



Safety Data Sheet

Issue date 01-Dec-2014

Version 1

1. Identification of the Substance/Preparation and of the Company/Undertaking

Product Identifier

Product name HANDY-KLENZ STAINLESS STEEL CLEANER
Chemical name 7-8198

Other means of identification

Product code FG 431-2644-2
Synonyms Metal cleaner.

Recommended use of the chemical and restrictions on use

Recommended Use Metal polish.
Uses advised against Do not use to clean glass or wood surfaces.

Details of the supplier of the safety data sheet

| Supplier Address | Manufacturer Address |
|--|--|
| Norshel Industries 2933 River Road Croydon, PA 19021 215-788-2200 | Chase Products Co. 2727 Gardner Road Broadview, IL 60155 708-273-1121 |

Emergency Telephone Number

Company Phone Number 708-865-1000
24 Hour Emergency Phone Number 1-800-255-3924
Emergency telephone ChemTel 1-800-255-3924

2. Hazards Identification

Classification

| | |
|---|---------------|
| Acute toxicity - Inhalation (Gases) | Category 3 |
| Acute toxicity - Inhalation (Vapors) | Category 4 |
| Acute toxicity - Inhalation (Dusts/Mists) | Category 4 |
| Serious eye damage/eye irritation | Category 2 |
| Aspiration toxicity | Category 1 |
| FLAMMABLE AEROSOLS | Category 1 |
| Gases Under Pressure | liquefied gas |

Label Elements

EMERGENCY OVERVIEW

DANGER

hazard statements

Toxic if inhaled
Causes serious eye irritation
May be fatal if swallowed and enters airways
EXTREMELY FLAMMABLE AEROSOL
Contains gas under pressure; may explode if heated



Appearance Clear, yellowish liquid. **Physical State** Aerosol **Odor** Mild cherry-lemon odor.

Precautionary Statements - Prevention

Avoid breathing fumes, mist, vapors or spray.
 Use only outdoors or in a well-ventilated area
 Wash face, hands and any exposed skin thoroughly after handling
 Wear protective gloves, protective clothing, eye protection and face protection.
 Keep away from heat, sparks, open flames and hot surfaces. — No smoking
 Pressurized container: Do not pierce or burn, even after use
 Do not spray on an open flame or other ignition source

Precautionary Statements - Response

Specific measures. See additional cautionary statements on this label.
 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
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 Call a POISON CENTER or doctor/physician
 IF SWALLOWED: Immediately call a POISON CENTER or doctor.
 Do NOT induce vomiting

Precautionary Statements - Storage

Store locked up
 Store in a well-ventilated place. Keep container tightly closed
 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Other Information

- May be harmful in contact with skin
- Toxic to aquatic life with long lasting effects
- Toxic to aquatic life

3. Composition/information on Ingredients

Synonyms Metal cleaner.
Chemical Family MIXTURES.
Formula 7-8198

| Chemical name | CAS No | weight-% | Trade secret |
|---|------------|----------|--------------|
| Petroleum distillates, hydrotreated light | 64742-47-8 | 30-35 | * |
| Hydrotreated Heavy Naphthenic Oil | 64742-52-5 | 25-30 | * |
| Low Odor Mineral Spirits | 64742-47-8 | 10-15 | * |
| Acetone | 67-64-1 | 10-15 | * |
| Carbon Dioxide | 124-38-9 | 1-5 | * |

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First aid measures

FIRST AID MEASURES

| | |
|---------------------|---|
| Eye Contact | Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. |
| Skin contact | In case of contact, immediately flush skin with plenty of water. Wash skin with soap and water. If irritation develops, consult a physician. |
| inhalation | If overcome by vapor, move person to fresh air. If person is not breathing, call 911 or an ambulance, then provide artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advise. |
| INGESTION | Ingestion from an aerosol product is unlikely to occur. Contains petroleum distillates. Harmful if swallowed. If accidentally swallowed, do not induce vomiting, call physician immediately. |

Most important symptoms and effects, both acute and delayed

| | |
|-----------------|--|
| Symptoms | Acute: Prolonged inhalation of concentrated vapor or mist may cause headaches, dizziness and nausea. Prolonged and repeated contact with skin may cause irritation and reddening. Contact with eyes causes irritation. |
|-----------------|--|

Indication of any immediate medical attention and special treatment needed

| | |
|---------------------------|--|
| Note to physicians | Contains petroleum distillates, do not induce vomiting because of aspiration pneumonia hazard. |
|---------------------------|--|

5. Fire-fighting measures

Suitable extinguishing media

Dry chemical, CO2 or water spray.

