container. Keep container closed when not in use. Avoid excess heating, high temperatures, sparks, hot surfaces, open flames, and all other sources of ignition.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS

	ACGIH		OSHA			
Component	**TLV ppm**	**TLV mg/m3**	**PEL ppm**	**PEL mg/m3**	**STEL ppm**	**STEL mg/m3**
Heavy hydrotreated naphthenic petroleum distillates	-	5	-	5	-	10
Naphthalenesulfonic acid, dinonyl-, calcium salt (2:1)	-	-	-	-	-	-
Naphtha (petroleum), hydrotreated heavy	171	1200	-	-	-	-

Engineering Controls: Use outdoors or with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.
Personal Protection
Respiratory Protection: None required under normal use conditions. In case of insufficient ventilation and for exposures above occupational exposure limits wear a NIOSH approved air purifying respirator with organic vapor cartridge.
Hand / Skin Protection: Wear impermeable gloves such as neoprene or nitrile rubber gloves. Gauntlets and apron may be worn depending on the extent and duration of exposure.
Eye / Face Protection: Safety glasses with side-shields. An eyewash station should be available to the area of use.
General Hygiene Measures: Avoid skin and eye contact. Always wash hands and face before eating, drinking or smoking. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Transparent	**Autoignition Temperature:**	Not established
Physical State:	Non-viscous liquid	**Percent Volatile by volume:**	41-29
Odor:	Hydrocarbon	**Vapor Density (Air=1) :**	>1
Color:	Amber/Lt brown	**Evaporation Rate (BuAc=1) :**	<0.01
Viscosity, cSt @ 40℃:	Not established	**Vapor Pressure, mmHg @23℃:**	>1 mmHg
cSt @ 104℃:	64.7	**Solubility in water:**	Insoluble
pH:	Not applicable	**Octanol/Water Partition:**	Not established
Boiling Point/ Range:	>450℉ / 232℃	**VOC Content g/l (%):**	290 (29)
Melting Point:	Not established	**Specific Gravity @ 22.2℃:**	0.896
Flash Point:	65℃ / 149℉	**Pour Point:**	Not established
Method:	Cleveland Open Cup	**Non-volatile by Volume (%):**	59-71
Lower Explosive Limit, vol %:	0.7	**Dielectric Strength (KV):**	28
Upper Explosive Limit, vol %:	5.3		

10. STABILITY AND REACTIVITY

Stability: Stable at ambient temperatures.
Conditions to Avoid: Avoid high temperatures, sparks, open flame, and all other sources of ignition.
Hazardous Polymerization: Will not occur.
Materials to Avoid: Bases, acids, amines and oxidizing materials.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity
Product Information: Not established
Ingredient Information: Not established
Acute Effects

Signs and Symptoms of Overexposure: Skin Irritation, Eye Irritation, Coughing, Sneezing, Dizziness, Drowsiness
Inhalation: May cause coughing and sneezing. Prolonged and repeated inhalation may cause nausea, dizziness and drowsiness.
Skin Contact: Prolonged or repeated contact may cause mild irritation in sensitive individuals.
Eye Contact: May cause stinging, tearing and redness.
Ingestion: May cause nausea, vomiting and diarrhea. Ingestion and subsequent vomiting may result in aspiration of the product into the lungs resulting in chemical pneumonitis, pneumonia, and pulmonary edema.

Primary Route(s) of Exposure: Eyes, Inhalation
Primary Route(s) of Entry: Inhalation, Ingestion
Target Organs: Skin, Eyes, Central Nervous System, lungs
Chronic Effects: None known
Carcinogenicity: Not established
Medical Conditions Aggravated by Exposure: May aggravate existing skin, eye and respiratory conditions such as asthma and dermatitis.

12. ECOLOGICAL INFORMATION

Product Data: Not established
Ingredient Data: Not established
Elimination Information: Not established

13. DISPOSAL CONSIDERATIONS

Product: Dispose of in accordance with local regulations. Smaller quantities can be disposed of with household waste.
Container: Empty remaining contents. Empty containers should be taken for local recycling, recovery, or waste disposal. Empty containers may contain residues. Do not cut, weld or grind empty containers.

14. TRANSPORT INFORMATION

Shipping descriptions may vary based on mode of transport, quantities, temperature of the material, package size, and/or origin and destination. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material. For transportation, steps must be taken to prevent load shifting or materials falling, and all relating legal statutes should be obeyed.

Road Transport
DOT Hazard Class: 3
UN-No.: UN1268
Proper Shipping Name: Petroleum distillates, n. o. s. (>119 gallon - < 119 Not Regulated)
Australian Dangerous Goods Code (ADG) - Road/Rail
Transport hazard class(es) Not regulated as dangerous goods.
Hazchem Code: 2[Z]
International Air Transport Association (IATA) – Air Transport
Transport hazard class(es) Not regulated as dangerous goods.
International Maritime Dangerous Goods Code (IMDG) – Marine Transport
Transport hazard class(es) Not regulated as dangerous goods.
Environmental hazards: Marine Pollutant: No
Transport in bulk according to Annex II of MARPOL and the IBC Code: Not intended to be transported in bulk.

15. REGULATORY INFORMATION

U.S. Federal Regulations
Toxic Substances Control Act (TSCA): All components are included on the Inventory
Superfund Amendments and Reauthorization Act (SARA) Title III:

Immediate Hazard	Delayed Hazard	Fire Hazard	Pressure Hazard	Reactivity Hazard
X	-	X	-	-

Safety, Health and Environmental Regulations/Legislation for the Substance or Mixture
Substances that deplete the ozone layer None
Persistent Organic Pollutants: None
Australia
This material is considered hazardous according to Australia Model Work Health and Safety Regulations.
This material is not regulated according to Australian Dangerous Goods Code.
Australian Inventory of Industrial Chemicals (AICIS) Listing: The chemical components contained within this product are listed on the Australian Inventory of Industrial Chemical and are in compliance with the requirements of the Industrial Chemicals Act 2019 as amended.
Poison Schedule: A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
New Zealand
Considered a Hazardous Substance according to the criteria of the New Zealand Hazardous Substances New Organisms legislation.

HSNO classification: 3.1D, 6.3A, 6.4A
HSNO approval: Corrosion Inhibitors Combustible Group Standard 2020 - HSR002546
Not classified as a Dangerous Good according to NZS5433:2007 Transport of Dangerous Goods on Land.
NZIoC (New Zealand Inventory of Chemicals): All components are listed on the NZIoC inventory or are exempt.

16. OTHER INFORMATION

Prepared by: Corrosion Technologies Technical Services Department

National Fire Protection Association (704)
Health: 1 Flammability: 2 Reactivity: 0 Other:

The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results and assume no liability for damage incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical and application of such products is the sole responsibility of the user. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers. It is the sole responsibility of the user to comply with all applicable Federal, State and Local Laws and Regulations. Any questions with regards to information contained herein should be referred to: Corrosion Technologies (972) 271-7361.