

# **M3: How Sherwin Williams used Enablion to implement a Global multi-source product compliance solution**

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# Regulatory Objective

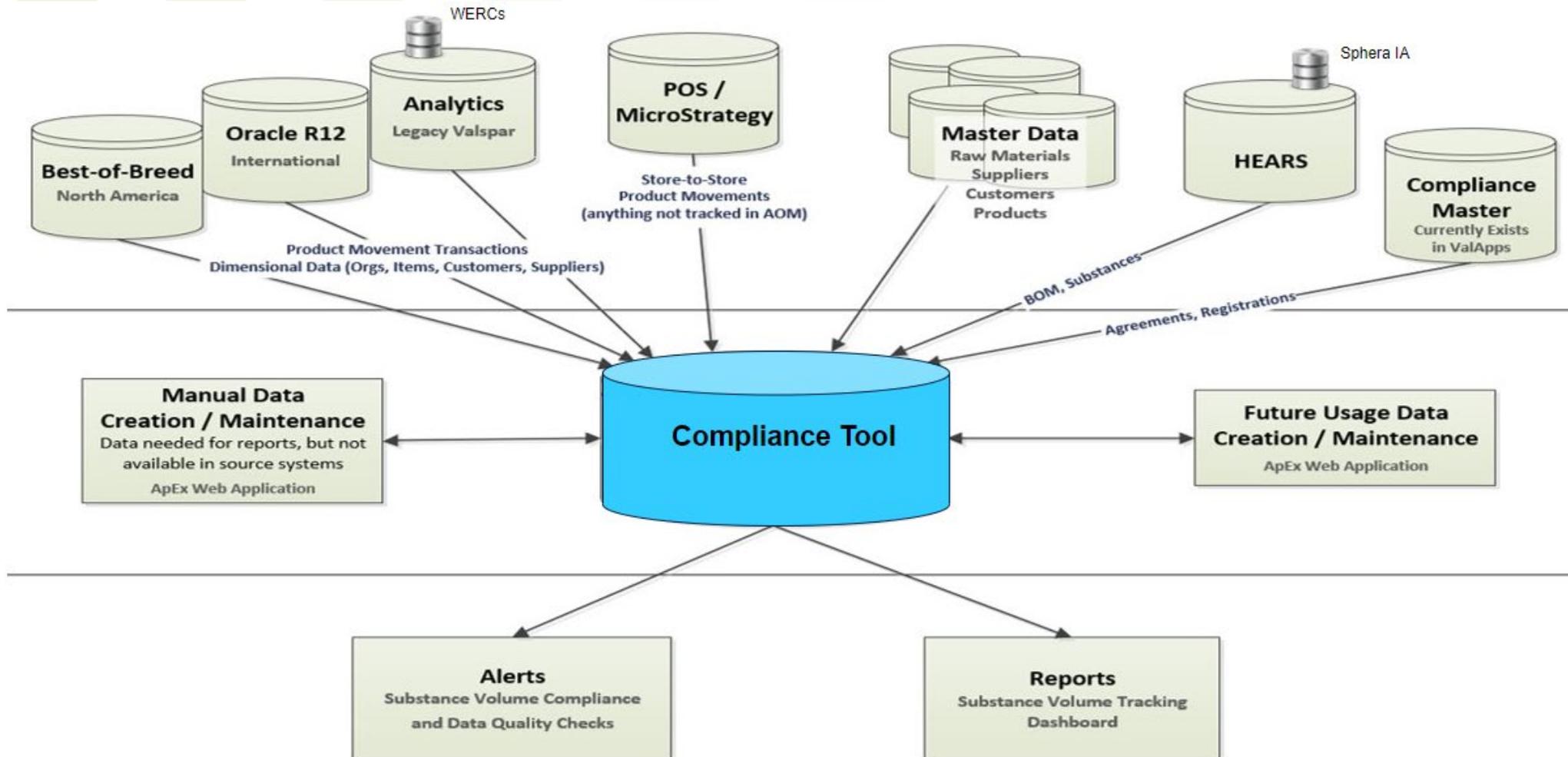
- Establish a Single source of Product Marketability Compliance
  - Develop a single source standardized tool for Substance/Volume Tracking (SVT) to facilitate global chemical compliance for SHW businesses.
- Fully integrated into the SHW Sales and logistics environment
  - Track regulated chemicals and quantities & proactively to manage compliance status
- Advanced Monitoring & Reporting
  - Facilitate compliant global business objectives across business groups

# Regulatory Processes

- Multiple in-compatible Regulatory processes and systems
  - Valspar – Compliance Master
  - Sherwin Williams – Home grown internal Oracle 11i solution
- Multiple Regulatory feeder systems
  - LOLI database
  - Sherwin Williams internal HEARS

Sherwin-Williams (SHW) objective for the Global Substance Volume Tracking (SVT) program was the development of a robust, enterprise class, single source, and standardized tool for providing SVT functionality to enable global chemical compliance for SHW businesses globally.