Unsuitable extinguishing media Caution: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

This product is under pressure. Water spray may be used to cool cans in the vicinity of fire or excessive heat to prevent the explosion of the cans.

Hazardous combustion products Thermal decomposition may release carbon monoxide and carbon dioxide.

Explosion data

Sensitivity to Mechanical Impact Contents under pressure, keep away from heat and open flame.

Sensitivity to Static Discharge Keep away from heat, sparks, flame, and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

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.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Use with adequate general or local exhaust ventilation.

For emergency responders Remove all sources of ignition.

Environmental Precautions

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Environmental Precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment Provide adequate ventilation to area being treated. Soak up spills with chemically inert, absorbent material.

Methods for cleaning up Clean contaminated surface thoroughly.

7. Handling and Storage

Precautions for safe handling

Advice on safe handling Do not deliberately inhale vapor or spray mist. Avoid getting spray into eyes. Keep out of reach of children.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). **AEROSOL STORAGE LEVEL III (NFPA-30B).**

Incompatible Materials Avoid heat, open flame and contact with strong oxidizers.

8. Exposure Controls/Personal Protection

Control parameters

Exposure guidelines See occupational exposure limits listed below.

| Chemical name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|----------------------------|----------------------------------|---|---|
| Acetone 67-64-1 | STEL: 750 ppm TWA: 500 ppm | TWA: 1000 ppm TWA: 2400 mg/m ³ (vacated) TWA: 750 ppm (vacated) TWA: 1800 mg/m ³ (vacated) STEL: 2400 mg/m ³ The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors (vacated) STEL: 1000 ppm | IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m ³ |
| Carbon Dioxide 124-38-9 | STEL: 30000 ppm TWA: 5000 ppm | TWA: 5000 ppm TWA: 9000 mg/m ³ (vacated) TWA: 10000 ppm (vacated) TWA: 18000 mg/m ³ (vacated) STEL: 30000 ppm (vacated) STEL: 54000 mg/m ³ | IDLH: 40000 ppm TWA: 5000 ppm TWA: 9000 mg/m ³ STEL: 30000 ppm STEL: 54000 mg/m ³ |

Appropriate engineering controls

Engineering controls Use with adequate general or local exhaust ventilation.

Individual protection measures, such as personal protective equipment

Eye/face Protection Conventional eyeglasses to guard against splashing.

Skin and Body Protection Neoprene or rubber gloves required.

Respiratory protection Use in a well-ventilated area ONLY. **WHEN USING INDOORS, KEEP WINDOWS AND DOORS OPEN UNTIL FUMES DISSIPATE.**

General hygiene considerations Wash hands thoroughly after handling.

9. Physical and Chemical Properties

Hazardous decomposition products

Thermal decomposition may yield gases like carbon monoxide and carbon dioxide.

11. Toxicological Information

Information on likely routes of exposure

| | |
|----------------------------|--|
| Product Information | This product has not been tested as whole. See below for information on ingredients. |
| inhalation | no data available. |
| Eye Contact | no data available. |
| Skin contact | no data available. |
| INGESTION | no data available. |

| Chemical name | Oral LD50 | dermal LD50 | Inhalation LC50 |
|---|----------------------|-------------------------|---------------------------------------|
| Petroleum distillates, hydrotreated light 64742-47-8 | > 5000 mg/kg (Rat) | > 2000 mg/kg (Rabbit) | > 5.2 mg/L (Rat) 4 h |
| Low Odor Mineral Spirits 64742-47-8 | > 5000 mg/kg (Rat) | > 2000 mg/kg (Rabbit) | > 5.2 mg/L (Rat) 4 h |
| Acetone 67-64-1 | = 5800 mg/kg (Rat) | - | = 50100 mg/m ³ (Rat) 8 h |

Information on toxicological effects

Symptoms Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

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

Skin corrosion/irritation May cause skin irritation and reddening after prolonged or repeated contact with skin.
Serious eye damage/eye irritation Irritating to eyes.
irritation May cause skin and eye irritation.
corrosivity Not applicable.
sensitization No information available.
Germ Cell Mutagenicity No information available.
carcinogenicity Over exposure to petroleum solvents has been associated with nervous system damage.

Reproductive Toxicity No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Aspiration Hazard No information available.

