Safety Data Sheet
TriAction

SDS Revision Date: **05/15/2015**

1. Identification

1.1. Product identifier

Product Identity	TriAction
Alternate Names	TriAction

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use	Laundry Detergent
Application Method	See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name	Gurtler Industries, Inc. 15475 South LaSalle St. South Holland, IL 60473 US
Emergency	
24 hour Emergency Telephone No.	(708) 331-2550
Customer Service: Gurtler Industries, Inc.	INFOTRAC - (800) 535-5053

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Ox. Sol. 2;H272	May intensify fire; oxidizer.
Skin Irrit. 2;H315	Causes skin irritation.
Eye Dam. 1;H318	Causes serious eye damage.
Skin Sens. 1;H317	May cause an allergic skin reaction.
Resp. Sens. 1;H334	May cause allergy or asthma symptoms of breathing difficulties if inhaled.

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.

Danger

H272 May intensify fire; oxidizer.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.
H334 May cause allergic or asthmatic symptoms or breathing difficulties if inhaled.

[Prevention]:

P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.
P220 Keep / Store away from clothing combustible materials.
P221 Take any precaution to avoid mixing with combustibles.
P261 Avoid breathing dust / fume / gas / mist / vapors / spray.
P264 Wash thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves / eye protection / face protection.
P285 In case of inadequate ventilation wear respiratory protection.

[Response]:

P302+352 IF ON SKIN: Wash with plenty of soap and water.
P304+341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P310 Immediately call a POISON CENTER or doctor / physician.
P313 Get medical advice / attention.
P321 Specific treatment (see information on this label).
P333+313 If skin irritation or a rash occurs: Get medical advice / attention.
P342+311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor / physician.
P362 Take off contaminated clothing and wash before reuse.
P363 Wash contaminated clothing before reuse.
P370+378 In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.

[Storage]:

No GHS storage statements

[Disposal]:

P501 Dispose of contents / container in accordance with local / national regulations.

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Sodium carbonate **CAS Number: 0000497-19-8**	**50 - 75**	**Eye Irrit. 2;H319**	**[1]**
Sodium percarbonate **CAS Number: 0015630-89-4**	**10 - 25**	**Acute Tox. 4;H302** **Eye Dam. 1;H318 (> 25%)** **Eye Irrit. 2;H319 (> 10%)** **Ox. Sol. 2;H272** **Eye Irrit. 2;H319**	**[1]**
Ethoxylated Alcohols **CAS Number: 0068131-39-5**	**10 - 25**	**Skin Irrit. 2;H315** **Eye Dam. 1;H318** **Aquatic Acute 1;H400**	**[1]**
pentasodium triphosphate **CAS Number: 0007758-29-4**	**10 - 25**	**Not Classified**	**[1]**
D-Limonene **CAS Number: 0005989-27-5**	**1.0 - 10**	**Flam. Liq. 3;H226** **Skin Irrit. 2;H315** **Skin Sens. 1;H317** **Aquatic Acute 1;H400** **Aquatic Chronic 1;H410**	**[1]**
Subtilisins (proteolytic enzymes) **CAS Number: 0009014-01-1**	**0.10 - 1.0**	**STOT SE 3;H335** **Skin Irrit. 2;H315** **Eye Dam. 1;H318** **Resp. Sens. 1;H334**	**[1][2]**

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.
[1] Substance classified with a health or environmental hazard.
[2] Substance with a workplace exposure limit.
[3] PBT-substance or vPvB-substance.
*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General In all cases of doubt, or when symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.

Inhalation Remove affected person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Eyes Flush with cool water. Remove contact lenses, if applicable, and continue flushing for at least 15 minutes. Obtain medical attention if irritation persists.

Skin Immediately flush with cool water for 15 minutes while removing contaminated clothing and shoes. Discard or wash well before reuse. Obtain medical advice immediately.