# Complex Sales & Logistics Env.

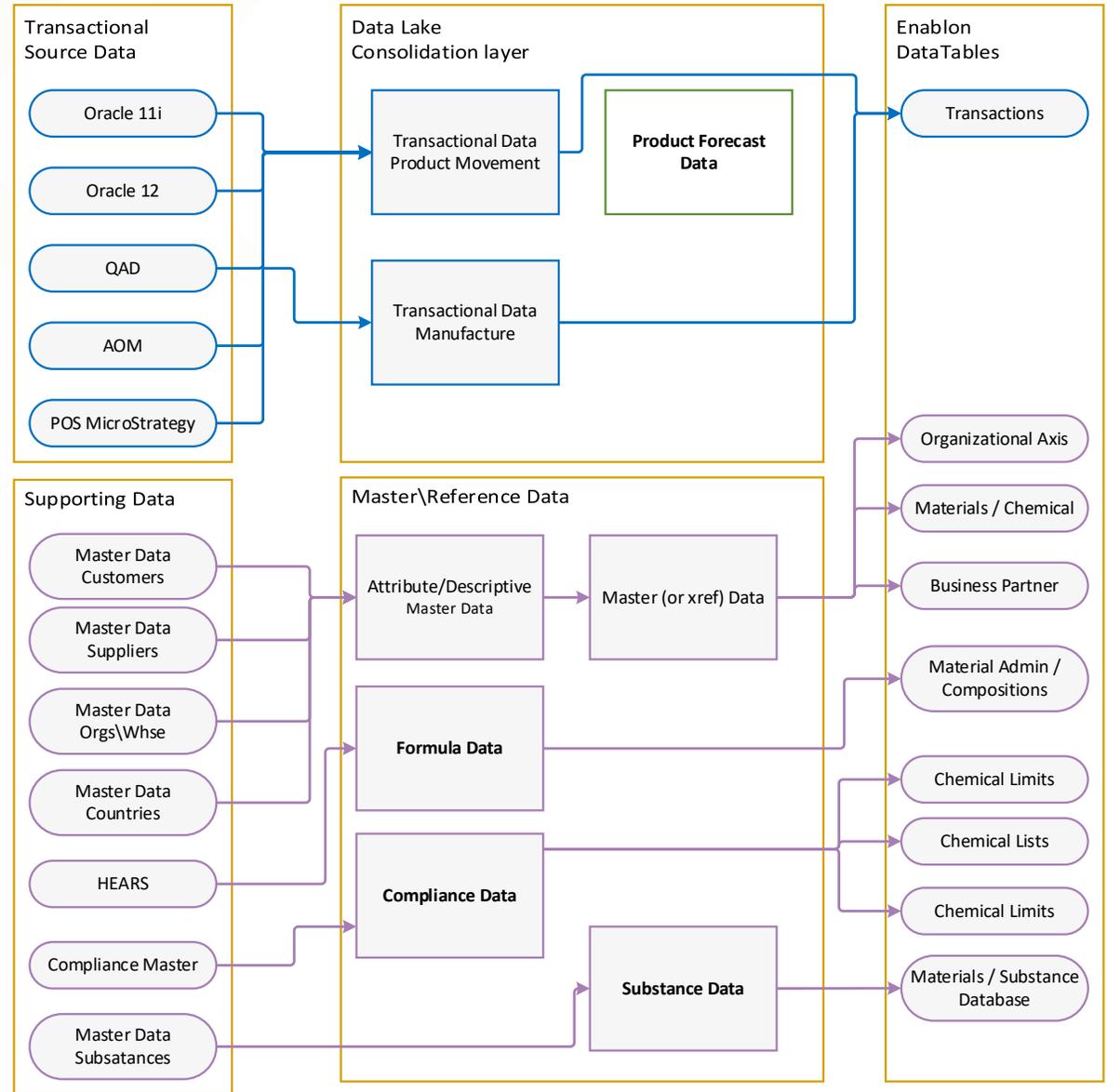
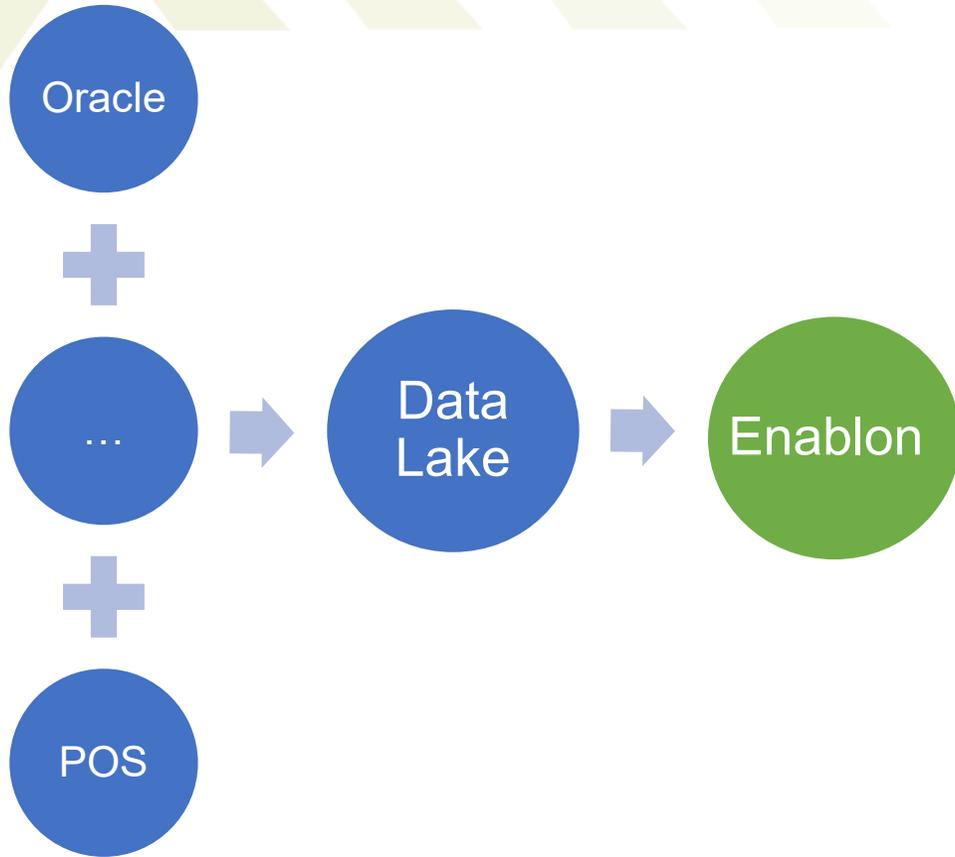