Numerical measures of toxicity - Product Information

Unknown acute toxicity -
 The following values are calculated based on chapter 3.1 of the GHS document .
ATEmix (oral) 5612 mg/kg
ATEmix (dermal) 2587 mg/kg
ATEmix (inhalation-gas) 700 mg/l
ATEmix (inhalation-dust/mist) 3.2 mg/l
ATEmix (inhalation-vapor) 5.1 mg/l

12. Ecological Information

This product does not contain ingredients listed as marine pollutants according to DOT.

ecotoxicity

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8.98% of the mixture consists of component(s) of unknown hazards to the aquatic environment

| Chemical name | Algae/aquatic plants | Fish | Toxicity to Microorganisms | Crustacea |
|--|----------------------|---|----------------------------|--|
| Petroleum distillates, hydrotreated light 64742-47-8 | | 45: 96 h Pimephales promelas mg/L LC50 flow-through 2.4: 96 h Oncorhynchus mykiss mg/L LC50 static 2.2: 96 h Lepomis macrochirus mg/L LC50 static | | 4720: 96 h Den-dronereides heteropoda mg/L LC50 |
| Hydrotreated Heavy Naphthenic Oil 64742-52-5 | | 5000: 96 h Oncorhynchus mykiss mg/L LC50 | | 1000: 48 h Daphnia magna mg/L EC50 |
| Low Odor Mineral Spirits 64742-47-8 | | 45: 96 h Pimephales promelas mg/L LC50 flow-through 2.4: 96 h Oncorhynchus mykiss mg/L LC50 static 2.2: 96 h Lepomis macrochirus mg/L LC50 static | | 4720: 96 h Den-dronereides heteropoda mg/L LC50 |
| Acetone 67-64-1 | | 6210 - 8120: 96 h Pimephales promelas mg/L LC50 static 4.74 - 6.33: 96 h Oncorhynchus mykiss mL/L LC50 8300: 96 h Lepomis macrochirus mg/L LC50 | EC50 = 14500 mg/L 15 min | 10294 - 17704: 48 h Daphnia magna mg/L EC50 Static 12600 - 12700: 48 h Daphnia magna mg/L EC50 |

Persistence and degradability

No information available.

Bioaccumulation

No information available.

| Chemical name | Partition coefficient |
|-----------------|-----------------------|
| Acetone 67-64-1 | -0.24 |

Other adverse effects

Ozone

No information available

This product does not contain CFCs or other ozone depleting substances. Federal regulations prohibit the use CFC propellants in aerosols.

13. Disposal Considerations

Waste treatment methods

Disposal of wastes

Dispose of in accordance with federal, state and local regulations.

Contaminated packaging

Pressurized container: Do not pierce or burn, even after use. Do not puncture or incinerate container. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions.

| Chemical name | RCRA | RCRA - Basis for Listing | RCRA - D Series Wastes | RCRA - U Series Wastes |
|-----------------|------|--------------------------------|------------------------|------------------------|
| Acetone 67-64-1 | | Included in waste stream: F039 | | U002 |

| Chemical name | California Hazardous Waste Status |
|-----------------|-----------------------------------|
| Acetone 67-64-1 | Ignitable |

14. Transport Information

DOT

Limited quantity (LQ) Metal Cleaner .

FG 431-2644-2 HANDY-KLENZ STAINLESS STEEL CLEANER

UN/ID no UN1950
Proper Shipping Name Limited quantity (LQ)
Hazard Class 2.2
Marine pollutant This product does not contain ingredients listed as marine pollutants according to DOT.

15. Regulatory information

International Inventories

TSCA All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.
DSL All ingredients are listed or are excluded from listing on the DSL.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

US 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

| | |
|--|-----|
| Acute Health Hazard | yes |
| Chronic Health Hazard | No |
| Fire Hazard | yes |
| Sudden release of pressure hazard | No |
| Reactive Hazard | No |

CWA (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)

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical name | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ) |
|--------------------|--------------------------|----------------|--|
| Acetone 67-64-1 | 5000 lb | | RQ 5000 lb final RQ RQ 2270 kg final RQ |

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

| Chemical name | New Jersey | Massachusetts | Pennsylvania |
|----------------------------|------------|---------------|--------------|
| Acetone 67-64-1 | X | X | X |
| Carbon Dioxide 124-38-9 | X | X | X |

U.S. EPA Label information

EPA Pesticide registration number Not applicable

16. Other information

| | | | | |
|-------------|------------------|----------------|--------------------|---|
| <u>NFPA</u> | Health Hazards 2 | Flammability 4 | Instability 1 | Physical and chemical properties Not applicable |
| <u>HMIS</u> | Health Hazards 2 | Flammability 4 | Physical Hazards 1 | Personal Protection B |

Prepared by Regulatory Department
Issue date 01-Dec-2014
Revision note
This SDS supersedes a previous MSDS dated September 16, 2013.
Disclaimer

The information provided in this Material 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 Safety Data Sheet