Ingestion Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Overview

CAUSES EYE BURNS. MAY CAUSE SKIN IRRITATION.
OXIDIZER. CONTACT WITH OTHER MATERIAL MAY CAUSE FIRE.
CONTAINS MATERIAL WHICH MAY CAUSE CANCER.
MAY CAUSE ALLERGIC RESPIRATORY REACTION.
MAY CAUSE ALLERGIC SKIN REACTION.
Corrosive to aluminum.

Routes of Exposure: Eye, Skin contact, Inhalation, Ingestion.

Inhalation: Inhalation of dusts may cause respiratory irritation.

Skin: May cause irritation. Contains a potential skin sensitizer.

Eyes: Causes chemical burns. May cause blindness.

Ingestion: Harmful if swallowed. May cause stomach distress, nausea or vomiting.

Target organs: Eyes. Respiratory system. Skin.
Chronic effects: Prolonged or repeated exposure can cause drying, defatting and dermatitis.
Signs and symptoms: Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

See section 2 for further details.

Inhalation May cause allergy or asthma symptoms of breathing difficulties if inhaled.

Eyes Causes serious eye damage.

Skin May cause an allergic skin reaction. Causes skin irritation.

5. Fire-fighting measures

5.1. Extinguishing media

Carbon dioxide, dry chemical, alcohol foam

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Oxides of carbon, sulfur, and phosphorus.
Keep away from heat / sparks / open flames / hot surfaces - No smoking.
Keep / Store away from clothing combustible materials.
Take any precaution to avoid mixing with combustibles.
Avoid breathing dust / fume / gas / mist / vapors / spray.

5.3. Advice for fire-fighters

Firefighters should wear full protective clothing including self contained breathing apparatus.

Container may explode in heat of fire.

ERG Guide No. 140

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Personal precautions: Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective space clothing. Keep people away from and upwind of spill/leak.

Environmental precautions: Do not discharge into lakes, streams, ponds or public waters.

Methods for containment: Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up: Before attempting clean up, refer to hazard data given above. Use broom or dry vacuum to collect material for proper disposal without raising dust. Rinse area with water. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.

7. Handling and storage

7.1. Precautions for safe handling

Use good industrial hygiene practices in handling this material. Keep from contact with clothing and other combustible materials. Keep container closed. Use only with adequate ventilation. Do not breathe dust from this material. Avoid prolonged or repeated skin contact with this material. Wash thoroughly after handling. Do not get in eyes, on skin or on clothing. Keep container tightly closed.

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Incompatible materials: Acids, wet storage, aluminum, caustics, and reducing agents.

Keep out of reach of children. Keep away from heat, open flames or other sources of ignition.

See section 2 for further details. - [Storage]:

7.3. Specific end use(s)

No data available.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0000497-19-8	Sodium carbonate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0005989-27-5	D-Limonene	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0007758-29-4	pentasodium triphosphate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0009014-01-1	Subtilisins (proteolytic enzymes)	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	ST 0.00006 mg/m3 [60-minute]
		Supplier	No Established Limit
0015630-89-4	Sodium percarbonate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0068131-39-5	Ethoxylated Alcohols	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

Carcinogen Data

CAS No.	Ingredient	Source	Value
0000497-19-8	Sodium carbonate	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0005989-27-5	D-Limonene	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;
0007758-29-4	pentasodium triphosphate	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

0009014-01-1	Subtilisins (proteolytic enzymes)	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0015630-89-4	Sodium percarbonate	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0068131-39-5	Ethoxylated Alcohols	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

8.2. Exposure controls

Respiratory Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

Eyes Chemical goggles/splash shield required.

Skin Wear rubber gloves.

Engineering Controls Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Other Work Practices Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

9. Physical and chemical properties

Appearance	White with Blue Specks Solid
Odor	Citrus
Odor threshold	Not Measured
pH	11 (1% solution)
Melting point / freezing point	Not Measured
Initial boiling point and boiling range	Not Measured
Flash Point	Not Measured
Evaporation rate (Ether = 1)	Not Measured
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	**Lower Explosive Limit:** Not Measured **Upper Explosive Limit:** Not Measured
Vapor pressure (Pa)	Not Measured
Vapor Density	Not Measured
Specific Gravity	Not Measured
Solubility in Water	Not Measured
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not Measured

Decomposition temperature Not Measured
Viscosity (cSt) Not Measured

9.2. Other information

No other relevant information.