# The Sherwin Williams Challenge

- The Size of the data
  - >1.5 M formulations
  - > 725 K Business Partners
  - > 12.5 M Transactions
  - >45 k Tracked Substances
- The complexity of the formulations
  - Not your typical formulations of mainly RM and occasional Intermediates
- The Complexity of the Supply Chain
  - Multiple disparate point of sale
- The pace of Operations
  - Impact of change



# Data Lake



# Regulatory Requirements

Support >15 regulations that were then grouped in 3 categories

- List-based – Positive / Negative
  - Chemical inventory – Approved substances must be on a list
  - Chemical restrictions – Approved Substances must not be on a list
- Threshold-based – Below threshold approval
  - Chemical List – Approved Substances must be on List and < threshold
- Registration-based
  - Chemical and Manufacturer / Importer must have a coverage per Regulation
    - Registration
    - Supplier Coverage
    - Exemption



# Regulatory Requirements

## Transactional Requirements for List-based regulations

- Product decomposition – Substance based composition
  - Substance representation of Product
  - Raw Material Composition
- Tracking composition
  - Combination of Substances and Raw Materials that needs to be monitored for compliance determination
    - Substances
    - Raw materials covered by suppliers
- Restrictions – Substances restricted per the regulation

**Calculate collective positive status per product or flag transaction for regulatory review**

# Regulatory Requirements

Transactional Requirements for threshold-based regulations

- Product decomposition – Substance based composition
  - Substance representation of Product
  - Raw Material Composition
- Tracking composition
  - Combination of Substances and Raw Materials that needs to be monitored for compliance determination
    - Substances
    - Raw materials covered by suppliers
- Record annual volume for the transacted substance per Regulatory Zone

**Calculate collective positive status per product and track global volume to remain below the listed threshold or flag transaction for regulatory review**

# Regulatory Requirements

Transactional Requirements for registration-based regulations

- Product decomposition – Substance based composition
  - Substance representation of Product
  - Raw Material Composition
- Tracking composition
  - Combination of Substances and Raw Materials that needs to be monitored for compliance determination
    - Substances
    - Raw materials covered by suppliers
- Registrations per Manufacturer / Importer
  - Company Registrations
  - Supplier Provided Coverage

**Calculate collective positive status per product and track global volume to remain below the listed threshold or flag transaction for regulatory review**

# Regulatory Requirements

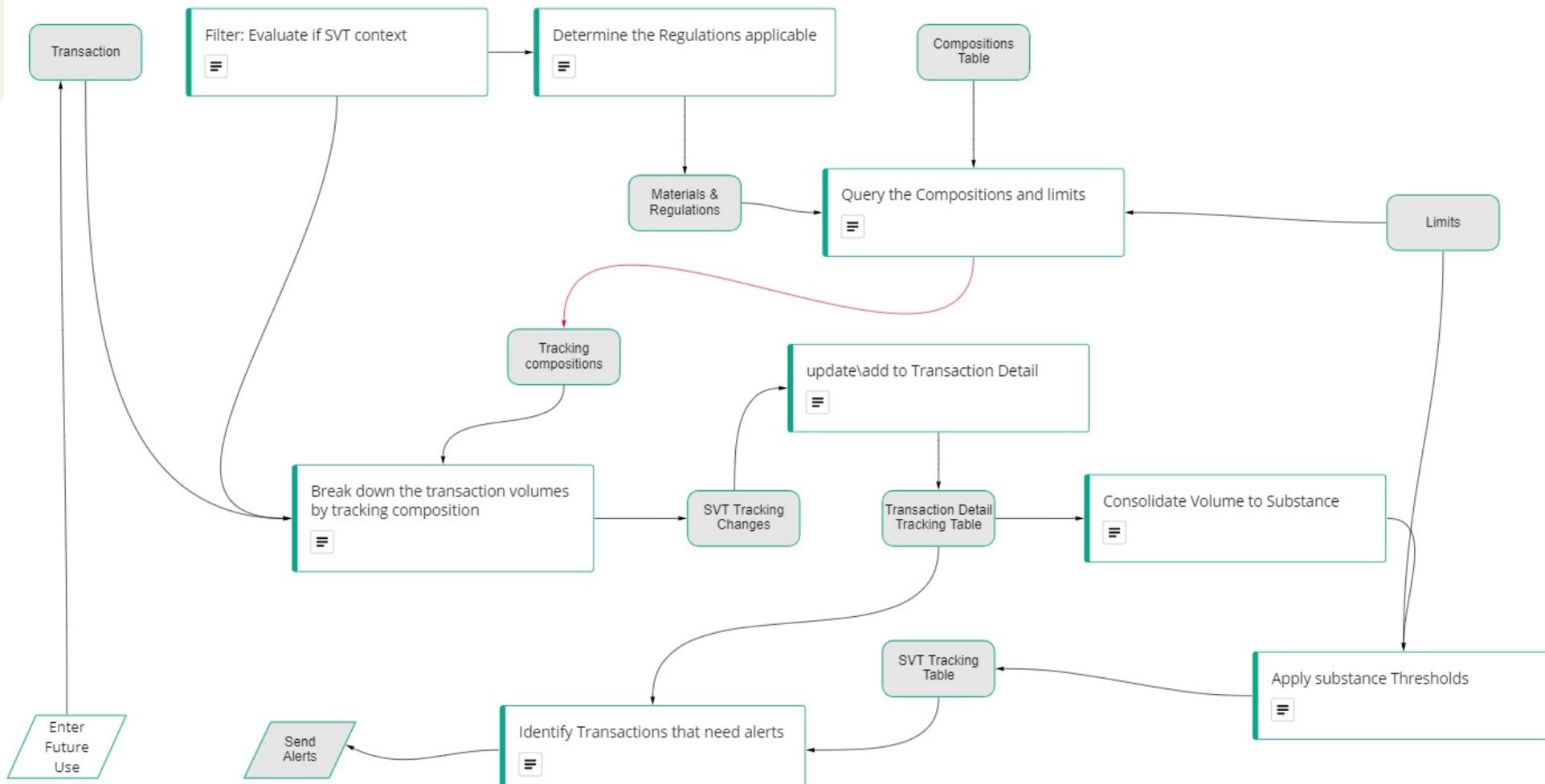
## Future Business Allocation / Reservation

- Must have the ability to reserve projected volume
  - Manage forecast \ reservation centrally at product level
  - Automatically allocate to substance
  - Reflect impact on YTD volume
- Incorporate with reporting
- Incorporate with Warnings and Alerts
- Provide a realtime impact assessment

# Data Synchronization

1. Automated data refresh
  - Collect and rationalize and transform the various source system in the Data Lake
2. Update Compositions
  - Update the relevant compositions based on formulation changes
3. Update transactions
  - Update changed transactions and import new transactions
4. Composition synchronization
  - Identify all the new changed Products, Raw materials, Intermediates and Substances
  - Update the connected materials (where used)
  - Recalculate the Tracking compositions
5. Regulation update
  - Identify Substances and Raw materials impacted by regulatory update
  - Update the connected materials (where used)
  - Recalculate the Tracking compositions
6. Recalculate the tracking compositions
  - Apply the updates to the tracking composition to allow accurate alerts, warnings and reporting

# Data Synchronization



# Materials – Search


**CHEMICALS/PRODUCTS**



 Import

 Search

<input type="checkbox"/>		MATERIAL NO.	MATERIAL NAME ^	CAS NUMBER	MATERIAL TYPE	CORPORATE STATUS	REVISED DATE	IDENTIFICATION - MASTERREX
<input type="checkbox"/>	  	BLACK VOC AT THE GUN	AMERICAN MFG BLACK VOC CALCULATION AT TH...			Active	31-Jan-2019	
<input type="checkbox"/>	  	BLACK 174468	BLACK 174468			Active	14-Oct-2021	
<input type="checkbox"/>	  	BLACK 177748	BLACK 177748			Active	22-Oct-2021	
<input type="checkbox"/>	  	BLACK 178421	BLACK 178421			Active	24-Nov-2021	
<input type="checkbox"/>	  	BLACK 178424	BLACK 178424			Active	08-Oct-2021	
<input type="checkbox"/>	  	BLACK 182946	BLACK 182946			Active	22-Oct-2021	
<input type="checkbox"/>	  	BLACK 185913	BLACK 185913			Active	24-Nov-2021	
<input type="checkbox"/>	  	BLACK 188201	BLACK 188201			Active	25-Feb-2022	
<input type="checkbox"/>	  	BLACK DOOSAN	BLACK DOOSAN			Active	09-Sep-2019	

# Materials – Header Data

BLACK 178424 > BLACK 178424 ⚙️ ★ 🖨️ 🔗 Export 📥 Import 🔗

CAS Number  
 Material Type 🔗 Formula  
 Corporate Status Active

## IDENTIFICATION

Revised Date 08-Oct-2021  
 Material Source  
 Masterrex  
 Brand Code  
 Brand Description  
 Covered by supplier No

## PRODUCT MONITORING



## COMPOSITION/INFORMATION ON INGREDIENTS

Composition  
 CRYLCOAT 2494-6 POLYESTER RESIN > 401426  
 DT-3329-1 MATTING AGENT > 454667  
 PORTAFILL A40 > 605045  
 RAVEN 1255 BEADS > 704643  
 RESIFLOW P-67 ACRYLIC RESIN SILICA > 495067  
 SILICA GEL, OK 412 > 601041  
 TEPIC G NIUTANG TGIC > 112143

## SUBSTANCE COMPOSITION

Name	Reference	CAS Number	Type	Mat. Type	Weight %	Path
TEPIC G NIUTANG TGIC	<a href="#">112143</a>		% Weight	Raw Material		112143 ...
CRYLCOAT 2494-6 POLYESTER RESIN	<a href="#">401426</a>		% Weight	Raw Material		401426 ...
DT-3329-1 MATTING AGENT	<a href="#">454667</a>		% Weight	Raw Material		454667 ...
RESIFLOW P-67 ACRYLIC RESIN SILICA	<a href="#">495067</a>		% Weight	Raw Material		495067 ...
SILICA GEL, OK 412	<a href="#">601041</a>		% Weight	Raw Material		601041 ...
PORTAFILL A40	<a href="#">605045</a>		% Weight	Raw Material		605045 ...
RAVEN 1255 BEADS	<a href="#">704643</a>		% Weight	Raw Material		704643 ...