10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

Strong Oxidizers

10.4. Conditions to avoid

Heat and contact with combustible materials.

10.5. Incompatible materials

Acids, wet storage, aluminum, caustics, reducing agents.

10.6. Hazardous decomposition products

Oxides of carbon, sulfur, and phosphorus.

11. Toxicological information

Acute toxicity

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Sodium carbonate - (497-19-8)	4,090.00, Rat - Category: 5	No data available	No data available	No data available	No data available
Sodium percarbonate - (15630-89-4)	1,034.00, Rat - Category: 4	No data available	No data available	No data available	No data available
Ethoxylated Alcohols - (68131-39-5)	No data available	No data available	No data available	No data available	No data available
pentasodium triphosphate - (7758-29-4)	3,120.00, Rat - Category: 5	No data available	No data available	No data available	No data available
D-Limonene - (5989-27-5)	4,400.00, Rat - Category: 5	5,000.00, Rabbit - Category: 5	No data available	No data available	No data available
Subtilisins (proteolytic enzymes) - (9014-01-1)	No data available	No data available	No data available	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	2	Causes skin irritation.
Serious eye damage/irritation	1	Causes serious eye damage.
Respiratory sensitization	1	May cause allergy or asthma symptoms of breathing difficulties if inhaled.
Skin sensitization	1	May cause an allergic skin reaction.
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

12. Ecological information

12.1. Toxicity

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and GHS and is not classified as dangerous for the environment, but contains substance(s) dangerous for the environment. See section 3 for details

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Sodium carbonate - (497-19-8)	300.00, Lepomis macrochirus	265.00, Daphnia magna	242.00 (72 hr), Freshwater Algae
Sodium percarbonate - (15630-89-4)	Not Available	Not Available	Not Available
Ethoxylated Alcohols - (68131-39-5)	Not Available	Not Available	Not Available
pentasodium triphosphate - (7758-29-4)	Not Available	Not Available	Not Available
D-Limonene - (5989-27-5)	0.702, Pimephales promelas	0.577, Daphnia magna	Not Available
Subtilisins (proteolytic enzymes) - (9014-01-1)	Not Available	Not Available	Not Available

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	UN1479	UN1479	UN1479
14.2. UN proper shipping name	UN1479, Oxidizing solid, n.o.s., (Sodium percarbonate), 5.1, III	Oxidizing solid, n.o.s., (Sodium percarbonate)	Oxidizing solid, n.o.s., (Sodium percarbonate)
14.3. Transport hazard class(es)	**DOT Hazard Class:** 5.1	**IMDG:** 5.1 **Sub Class:** Not Applicable	**Air Class:** 5.1
14.4. Packing group	II	II	II

14.5. Environmental hazards

IMDG Marine Pollutant: No

14.6. Special precautions for user

No further information

15. Regulatory information

Regulatory Overview	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.
Toxic Substance Control Act (TSCA)	All components of this material are either listed or exempt from listing on the TSCA Inventory.
WHMIS Classification	D2A E C
US EPA Tier II Hazards	**Fire:** No **Sudden Release of Pressure:** No **Reactive:** Yes **Immediate (Acute):** Yes **Delayed (Chronic):** No

EPCRA 311/312 Chemicals and RQs (lbs):

pentasodium triphosphate (5,000.00)

EPCRA 302 Extremely Hazardous:
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Carcinogens (>0.0%):

Titanium dioxide

Proposition 65 - Developmental Toxins (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

New Jersey RTK Substances (>1%) :
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Pennsylvania RTK Substances (>1%):

pentasodium triphosphate

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H226 Flammable liquid and vapor.

H272 May intensify fire; oxidizer.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H334 May cause allergic or asthmatic symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

SDS Revision Date: **05/15/2015**

This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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