# Materials – Compliance Map

Main Properties | **Compliance Map** | Tracking Composition

COMPLIANCE MAP

Synchronize Material | Export to CSV (semi-colon) | Export to CSV (comma)

Material ID	Material Name	CAS Number	Direct Pct.	Relative Pct.
TOP - BLACK 178424	black 178424		100%	100%
1 - 112143	tepic g niutang tgic		4.2%	4.2%
2 - 490524	1,3,5 triglycidyl isocyanurate	(CAS: 2451-62-9)	100%	4.2%
1 - 495067	resiflow p-67 acrylic resin silica		0.8%	0.8%
2 - 474000	acrylic resin solids		68%	0.544%
2 - 601200	hydrated silica gel	(CAS: 112926-00-8)	32%	0.256%
1 - 454667	dt-3329-1 matting agent		2.5%	2.5%
2 - 026600	paraffin wax refined mp 133-35	(CAS: 8002-74-2)	85.038%	2.12595%
2 - 247350	2(3h)-benzothiazolethione	(CAS: 149-30-4)	1.6747%	0.0418675%
2 - 247370	2(3h)-benzothiazolethione, zn salt	(CAS: 155-04-4)	10.2873%	0.2571825%
2 - 601000	amorphous silica	(CAS: 7631-86-9)	3%	0.075%

# Materials – Supplier Coverage

2 - 027000	 emulsified wax					Direct Pct.	20%	Relative Pct.	0.115/632%
2 - 031710	 toluene			(CAS: 108-88-3)		Direct Pct.	0.091%	Relative Pct.	0.00052672%
2 - 032211	 ethylbenzene 100 pct			(CAS: 100-41-4)		Direct Pct.	9%	Relative Pct.	0.05209344%
2 - 032300	 xylene mixed isomers			(CAS: 1330-20-7)		Direct Pct.	55.159%	Relative Pct.	0.31926912%
2 - 033100	 isopropyl benzene (cumene) 100 pct			(CAS: 98-82-8)		Direct Pct.	0.75%	Relative Pct.	0.00434112%
1 - 091633	 24% zirconium drier					Direct Pct.	0.072348%	Relative Pct.	0.072348%
2 - 014000005	 naphtha hydrotreated heavy low bp			(CAS: 64742-48-9)		Direct Pct.	20%	Relative Pct.	0.0144696%
2 - 032211	 ethylbenzene 100 pct			(CAS: 100-41-4)		Direct Pct.	0.2%	Relative Pct.	0.0001447%
2 - 035100	 naphthalene			(CAS: 91-20-3)		Direct Pct.	0.2%	Relative Pct.	0.0001447%
2 - 043310	 2butoxyethoxyethanol butcarbtl			(CAS: 112-34-5)		Direct Pct.	3%	Relative Pct.	0.00217044%

MATERIAL	REGULATION	SUPPLIER	QUANTITY (KG)	NOTES	LIMITS	STATUS	DOCUMENTS
<a href="#">2BUTOXYETHOXYETHANOL BUTCARBTL &gt; 043310</a>	EU.REACH	DOW	240,000		<a href="#">REACH - Only Representative: 043310</a>	EU.REACH > REACH - Only Representative	

Supplier coverage

# Materials – Supplier coverage

☰ SUPPLIER COVERAGE +

The section is empty

	Regulation*	Supplier	Quantity (kg)	Notes	Limits	Status	Documents
	EU.REACH	DOW	240,000		REACH - Only Representative: 043310	EU.REACH > REACH - Only Representative	
			-				

☰ COMPOSITION/INFORMATION ON INGREDIENTS

Composition:

☰ SUBSTANCE COMPOSITION

The section is empty

# Materials – Tracking & Compliance

Main Properties | Compliance Map | **Tracking Composition**

TRACKING COMPOSITION VIEW

Regulation:

PARENT CHEMICAL NAME	PARENT CHEMICAL CODE	MAT. TYPE	COMPONENT CHEMICAL NAME	COMPONENT CHEMICAL CODE
<a href="#">ENGINE ENAMEL (FORD BLUE)</a>	Z31L00500		<a href="#">SUSPENSO 201X</a>	026411
<a href="#">ENGINE ENAMEL (FORD BLUE)</a>	Z31L00500		<a href="#">NAPHTHA HYDROTREATED HEAVY LOW BP</a>	014000005
<a href="#">ENGINE ENAMEL (FORD BLUE)</a>	Z31L00500		<a href="#">ETHYLBENZENE 100 PCT</a>	032211
<a href="#">ENGINE ENAMEL (FORD BLUE)</a>	Z31L00500		<a href="#">NAPHTHALENE</a>	035100
<a href="#">ENGINE ENAMEL (FORD BLUE)</a>	Z31L00500		<a href="#">2BUTOXYETHOXYETHANOL BUTCARBTL</a>	043310
<a href="#">ENGINE ENAMEL (FORD BLUE)</a>	Z31L00500		<a href="#">ZIRCONIUM 2-ETHYLHEXANOATE</a>	091600
<a href="#">ENGINE ENAMEL (FORD BLUE)</a>	Z31L00500		<a href="#">LECITHIN, SOYA</a>	196011

**IDENTIFICATION**

Parent Chemical: [ENGINE ENAMEL \(FORD BLUE\) > Z31L00500](#)

Corporate Status: Active

Material Type:

Component: [2BUTOXYETHOXYETHANOL BUTCARBTL > 043310](#)

Component CAS: 112-34-5

Percent: 0.0022

Regulation: [EU.REACH](#)

Annual Supplier Coverage (kg): 240,000

Linked Override: No Linked Override found, select an override here to create one

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**STATUS (INVENTORY)**

Status: [EU.REACH > REACH - Only Representative](#) Field Used: Limit

Override:  Override Notes:

Limit: [EU.REACH > REACH - Only Representative](#)

LOLI:

Raw Material:  Linked Raw Material:

Default: [EU.REACH > Unknown](#)

Link to Limit: [REACH - Only Representative: 043310](#)

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**STATUS (RESTRICTED)**

Status: [EU.REACH > Reg. Review](#) Field Used: Limit

Override:  Override Notes:

Limit: [EU.REACH > Reg. Review](#)

LOLI: [EU.REACH > Restricted.2459](#)

Raw Material:  Linked Raw Material:

Default:

Link to Limit: [Reg. Review: 043310](#)

# Transactions

		PRODUCT NAME	PRODUCT CODE	TRANSACTION TYPE	TRANSACTION STATUS	TRANSACTION DATE	ORDER DATE	INVOICE		
		(FORD BLUE)					2021			
<input type="checkbox"/>				ENGINE ENAMEL (FORD BLUE)	Z31L00500	Standard order	Standard invoiced and ready	25-Nov-2020	25-Nov-2020	9331615
<input type="checkbox"/>				ENGINE ENAMEL (FORD BLUE)	Z31L00500	Standard order	Standard invoiced and ready	21-Jun-2021	21-Jun-2021	9348624
<input type="checkbox"/>				ENGINE ENAMEL (FORD BLUE)	Z31L00500	Standard order	Standard invoiced and ready	05-Jun-2020	05-Jun-2020	9331358
<input type="checkbox"/>				ENGINE ENAMEL (FORD BLUE)	Z31L00500	Standard order	Standard invoiced and ready	12-Aug-2020	12-Aug-2020	9331074
<input type="checkbox"/>				ENGINE ENAMEL (FORD BLUE)	Z31L00500	Standard order	Standard invoiced and ready	16-Oct-2020	16-Oct-2020	9338409
<input type="checkbox"/>				ENGINE ENAMEL (FORD BLUE)	Z31L00500	Standard order	Standard invoiced and ready	01-Dec-2020	01-Dec-2020	9341901
<input type="checkbox"/>				ENGINE ENAMEL (FORD BLUE)	Z31L00500	Standard order	Standard invoiced and ready	17-Feb-2021	17-Feb-2021	9353335
<input type="checkbox"/>				ENGINE ENAMEL (FORD BLUE)	Z31L00500	Standard order	Manually Voided	02-Aug-2021	02-Aug-2021	
<input type="checkbox"/>				ENGINE ENAMEL (FORD BLUE)	Z31L00500	Standard order	Standard invoiced and ready	26-Feb-2021	26-Feb-2021	9350921
<input type="checkbox"/>				ENGINE ENAMEL (FORD BLUE)	Z31L00500	Standard order	Not reserved	02-Aug-2021	02-Aug-2021	

**SVT**

Tracking Entity	<b>SHW.AU.XX.CUS - Sherwin-Williams Sales to Australia</b>
Regulation	AU.AICS
Processing Status	<b>Relevant</b>
Using Final Destination ?	
Ship From	<u>EFFINGHAM, IL DSC</u>
Ship From Second Axis Entity	<u>SHW.US</u>
Ship From Second Axis Type	<u>INTERNAL</u>
Ship From Country (Geo Link)	
Ship To	<u>MMP INDUSTRIAL</u>
Ship To Second Axis Entity	<u>SHW.AU</u>
Ship To Second Axis Type	<u>EXTERNAL</u>
Ship To Reporting Entity	EXTERNAL
Future Transaction	
Ship To Second Axis Entity (Fi	
Ship To Second Axis Type (Fina	

**SHIPPING ADDRESSES**

Ship From Name	THE SHERWIN WILLIAMS CO. 11
Ship From Addr 1	711 WEST WABASH
Ship From Addr 2	BUILDING A
Ship From City	EFFINGHAM
Ship From State	IL
Ship From Zip	62401
Ship From Country	USA
Final Dest Name	MMP INDUSTRIAL
Final Dest Addr 1	
Final Dest Addr 2	
Final Dest City	MULGRAVE NSW
Final Dest State	
Final Dest Zip	2756

# Transactions – Forecast

		TRANSACTION REFERENCE	TRANSACTION DATE	MATERIAL	PROJECTED VOLUME	VOLUME UNIT	TRACKING ENTITY
<input type="checkbox"/>		990000001	01-Feb-2022	<a href="#">119-24 CRYSTAL CLEAR &gt; Z03100070</a>	1,500 kg (Remaining: 800 kg, # of Transactions: 1, Planned: 0 kg, Confirmed: 700 kg)	kg	<b>SHW.EU.US.INT - Shewin-Williams from US Intercompany to EU</b>
<input type="checkbox"/>		990000002	20-May-2022	<a href="#">MIL-DTL-24441D T4 F150 GREEN P &gt; N10G00450</a>	1,497 kg (Remaining: 1,497 kg, # of Transactions: 0, Planned: 0 kg, Confirmed: 0 kg)	kg	<b>SHW.EU.US.INT - Shewin-Williams from US Intercompany to EU</b>
<input type="checkbox"/>		990000003	20-May-2022	<a href="#">MIL-DTL-24441D T4 F150 PART B &gt; N10V00450</a>	1,498 kg (Remaining: 1,498 kg, # of Transactions: 0, Planned: 0 kg, Confirmed: 0 kg)	kg	<b>SHW.EU.US.INT - Shewin-Williams from US Intercompany to EU</b>
<input type="checkbox"/>		990000004	20-May-2022	<a href="#">MIL-DTL-24441D TY4 F-152, WHIT &gt; N10WB0452</a>	2,924 kg (Remaining: 2,924 kg, # of Transactions: 0, Planned: 0 kg, Confirmed: 0 kg)	kg	<b>SHW.EU.US.INT - Shewin-Williams from US Intercompany to EU</b>
<input type="checkbox"/>		990000005	20-May-2022	<a href="#">MIL-DTL-24441D T4 F151 HARD. &gt; N10V00451</a>	2,814 kg (Remaining: 2,814 kg, # of Transactions: 0, Planned: 0 kg, Confirmed: 0 kg)	kg	<b>SHW.EU.US.INT - Shewin-Williams from US Intercompany to EU</b>

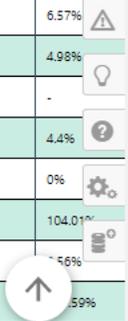
RECORD INFO	
Transaction Reference	990000003
Status	New
Transaction Date	20-May-2022
Material	<a href="#">MIL-DTL-24441D T4 F150 PART B &gt; N10V00450</a>
IDENTIFICATION	
Projected Volume	1,498 kg (Remaining: 1,498 kg, # of Transactions: 0, Planned: 0 kg, Confirmed: 0 kg)
Volume Unit	kg
SVT	
Tracking Entity	<b>SHW.EU.US.INT - Shewin-Williams from US Intercompany to EU</b>
Tracking Entity Regulation	EU.REACH
Processing Status	<b>Relevant</b>
Ship From Entity	<a href="#">SHW.US</a>
Ship From Type	<a href="#">INTERNAL</a>
Ship To Entity	<a href="#">SHW.EU</a>
Ship To Type	<a href="#">INTERNAL</a>
BUSINESS INFORMATION	
Business Contact	Mallery Navis
Business Notes	
Documents	

# Reports Material Coverage

Regulation: EU.REACH  
Reporting Period: 01/01/2022 to 31/12/2022

Component Name	Component No.	Component CAS No.	Tracking Entity	Ship From Entity	Regulatory Status (Inventory)	Regulatory Status (Restricted)	Material Type	Σ Projected Qty [kg]	Σ Planned Qty [kg]	Σ Confirmed Qty [kg]	YTD Usage Qty [kg]	Substance Comp. Qty [kg]	YTD % Usage
SOLSPERSE 5000 5000S	244805		SHW.EU.US	SHW.US	EU.REACH > REACH - Only Representative		Raw Material	0	51.35	2.39	53.74	5,000	1.07%
METHYL ACETATE HP	120113	79-20-9	SHW.EU.US	SHW.US	EU.REACH > REACH - Registration	EU.REACH > Restricted.2459	Raw Material	0	13.39	226.53	239.91	10,000	2.4%
ALUMINUM HYDROXIDE	605000001	21645-51-2	SHW.EU.US	SHW.US	EU.REACH > Unknown		Substance	0	848.91	595.6	1,444.51	0	1,544.51%
ALUMINUM HYDROXIDE	605000001	21645-51-2	SHW.EU.US	SHW.US	EU.REACH > Unknown	EU.REACH > Reg. Review	Substance	6.57	30.81	313	350.39	Unlimited	-
EMULSIFIED WAX	027000		SHW.EU.US	SHW.US	EU.REACH > Unknown		Substance	0	0.28	7.52	7.8	0	107.8%
ZIRCONIUM 2-ETHYLHEXANOATE	091600	22464-99-9	SHW.EU.US	SHW.US	EU.REACH > Unknown		Substance	0	0.42	1.26	1.68	0	101.68%
ZIRCONIUM 2-ETHYLHEXANOATE	091600	22464-99-9	SHW.EU.US	SHW.US	EU.REACH > Unknown	EU.REACH > Reg. Review	Substance	0	4.07	11.99	16.06	Unlimited	-
MINERAL SPIRITS	014510	64742-47-8	SHW.EU.US	SHW.US	EU.REACH > Unknown	EU.REACH > Reg. Review	Raw Material	0	835.23	1,233.18	2,068.41	Unlimited	-
ISOBUTYL ACETATE 100%	122410	110-19-0	SHW.EU.US	SHW.US	EU.REACH > Unknown		Substance	0	0	1.3	1.3	0	101.3%
ISOBUTYL ACETATE 100%	122410	110-19-0	SHW.EU.US	SHW.US	EU.REACH > Unknown	EU.REACH > Reg. Review	Substance	0	2.96	453.9	456.87	Unlimited	-
FATTY ACID, C14-C18 & C16-C18 UNSAT	068000002	85711-47-3	SHW.EU.US	SHW.US	EU.REACH > Unknown		Substance	0	0.03	0.05	0.09	0	100.09%
PG MONOMETHYL ETHER ACETATE	123000001	108-65-6	SHW.EU.US	SHW.US	EU.REACH > REACH - Registration		Substance	1.69	0.01	1.62	3.32	100,000	0%
PG MONOMETHYL ETHER ACETATE	123000001	108-65-6	SHW.EU.US	SHW.US	EU.REACH > REACH - Registration	EU.REACH > Reg. Review	Substance	0	5,675.94	895.81	6,571.76	100,000	6.57%
TITANIUM DIOXIDE SOLIDS	660000	13463-67-7	SHW.EU.US	SHW.US	EU.REACH > REACH - Registration	EU.REACH > Restricted.2459	Substance	118.29	19,510.71	30,150.97	49,779.98	1,000,000	4.98%
METHYL ETHYL KETOXIME	195010	96-29-7	SHW.EU.US	SHW.US	EU.REACH > Unknown	EU.REACH > Reg. Review	Raw Material	1.42	6.44	18.88	26.74	Unlimited	-
SETYRENE 13-3513	363224		SHW.EU.US	SHW.US	EU.REACH > REACH - Only Representative		Raw Material	116.7	1.13	102.11	219.94	5,000	4.4%
C.I. PIGMENT BLUE 15:2	771000001	12239-87-1	SHW.EU.US	SHW.US	EU.REACH > Unknown		Substance	0	0	0	0	0	0%
PHTHALOCYANINE BLUE	771000003	68987-63-3	SHW.EU.US	SHW.US	EU.REACH > Unknown		Substance	0	0	4.01	4.01	0	104.01%
N-BUTYL ACETATE	122330	123-86-4	SHW.EU.US	SHW.US	EU.REACH > REACH - Registration	EU.REACH > Reg. Review	Raw Material	1.55	3,688.14	1,910.4	5,600.09	1,000,000	56%
POLYURETHANE FOR R360344	490600011		SHW.EU.US	SHW.US	EU.REACH > Unknown		Substance	0	5.9	1.69	7.59	0	59%
			SHW.EU.US	SHW.US	EU.REACH > Unknown		Substance	3.17	93.64	54.13	150.94	0	250.94%

Cancel Refresh Save Save as ... Clear



# Reports – Supplier Coverage

OR Name	Requesting BU	Limit Type	Valid From Year	Reg. Number	Compliance Type	Compliance Source Country	Compliance Route	Unique Iden. #	Auth. Certificate #	Planned Qty [kg]	Confirmed Qty [kg]	YTD Usage Qty [kg]	Supplier Coverage Qty [kg]	Total Supplier Qty [kg]	Usage %	Regulatory status
Chemservice	Coil	Only Representative	2021		Indirect 3rd party agreement	United States of America	OR Coverage			11.4185	13.6589	25.0774	20,000	20,000	0.13%	EU.REACH > REACH - Only Representative
Chemservice	GI, FOOD, 2PC, BEV End, GP	Only Representative	2021		Indirect 3rd party agreement	United States of America	OR Coverage			10.3194	550.5973	560.9167	12,500	12,500	4.49%	EU.REACH > REACH - Only Representative
Chemservice	PACKAGING	Only Representative	2021		Indirect 3rd party agreement	United States of America	Downstream User			0.012	0.0068	0.0189	240,000	240,000	0%	EU.REACH > REACH - Only Representative
Chemservice	GP, Food, T &M	Only Representative	2021		Indirect 3rd party agreement	United States of America	OR Coverage			7.4484	39.3124	46.7607	240,000	240,000	0.02%	EU.REACH > REACH - Only Representative
Chemservice	GP, GI, Bev End, Food	Only Representative	2021		Indirect 3rd party agreement	United States of America	OR Coverage			82.9669	1,707.3711	1,790.338	52,000	52,000	3.44%	EU.REACH > REACH - Only Representative
Chemservice		Only Representative	2021		Indirect 3rd party agreement	United States of America	OR Coverage			672.6285	2,077.3655	2,749.994	2,500	2,500	110%	EU.REACH > REACH - Only Representative
Chemservice	Bev End	Only Representative	2021		Indirect 3rd party agreement	United States of America	OR Coverage			0	0	0	2,000	2,000	0%	EU.REACH > REACH - Only Representative
Chemservice	2 PC, Bev End, Food	Only Representative	2021		Indirect 3rd party agreement	United States of America	OR Coverage			0.0004	0.0062	0.0066	4,000	4,000	0%	EU.REACH > REACH - Only Representative
Chemservice	2PC, Bev End, In House Resin	Only Representative	2021		Indirect 3rd party agreement	United States of America	OR Coverage			0.0064	0.0212	0.0276	150,000	150,000	0%	EU.REACH > REACH - Only Representative
Chemservice	Automotive	Only Representative	2021		Indirect 3rd party agreement	United States of America	OR Coverage			0	0.0069	0.0069	1,100	1,100	0%	EU.REACH > REACH - Only Representative
Chemservice	Consumer, EPS, 2PC	Only Representative	2021		Indirect 3rd party agreement	United States of America	OR Coverage			0	0.1948	0.1948	702,000	702,000	0%	EU.REACH > REACH - Only Representative
Chemservice		Only Representative	2021		Indirect 3rd party agreement	United States of America	OR Coverage			0.0028	0.0162	0.0189	2,000	2,000	0%	EU.REACH > REACH - Only Representative
Chemservice	EPS, Coil	Only	2021		Indirect 3rd	United	OR									

**This was a snapshot  
If you want to see more Stop by**



# Questions





# Thank you

Steve Smith

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